ENQUIRY DOCUMENT - MR

(Document No : B933-000-XR-MR-0510-176-RFQ)

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REQUEST FOR QUOTATION (RFQ)

Date:25-04-2026

To, **Whomsoever it is concerned**	Project: Bina Petchem and Refinery Expansion Project (BPREP) EIL's RFQ No.: **SPN/ B933-000-XR-MR-0510/176** Item : **LIGHTING FIXTURE & ACCESSORIES-HAZARDOUS,JUNCTION . BOXES (FLAME PROOF),LIGHTING & POWER PANELS (FLP) . . ,PLUGS/SOCKETS/HANDLAMPS (FLAME PROOF) . . ,FLAME PROOF POWER DISTRIBUTION BOARD, . . CONTROL STATIONS-FLAME PROOF** **Tender ID: 2026_EIL_906510**

INTRODUCTION:

M/s Bharat Petroleum Corporation Ltd. ("BPCL") is a Central Public Sector Undertaking of Government of India with a "Maharatna" status. BPCL is an integrated oil company engaged in refining of crude oil and marketing of petroleum products. BPCL operates 3 refineries in India including Mumbai Refinery (12 MMTPA), Kochi Refinery (15.5 MMPTA), and the Bina Refinery (7.8 MMTPA).

BPCL has embarked on Petrochemical Diversification Plan and is in the process of setting up world scale Ethylene Cracker facilities and associated downstream petrochemical units at Bina along with expansion of Bina Refinery, hereinafter referred as "Bina Petchem and Refinery Expansion Project" (BPREP) or the "Project". BPCL intends to increase the refining capacity of Bina Refinery from 7.8 MMPTA to about 11 MMTPA as a part of the Project.

Gentlemen,

1. E-bids are requested under Single stage single bid system (Composite bid) from limited bidding for the captioned item in total compliance to technical specifications, scope and terms & conditions of enquiry documents/attachments. Your offer must be complete in all respect and must contain confirmation/compliance to all points of enclosed commercial Agreed Terms & Conditions without any deviations. Please note that issuance of technical and commercial queries is not envisaged and your offer will be evaluated based on input given therein. Hence pre-bid clarifications, if required may be sought from us immediately on receipt of this RFQ.
2. Bidder can download the RFQ from E-Tendering/ E- procurement website https://eprocure.gov.in/eprocure/app . Bidders have to submit their bids only through e-tendering website. **No hard copy of the RFQ shall be issued. Bidders to note that any corrigendum/addendum shall be published only on site** https://eprocure.gov.in/eprocure/app.
3. Bidders are required to upload the bids (complete in all respects) along with all supporting documents & priced part on the e-tendering website on or before the **BID SUBMISSION DATE & TIME** specified in RFQ. **Physical Bids sent through Fax/Email/Courier/Post will not be accepted.**
4. E-tendering methodology :
   a) E-tendering *Portal mandates that the bidders are to be registered on the portal. Bidders shall submit their bids through* e-tendering (*https://eprocure.gov.in/eprocure/app) only.*

b) *All those vendors who have still not registered on the* e-tendering *Portal are required to register on the same for facilitating uploading of their bids on the* e-tendering *Portal failing which it will not be possible for them to upload their bids. Pursuant to registration, the vendors are required to inform regarding* e-tendering portal *registration details.*

Only e-tendering *portal registered vendors can upload their bids on the portal. Therefore, all those bidders who have not complied with the above registration requirements will not be eligible to bid. Request for extension in due date of submission of bids due to non-registration or delayed registration in* e-tendering *portal shall not be entertained.*

c) *The bid has to be necessarily submitted on the* e-tendering *Portal only. Inability of the bidders to upload their bids on account of not completing the registration with* e-tendering *portal as mentioned above will not be a reason for seeking BDD extension.*

d) *Vendors who have completed the registration on* e-tendering *shall only be allowed to submit the bids through* e-tendering *Portal. Therefore, it is in the interest of the bidders that they register on the* e-tendering *Portal at the earliest.*

e) *The vendor registration on* e-tendering *Portal is a very user-friendly process. However, in case of any doubt, the vendor may contact the 24 X 7 e-tendering Portal helpdesk at Contact No. +91-120-4001 002, +91-120-4001 005 +91-120-4493 395 and E-mail: eproc@nic.in*

f) *Various links such as "Help for Contractor", "Information about DSC", "FAQ", "Resources Required", "Bidders Manual Kit" etc. are available on home page of https://eprocure.gov.in/eprocure/app facilitating bidders to participate in the bidding process. Bidder are advised to download & utilize the available information/documents under these links for activities like Registration in portal, obtaining User ID & Password, uploading & submission of e-bids etc. Bidders are advised in their own interest to carefully go through Instructions for E-tendering and other related document available against various help links so as to ensure that bids are uploaded in E-tendering website well before the closing date and time of bid submission..*

5. In the event of failure in bidder's connectivity with e-tendering website during the last few hours on account of problem on bidders account, they are likely to miss the deadline for bid submission. Due date extension request due to this reason will not be entertained. In view of the same, bidders are advised to upload their bid in advance.

6. **Bidders to upload the Composite bids in the Single folder mentioned in the e-tender portal.**

7. **This Limited invitation for e-bid is open only to the suppliers to whom this RFQ is issued.**

8. **BRIEF SCOPE OF SUPPLY/ WORK:**
For scope refer RFQ and enclosed Material Requisition

9. **DELIVERY/ COMPLETION PERIOD**:

Refer Bid Data Sheet (BDS)

10. **SALIENT FEATURES OF BIDDING DOCUMENT:**

a)	Type of Enquiry	:	**LIMITED COMPETITIVE BIDDING (DOMESTIC)**
b)	Bidding Document availability on Website (on e-tendering portal)	:	**From 25-04-2026 up to 11-05-2026; 12:00 Hrs. (IST)**
c)	Last date for submission of pre-bid queries	:	02 days prior to Pre Bid Meeting
d)	Date / Venue of Pre-Bid Meeting #	:	**Online on 04-05-2026 at 11:00 AM**. Pre Bid Meeting shall be carried out through MS-Team as per below details: PRE-BID MEETING FOR RFQ SPN/ B933-000-XR-MR-0510/176,LIGHTING FIXTURE & ACCESSORIES | Meeting-Join | Microsoft Teams Meeting ID: 458 519 936 531 46 Passcode: QY3Q6cA9
e)	Last Date and time for submission of e-Bids	:	**11-05-2026; 12:00 Hrs. (IST) (or later date as updated by addendum, if any, on E-Tendering/ E-procurement website)**
f)	Cost of Bidding Document / Bidding Document Fee	:	Not Applicable.
g)	Bid Security / Earnest Money Deposit (EMD)	:	Not Applicable
h)	Last date and time of submission of Earnest Money Deposit (EMD) /Bid Security (In original hard copy)	:	Not Applicable
i)	Opening of Composite Bids #	:	**12-05-2026; 12:00 Hrs. (IST) (or later date as updated by addendum, if any, on E-Tendering/ E-procurement website)** (on-line Opening shall be done) If date(s) identified as (*) above happen to be a declared holiday in EIL Gurugram, the next working day shall be considered.
j)	Contact person for any query/ clarifications for this tender	:	**Queries to be addressed to:** Mr. S Padmanathan, GM (SCM) / Mr. Eswara Vara Prasad Atta, DGM (SCM), Engineers India Limited, 1st Floor, Tower-1, Sector-16, Gurugram, Haryana-122 001. Telephone: +91-124-289 1308 / 1303 / 1377 / 1385 E-mail: s.padmanathan@eil.co.in, varaprasad.atta@eil.co.in , rohit.singh@eil.co.in , tushar.kumawat@eil.co.in

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11. Bidder should submit their bid strictly as per the requirements outlined hereunder and as specified in the Bidding Document including Material Requisition.

12. EIL / BPCL reserves the right to use in-house information for assessment of bidder's capability for consideration of bid. Suppliers enlisted with EIL/BPCL will be requested to quote only for those items of MR for which they have enlisted with EIL/BPCL on date of issue of RFQ. For the purpose of evaluation, such supplier's capability as on the date of issue of RFQ shall be considered. They will not be evaluated for the items for which they are not qualified.

13. As Purchaser/ Consultant intend to contact directly with suppliers of the goods for which bids are invited, the bids should be prepared by the suppliers and submitted directly to Purchaser. Purchaser/Consultant reserves the right to reject offers made by intermediaries.

14. E-bids received online shall be opened on due date and time as specified above. The Bidders who have submitted their Bid will be able to view online the name & status of all the Bidders at their respective windows, after Composite Bid opening by EIL/BPCL.

15. Purchase preference as per government guidelines as applicable from time to time shall be considered.

Submission of MSE related documents:

(a). MSE bidder to submit UDYAM Registration Certificate in support of MSE eligibility along with the technical bid.

(b). The technical evaluation for MSE eligibility in respect of EMD exemption and purchase preference etc. shall be carried out based on submission of valid UDYAM Registration Certificate by the bidder as a part of the un-priced bid.

(c). In addition to valid UDYAM Registration Certificate, MSE Bidder shall also submit certification from a practicing Chartered Accountant (CA) (dated after the date of floating of tender and specific to the tender for which bid is being submitted), as per format (Annexure-A) enclosed with Appendix-VI to ITB. However, this certificate from Chartered Accountant is to be submitted after price bid opening only by such MSE bidder who is either lowest evaluated bidder or eligible for MSE purchase preference as per tender terms.

(d). In case the MSE bidder who is eligible for Purchase Preference fails to submit CA certificate for MSE eligibility, it shall not be considered for Purchase Preference under tender terms.

16. EIL/BPCL reserve the right to make any changes in the terms and conditions of purchase and to reject any or all the bids received, at its discretion without assigning any reason whatsoever.

*Please specify Ref. No. (**SPN/ B933-000-XR-MR-0510/176**) in all Correspondence.

THIS IS NOT AN ORDER

Very truly yours,

.

S Padmanathan,GM (SCM)

Engineers India Limited

Enclosure: As per List Attached

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	B	COMPLIANCE TO BID REQUIREMENT
	C	AGREED TERMS & CONDITIONS (ATC) ALONG WITH ANNEXURE-I
	D	BANK MANDATE FORM
	E	FORMAT FOR BIDDERS QUERIES FOR PRE BID MEETING
	F	DELETED
	G	SELF DECLARATION (ON LETTERHEAD OF BIDDER)
	H	INTEGRITY PACT
	~~I~~	~~GST BREAKUP, WHEREVER APPLICABLE FOR PACKAGE MR~~
	J	DECLARATION OF HOLIDAY LISTING, CONVICTION UNDER PREVENTION OF CORRUPTION ACT / IPC OR ANY OTHER LAW
	M	PERFORMA FOR BANK GUARANTEE IN LIEU OF FOR EARNEST MONEY
	N	TAX RESIDENCY CERTIFICATE & FORM 10F
5		SPECIAL PURCHASE CONDITIONS (SPC) ALONG WITH ITS ANNEXURES
6		GENERAL PURCHASE CONDITIONS (GPC)
7		PRICE SCHEDULE
8		MATERIAL REQUISITION **B933-000-XR-MR-0510 Rev.A**

BID DATA SHEET
(BDS)

BID DATA SHEET		
S.NO.	**ITB CL. NO.**	**CONTENT**
1.	**ITB 2.1, 2.2 & 2.3** **ELIGIBLE BIDDERS**	Enquiry Basis is Domestic Competitive Bidding **Only Class-I local suppliers as per PPP-MII Policy are eligible to submit their bid. Bids received from Class-II or Non-local suppliers as per PPP-MII Policy shall not be considered for evaluation and shall be rejected**. In case a bidder does not register on the e-Tendering Portal and as a consequence, does not submit their bid on the Portal, it shall be deemed that he is not interested in bidding against this enquiry and no further correspondence will be entertained.
2.	**ITB 6.0** **PREBID MEETING**	Applicable (Refer IFB/RFQ for details)
3.	**ITB 19.2,20.2** **BID SECURITY/EMD**	Not Applicable
4.	**ITB 12.4** **INTEGRITY PACT**	Not Applicable
5.	**ITB 31.0 EVALUATION AND COMPARISON OF BIDS** Item Wise / Group Wise / Bottomline Evaluation	Group-Wise.
6.	**ITB 33.0** **PREFERENCE TO MICRO & SMALL ENTERPRISE**	Applicable
7.	**ITB 34.0** **POLICY FOR PROVIDING PREFERENCE TO DOMESTICALLY MANUFACTURED IRON AND STEEL PRODUCTS IN GOVERNMENT PROCUREMENT(DMI&SP)**	Not Applicable.
8.	**ITB 35.0** **PUBLIC PROCUREMENT (PREFERENCE TO MAKE IN INDIA)**	• Policy for Public Procurement (Preference to Make in India) is **Applicable**. • Bidders shall submit **FORM-2 (attached as Annexure-2(Rev) to ITB)** in their un-priced bid, at the bidding stage. • During execution stage, successful bidder is required to submit documents as per Sl. No. 32 of Special Purchase Conditions (SPC).
9.	**SPC** **REPEAT ORDER**	Applicable. Repeat order is not a part of Evaluation.
10.	**ITB 25.0** **Enquiry issued on ZERO Deviation basis**	Enquiry is issued on Zero Deviation basis. Offers submitted with deviations (except for the deviations, for which loading is defined as per ITB & ITS annexure) or incomplete offers requiring any queries/correspondence may be liable for rejection without any reference to the Bidder.
11.	**ITB 45.0** **Provisions of Category-I MR**	Applicable

BID DATA SHEET		
S.NO.	**ITB CL. NO.**	**CONTENT**
12.	**ITB 46.0** **Provisions for Stockist / Traders in case of Pipes, Fittings etc**	Not Applicable
13.	**SBI Base Rate**	SBI base rate as on the date of issue of enquiry shall be applicable.
14.	**Payment Terms**	**A. For Supply**: 1. 04% against approval of drawings, wherever required (identified in PO/ PR/ Kick off Meeting / post order) at least in Code-2 / Code R and against submission of ABG of equivalent amount. 2. 01% against approval of drawings in Code-1 and against submission of ABG of equivalent amount. 3. 10% against placement of sub-orders to sub-vendors for Major raw material and submission of ABG of equivalent amount 4. 15 % against receipt and identification of major specified raw materials at supplier's work and against submission of ABG of equivalent amount 5. 60% (65% where drawing/doc approval not required) against receipt and acceptance of material at site along with copy of LR, IRN and packing list, Invoice with full taxes, duties and transportation charges. 6. 05% on receipt of all Final/As built Drawings/ Documents/ Data/ Manual in requisite number duly certified by Inspection agency as per VDR specified in Purchase Requisition and uploading the same in BPCL/EIL-portal. 7. 05% on receipt of all material & acceptance of all materials at site.
15.	**Part Order**	Applicable
16.	**AMC**	Not Applicable
17.	**Site Work**	Not Applicable
18.	**% break-up of grouped items**	Bidder shall quote the percentage (%) break-up of tags in the format as per **Annexure - B to Price Schedule** in the unpriced bid. The break-up shall be applicable for deriving item-wise rate after Price Bid Opening subsequent billing break-up approval to be submitted by the bidder. However, Bidders to quote single price for Group (for Grouped items) in BoQ / Price Schedule
19.	**Delivery Period / Completion Schedule**	**5 Months** on FOT Project Site basis from the date of Letter of Acceptance (LOA) / Purchase Order (PO) whichever is issued earlier. Date of receipt of material at site as certified by site store / owner / EIL shall be considered as date of delivery.

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20.	**Sl. No. 5.4 of ITB**	~~ECU / EPCM-1 / U&O/~~ EPCM-2 ~~Bina Petro Chemical Unit /~~ Bina Refinery Expansion
21.	**Sl. No. 16.1 of ITB** **Bid Validity**	4 Months
22.	**Sl. No. 'D' of Annexure-A to SPC** **Applicability of Tax Credit**	This MR pertains to ~~EPCM-1 /~~ EPCM-2 /~~ PMC-1~~ scope
23.	**Sl. No. 3.3 of SPC** **Price Reduction Schedule (PRS)**	Applicable. All Items in of a group shall be considered as a single package for the purpose of PRS. In case of delay, the 0.5% price reduction shall be applicable on the entire value of the group(s) and not on the value of the undelivered portions (even though a billing breakup has been approved), subject to maximum of 5% of total order value.
24.	**Unit rate for addition/ deletion**	Applicable. The rates quoted against items shall be applicable for addition/deletion of quantity at the time of order placement.
25.	**Price Schedule Format**	a) Format B1 (CIF) is applicable for "**Imported Supplies by Indian Suppliers as Built-in Import Content where Suppliers will become consignee of the Goods by filing Bill of Entry for Home Consumption**" and shall be dealt as per B. 2 c) of Annexure-A to SPC (Taxes and Duties).

<table>
<tr><th colspan="3">BID DATA SHEET</th></tr>
<tr><th>S.NO.</th><th>ITB CL. NO.</th><th>CONTENT</th></tr>
<tr><td>26.</td><td>This para to be added under the clause no. 14 (i) of SPC.</td><td>
<table>
<tr><th>BG Value</th><th>Stipulation</th></tr>
<tr><td>Up to INR 1 Crores</td><td>Bank Guarantees from any Scheduled bank (including nationalised banks, other scheduled commercial banks, scheduled cooperative banks and scheduled regional rural banks) as appearing in the second schedule to the RBI Act 1934 Shall be acceptable.</td></tr>
<tr><td>Greater than INR 1 Crores</td><td>Bank Guarantee which are issued by banks having long term issuer rating of “A2” from Moody’s or equivalent from Fitch and S&P in case of the foreign bank and long-term issuer rating of at least “AA” from CRISIL or equivalent from CARE, ICRA and Indian rating in case on Indian Bank, shall be acceptable. In case rating for a bank is available from more than one rating agency, the lowest such rating shall be considered. Illustrative list of banks meeting the stipulated criteria are attached as Annexure B to SPC.

However, during currency of BG(s) [other than EMD BG(s)], in case, the credit rating of the bank falls below the credit rating mentioned above, the contractor shall replace the BG from any of the other eligible bank as per above criteria.</td></tr>
</table>
</td></tr>
<tr><td>27.</td><td>SPC Cl. 29
Arbitration</td><td>Clause No. 29 of Special Purchase Conditions (SPC) stands deleted.</td></tr>
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Appendix to ITB

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2	APPENDIX II : PUBLIC PROCUREMENT (PREFERENCE TO MAKE IN INDIA) (PPP-MII)
3	APPENDIX III : EVALUATION CRITERIA AND COMMERCIAL LOADING OF OFFERS IN CASE OF DEVIATIONS.
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5	APPENDIX V : POLICY OF HOLIDAY LISTING OF VENDORS IN BPCL
6	APPENDIX VI : VERIFICATION OF MSE REGISTRATION CERTIFICATE BY CHARTERED ACCOUNTANT.
7	APPENDIX VII : ACKNOWLEDGEMENT CUM CONSENT LETTER.
8	APPENDIX VIII : REVISED POLICY ON MSE PURCHASE PREFERENCE

A. GENERAL

1.0 SCOPE OF BID

1.1 In connection with the Request for Quotation (RFQ), Bharat Petroleum Corporation Limited (BPCL) invites e-Bid(s), under single stage two bid system, for the scope of supply and services covered under the RFQ Document.

1.2 Throughout the Bidding Document:

(a) The **PURCHASER / CLIENT / OWNER** means Bharat Petroleum Corporation Limited (BPCL), having its Registered office at 4&6, Currimbhoy Road, Ballard Estate, Mumbai - 400 001 and shall include its successors and assignees.

(b) "EIL" shall mean Engineers India Ltd., having its registered office at 1, Bhikaiji Cama Place, R.K Puram, New Delhi-110066 (INDIA) and engaged by BPCL as PMC/EPCM for their Project.

(c) except where the context requires otherwise, words indicating the singular also include the plural and words indicating the plural also include the singular; and word written in capital or small letter or where the first letter capital have the same meaning; and

(d) The term 'Bid Due Date' shall mean the 'Final Bid Due Date'.

(e) the term "bid"/ "tender"/"offer"/"proposal" and their derivatives ("RFQ/Bidding/Enquiry" documents, "bidder/tenderer", "Vendor/Supplier/Seller", "Bid/tender", "bidding/tendering", "Contract/Purchase Order" etc.) are synonymous, and day means calendar day..

(f) Material Requisition (MR) means the Technical Part of RFQ Document."GST" shall mean Goods and Services Tax charged on the supply of material(s) and services. The term "GST" shall be construed to include the Integrated Goods and Services Tax (hereinafter referred to as "IGST") or Central Goods and Services Tax (hereinafter referred to as "CGST") or State Goods and Services Tax (hereinafter referred to as "SGST") or Union Territory Goods and Services Tax (hereinafter referred to as "UTGST") depending upon the import / interstate or intrastate supplies, as the case may be. It shall also mean GST compensation Cess, if applicable.

(g) **CONSULTANT :-**

BPCL HAS APPOINTED ENGINEERS INDIA LIMITED (EIL) AS THE CONSULTANT FOR THIS PROJECT. OWNER HAS ALSO AUTHORIZED THE CONSULTANT TO ENTER INTO CORRESPONDENCE WITH BIDDER(S) & OBTAIN CLARIFICATIONS/ CONFIRMATIONS, IF ANY WITH RESPECT TO THIS RFQ/ BIDDING DOCUMENT. BY VIRTUE OF THIS AUTHORIZATION, EIL ON BEHALF OF BPCL MAY ENTER INTO CORRESPONDENCE / DISCUSSIONS & OBTAIN CLARIFICATIONS / CONFIRMATIONS FROM BIDDER(S) IF ANY.

BIDDER SHALL HONOUR EACH & EVERY CLARIFICATION / CONFIRMATION ARISING OUT OF THE CORRESPONDENCE / DISCUSSION BETWEEN THE CONSULTANT & BIDDER.

E-Tendering/ e- procurement website means Central Public Procurement Portal (CPP portal) i.e. https://eprocure.gov.in/eprocure/app

1.3 The successful bidder / "supplier" shall complete the Scope of RFQ within the Time Period/Completion Period stated in RFQ document.

2.0 ELIGIBLE BIDDERS

2.1 An Eligible bidder may be a firm or a company, who, have been issued/intimated for issuance of RFQ Document on Limited Competitive Basis or a bidder meeting the BQC criteria as per Invitation for Bids (IFB)/ Notice Inviting Tender (NIT) on Open Competitive basis.

2.2 In case of limited competitive basis, the bidding is open only to the bidders to whom Bidding Document has been issued or intimation for issuance of Bidding Document has been sent through EIL Tender portal/through e-mail by EIL. (Refer BDS for type of bidding)

2.3 In case of open competitive basis, the bidding is open to the bidder who intends to submit the Bid, in response to IFB/NIT.

2.4 A bidder who is on **Holiday Listing / Negative List** of EIL/BPCL/MoPNG or on due date of submission of bid / during the process of evaluation of the bids, the offers of such bidders shall not be considered for bid opening/evaluation/award. If the RFQ Document **is/was issued inadvertently to such Bidder/downloaded from website by such** Bidder, then Bid submitted by such Bidder shall not be considered for opening/ evaluation/ award.

2.5 Deleted

2.6 Deleted

2.7 Bidder should not be under Insolvency, liquidation, court receivership or similar proceedings.

2.8 The bidder shall not be under a declaration of ineligibility by OWNER for Fraudulent practices as defined at clause no. 41 of ITB.

2.9 A bidder shall not be affiliated with a firm or entity:

i) that has provided consulting services related to the work to the Owner during the preparatory stages of the works or of the project of which the works form a part,

or

ii) That has been hired by the Owner as engineer/consultant for the contract.

2.10 Department of Expenditure (Ministry of Finance) of Government of India through OMs no. 6/18/2019-PPD dated 23.07.2020 & 24.07.2020 has issued the guidelines regarding procurement from bidders from a country or countries sharing Border with India. These guidelines along with their subsequent amendments are available on the website of DoE (https://doe.gov.in/procurement-policy-division) and the same shall be followed as per Government instructions in vogue, as applicable from time to time. In view of the above, Bidder to submit signed and stamped copy of Undertaking with respect to **COMPLIANCE OF RESTRICTIONS FOR COUNTRIES WHICH SHARE LAND BORDER WITH INDIA.** (on Company's Letterhead) attached with Appendix-I of this ITB for compliance.

2.11 Ministry of Petroleum & Natural Gas (MoPNG) vide File no. FP-20013/2/2017-FP-PNG-Part(4)(E-41432) dated 26.04.2022, have issued a directive that Public Procurement (Preference to Make in India) (PPP-MII) Order, 2017 issued by DPIIT and as amended from time to time shall be applicable to all the Public Sector Undertakings and their wholly owned subsidiaries under MoP&NG, Joint Ventures that have 51% of more equity by one or more Public Sector Undertakings under MoP&NG. Copy of the notifications is available on MoPNG website.

Under this policy, buyer reserves the right to allow Suppliers or Service providers in a tender and purchase preference as admissible under the prevailing policy, subject to complying with the requirements/ conditions defined herein and submitting documents required to support the same. Refer Appendix-II to ITB for details.

3.0 Deleted

B. CONTENTS OF BIDDING DOCUMENT

4.0 BIDDING DOCUMENT

4.1 The RFQ document shall consist of Commercial & Technical Section.

4.2 The Bidding Document shall in general consist of the following and should be read in conjunction with any amendment issued in accordance with Clause No. **7.0** of ITB.

i. Notice Inviting Tender (NIT) / Invitation for Bids (IFB) {If applicable}

ii. Request for Quotation (RFQ), Instructions to Bidders and its Appendices

iii. Bid Data Sheet (BDS)

iv. Bidding Forms

v. Special Purchase Conditions (SPC) and its Annexure

vi. General Purchase Conditions (GPC)

vii. Additional Documents Mentioned in RFQ / BDS

viii. Price Schedule

ix. Material Requisition (MR)

4.3 Although all the details presented in this Bidding Document have been compiled with reasonable care, the bidder is expected to examine the Bidding Document, including all instructions, forms, terms, specifications and drawings in the Bidding Document and it includes all the documents as per Table of Contents. In case of any ambiguity or incompleteness, the bidder must bring it to the attention of BPCL/EIL immediately and prior to submission of Bid.

4.4 The bidder is expected to examine the RFQ document downloaded from the e-Procurement Portal, bidding guidelines receipt from BPCL or available on BPCL website, all instructions, formats, terms, specifications and drawings etc., enclosed in the RFQ documents. The invitation for bid (bidding) together with all its attachment thereto, shall be considered to be read, understood and accepted by the bidder in co-ordination to each other. Failure to furnish all information required by the RFQ documents or submission of a bid not substantially responsive to the RFQ documents in every respect will be at bidder's risk and may result in the rejection of the Bid.

4.5 RFQ document once issued in case of limited competitive bidding is non-transferable. However, in case of Open Competitive Bidding, since the RFQ Document is available for free downloading on the portal, any bidder may submit the Bid and the same shall be evaluated in line with the provisions of the Bidding Document.

4.6 Order of precedence

The documents forming the Purchase Order are to be taken as mutually explanatory of one another. If there is an ambiguity or discrepancy in the Term & Conditions defined in the various documents, the order of Precedence shall be as per clause no. 42 of General Purchase Conditions (GPC).

5.0 SITE VISIT

5.1 For Scope involving Site Work, bidder, if required, may visit and examine the Project Site and its surroundings and obtain for itself on its own responsibility all information that may be necessary for preparing the bid.

5.2 Bidder is advised to visit and examine the site or / locations of warehouse (at his own cost), its surroundings and familiarise themselves of the existing facilities & environment, and collect all other information which he may require for preparing and submitting the bid and entering into the Contract. Claims and objections due to ignorance of existing conditions or inadequacy of

information will not be considered after submission of the bid and during implementation. Bidder shall provide at least two days in advance the details of their representatives along with details of laptop, mobile or any other electronic device or any equipment if any, being carried so as to make arrangement for gate passes. Owner's decision on this regard shall be final and binding upon the bidder. The cost of visiting the site shall be at the bidder's own expense.

5.3 The bidder or any of its personnel or agents will be granted permission by the Owner to enter upon its premises and land for the purpose of such visits, but only upon the express condition that the bidder, its personnel, and agents will indemnify the Owner and its personnel and agents from and against all liabilities in respect thereof, and will be responsible for death or personal injury, loss of or damage to property, and any other loss, damage, costs, and expenses incurred as a result of the inspection.

5.4 For site visit, Bidder may contact the following persons in BPCL:

ECU Name: Mr. MP Agrawal Designation: GM (ECU Project-BPREP) Email: agrawalmp@bharatpetroleum.in Mobile: 9892517880 **U&O** Name: Mr. RH Panchal Designation: GM (U&O), BPREP Email: panchalrh@bharatpetroleum.in Mobile: 9819141449	EPCM-2 Name: Mr. R B Hajare Designation: GM BPREP (Site Enabling) Email: hajarerb@bharatpetroleum.in Mobile: 9619566515 Telephone: 07560-226314	PMC (PP/Butene1) Name: Mr. Gunesh V Sawant Designation: CM (Civil-BPREP) Email: sawantgv@bharatpetroleum.in Mobile: 9820441916

6.0 CLARIFICATION OF BIDDING DOCUMENT & PRE-BID MEETING

6.1 Bidder shall submit their queries strictly within cut-off date after which, BPCL/EIL shall reserve the right not to entertain any queries. **Format for Pre-Bid Queries is attached as Form-E of Bidding Forms.**

6.2 Pre-bid meeting shall be attended by competent representative(s) of the bidder.

6.3 Replies to the pre-bid queries will be uploaded in e-procurement portal**.** After pre-bid meeting, no further queries will be entertained from the bidders. The response of pre bid queries shall not form part of the Bidding Document unless issued as an Addendum/ Amendment.

6.4 The bidders may carry their qualification documents in case they desire them to be reviewed by BPCL/EIL officials during the pre-bid meeting.

6.5 **Any modification to the RFQ document, which may become necessary as a result of the pre-bid queries / pre bid discussion, shall be intimated to all bidders through the issue of an Addendum/Amendment.** Record notes of pre-bid meeting/reply to pre-bid queries shall not be considered as part of RFQ.

7.0 AMENDMENT OF BIDDING DOCUMENT

7.1 At any time prior to the deadline for submission of bids, the Owner may, for any reason whether at his own initiative or in response to the clarification requested by the prospective bidder(s), issue amendment in the form of Addendum during the bidding period or subsequent to receiving the bids. Any Addendum thus issued shall become part of Bidding Document and Bidder shall submit

a copy of the Addendum duly signed and stamped in token of his acceptance. The addendum will be hosted on e-procurement website

7.2 All Amendments, Clarifications (if any) etc. will be uploaded in e-procurement portal. Generally intimation of uploading of documents in website is sent to the bidders (all bidders in case of Limited bidding and to bidders who have submitted acknowledgement on tender portal in case of NIT) in their email id. It is the responsibility of the bidder to regularly check the website and provide current and authenticated email id. Bidder shall submit a copy of the Addendum duly signed and stamped in token of his acceptance. Any revision, clarification, addendum, corrigendum, time extension, etc. will be hosted on these websites only. Bidders are requested to visit the websites regularly to keep themselves updated. Bidders have to take into consideration of all the addendum(s) / corrigendum (s) / clarifications issued/ web hosted, before submitting the bid.

7.3 In case Addendum is issued during the bidding period, Bidder shall consider its impact in his bid. In case Addendum is issued subsequent to receipt of bids, Bidder shall follow the instructions issued along with Addendum with regard to submission of impact on quoted price / revised price, if any.

7.4 The Owner/Consultant may, at its discretion, extend the date of submission of Bids in order to allow the bidders a reasonable time to furnish their most competitive bid taking into account the amendments issued.

8.0 CONFIDENTIALITY OF BIDDING DOCUMENT

8.1 The Bidding Document is and shall remain the exclusive property of Owner/Consultant without any right to Bidder to use them for any purpose except for the purpose of Bidding.

8.2 On no account will any agency to whom Bidding Documents is issued, part with possession thereof or copy or take copies or tracings of any drawing, plan etc. It should be understood that the information therein is confidential, and that the Bidding Documents are therefore being issued to bidders in the strictest confidence.

9.0 ACKNOWLEDGEMENT & CONFIRMATION

9.1 Bidder shall acknowledge and confirm his intention to bid for the tendered item as per proforma "Acknowledgement-Cum-Consent Letter" enclosed in Bidding Document as **Appendix-VII to ITB**. Bidder also must intimate their intention of not quoting if they are not submitting Bid.

9.2 In case of e- tendering the bidder shall post their intention to bid for the tendered item in the designated place of EIL's tendering portal.

C. PREPARATION OF BIDS

10.0 COST OF BIDDING

10.1 Bidder shall bear all direct and indirect costs associated with the preparation and submission of its Bid (including clarification meetings, and site visit, if any), and BPCL/EIL shall not be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

11.0 LANGUAGE OF BID

11.1 The Bid prepared by the bidder, all correspondence/drawings and documents relating to the bid exchanged by the bidder with the Owner/Consultant shall be in English Language only. In case, any printed literature furnished by bidder written in another language so long as accompanied by an English translation, in which case, for the purpose of evaluation and interpretation of the bid, the English translation shall govern.

11.2 In case any of the supporting documents (either technical or financial) are not in English language, then the English translation copy of the same shall also be furnished duly certified, stamped and

signed by Local Chamber of Commerce of bidder's country or Indian embassy in bidder's country or their embassy in India.

12.0 DOCUMENTS COMPRISING THE BID

No Physical Bids / Offers shall be permitted (other than the documents which are specifically mentioned to be submitted in physical form for which scanned copy already uploaded along with the bid). The offers/bids submitted online through e-procurement portal along with the respective originals as specified in RFQ Document shall only be considered as bid for evaluation and ordering. Bidders are required to upload the Bid/offer along with all supporting documents including Priced bid on the **E-Tendering Portal only.** Electronic Bids (e-bid) shall be submitted on e-procurement Portal as per available functionalities.

Bidders to upload the unpriced bid (comprising of bid security, technical bid, other documents, e.t.c.) and priced bid (offer prices) strictly at designated place on e-procurement Portal. Offer prices shall not be mentioned at any place other than the designated field(s) provided on e-procurement Portal.

12.1 TECHNO-COMMERCIAL/ UNPRICED BID (through e-tender portal)

(a) Offer Covering letter (in bidder's letter head).

(b) Bidder's General Information (**Form-A**).

(c) Bidder Qualification Documents (if applicable) as per requirement specified in IFB.

(d) Techno-Commercial compliance to terms & Conditions of Bidding Document (**Form-B**).

(e) Duly filled and signed copy of Agreed Terms And Conditions (ATC)(**Form-C) & its annexure.**

Wherever foreign bidder is also sourcing supply / services from India, they shall also submit ATC ((For Indian Bidders / Indian Sourced Components By Foreign Bidders), in addition to ATC (For Foreign Bidder)

(f) Bank Certified Mandate Form as per **Form-D** duly signed and stamped with the Banker's certification along with cancelled cheque (Applicable for Indian Bidders).

(g) Self-declaration by bidder regarding Holiday/ Negative listing/Insolvency/ Arbitration/ Litigation etc. **(FORM–G**)

(h) Duly filled and signed copy of **Integrity Pact** (as per **Form-H)** .

(i) GST Breakup, as per **Form-I for Indian Bidders**

(j) Self Certification by Bidder under PPP-MII Order, 2017 towards mandatory minimum Local Content (**FORM-2** attached with Appendix-II of this ITB), if applicable.

(k) Declaration for holiday listing orders in line ITB APPENDIX V[POLICY OF HOLIDAY LISTING OF VENDORS IN BPCL] (**FORM–J).**

(l) Unpriced copy of Price Schedule Indicating 'Quoted' for the "Price" column and 'NQ' for "not quoted".

(m) Copy of valid Certificate for registration as MSE & SC-ST Certificate of registration (if applicable) towards claiming purchase preference as per Public Procurement Policy 2012 along with CA certificate as per Appendix-VI to ITB. .However, this certificate from Chartered Accountant is to be submitted after price bid opening only by such MSE bidder who is either lowest evaluated bidder or eligible for MSE purchase preference as per tender terms.

(n) Duly signed & stamped copy of Addendum / Amendment (if any).

(o) Technical Compliance/ datasheets/ documents, required as per Material Requisition, wherever applicable.

(p) Unpriced copy of Details of Built-in CIF Value of Import Content (For Indian Bidders) with item wise details & rates of Customs Duty considered as per FORMAT-CIF/CD, if applicable indicating "Quoted/Not Quoted(as applicable)".

(q) Power of Attorney in the name of authorized signatory signing the Bid and who possesses the DSC Key on behalf of the bidder's company to sign the e-bid , that such person (s) is/are authorized to sign the bid on behalf of the bidder and any consequence resulting due to such signing shall be binding on the bidder. **(applicable only for Open Enquiries)**

(r) Signed and stamped copy of Undertaking on Company's Letterhead (Form-IA & Form II) attached with Appendix-I of this ITB in line with Government guidelines regarding procurement from bidders from a country or countries sharing Border with India.

(s) Scanned copy of Bid Security ***(on e-tender portal)*** and original bid security (***in hard copy***)

(t) Scanned copy of certified documents towards proof of meeting Technical and Financial Bidder Qualification Criteria. **[only in case of open competitive bidding (NIT / IFB)]**

(u) Tax residency certificate and other information in a form no. 10F **(Form-N),** [Applicable for Foreign Bidders Only]

(v) Any other document required as per Technical Specifications; and

(w) Any other document as required in RFQ/ BDS.

Note: The above shall be uploaded in **"PREQUAL/ TECHNICAL"** folder in e-tendering portal.

12.2 Priced Bid (through e-tender portal)

Bidder shall fill-in the prices at designated field(s) available on e-procurement Portal only.

12.3 Submission of Earnest Money Deposit (EMD) in Original

EMD shall be submitted in ORIGINAL **within 7 calendar Days** from the Bid due date and time of e-bid submission in the E-procurement portal & in a sealed envelope, with proper index and covering letter in bidder's letter head.

Note: In case 7th calendar day happen to be a declared holiday in EIL Gurugram, the next working day shall be considered.

The envelope shall be titled "EMD in original" with the Name of the Item, Bidding Document No., Name of the Project etc. along with the Bidder's name and address with contact no., email Id etc. and shall be submitted to the address as mentioned below:

Ms. Sangitta Ghuliani, Sr. General Manager (SCM)
Engineers India Limited,
Tower-1, 1st Floor, R&D Complex
Sector-16, Gurugram
Haryana-122001
Telephone : +91 (0) -124-289-1284
E-mail : sangitta.ghuliani@eil.co.in ,

BPCL's Bank Details for EMD:

STATE BANK OF INDIA
SARVODAYA CHAURAHA
BINA, DIST. SAGAR (MP) – 470113
ACCOUNT NO.: - 32182313019
IFS CODE: - SBIN0001427

MICR CODE: - 470002101

12.4 INTEGRITY PACT

12.4.1 Bidder shall submit, the scanned copy of the Integrity Pact (IP) duly signed and stamped in token of compliance in Part-I of the Bid (**enclosed with RFQ as Form-H of Bidding Forms**), wherever required as per Bid Data Sheet. **Non-submission of Integrity pact may lead to not considering their bid for further evaluation**.

12.4.2 Deleted

12.4.3 For detail of Independent External Monitors (IEMs), appointed by BPCL, in terms of Integrity Pact (IP) refer Integrity Pact.

12.4.4 No deviations / modifications in IP shall be acceptable. Bidder shall submit the same format of signed integrity pact (as provided in the bidding document duly signed by the buyer), duly filled-in, signed & stamped by the authorised signatory of bidder.

12.4.5 Integrity Pact shall be signed by the authorised signatory of the bid. If the Bidder is a partnership firm, this agreement must be signed by all partners.

13.0 MULTIPLE/ALTERNATIVE BIDS

13.1 A bidder (i.e., the bidding entity) shall, on no account submit more than one bid either directly (as a single bidder or as a member of consortium) or indirectly (as a sub-contractor) failing which following actions shall be initiated:

i) All bids submitted by such bidder (say 'A') as a single bidder or as a consortium, shall stand rejected and EMD, if any, in case of all such bids submitted by bidder 'A' shall be forfeited.

ii) If another bidder (say 'B') has proposed bidder 'A' as a sub-contractor then bidder 'B''s bid shall also be rejected. However, in case the bidder 'B' has also proposed an alternative sub-contractor who is other than the bidder 'A', then bidder 'B''s bid shall be evaluated with the proposed alternative sub-contractor only. Hence, every bidder shall ensure in his own interest that his proposed sub-contractor is not submitting alternative/ multiple bids.

Note: However, in case BPCL/EIL has proposed a list of sub-contractors/ sub-vendors in the enquiry document itself which shall be common for all the Bidders, the provisions at Clause No. **13.1** ii) above shall not be applicable as long as only the sub-contractors / sub-vendors are common in case of various bidders. However, if any of such sub-contractors / sub-vendors happens to be the bidder also, Clause No. **13.1** i) above shall be applicable.

14.0 BID PRICES AND DISCOUNTS

14.1 Prices shall be furnished strictly in the appropriate field(s) available on e-procurement Portal. Bidder shall not quote any discount separately for any item or on overall price. Conditional discounts, if offered by a bidder, shall not be considered for evaluation.

14.2 Rates/ prices quoted by the bidder shall remain **FIRM, FIXED AND VALID** till the completion of the scope of supply/Works (as applicable) and will not be subject to variation on any account except as otherwise specifically provided in the Bidding Documents.

14.3 The bidder shall quote the prices after careful analysis of cost involved for the performance of complete work considering all parts of the RFQ documents. In case, any activity though specifically not covered but is required to complete the work as per scope of work, scope of supply,

specifications, standards, drawings, GPC, SPC or any other part of RFQ Document, the prices quoted shall be deemed to be inclusive of full and final cost incurred for such activity(ies).

14.4 It shall be the responsibility of the Bidder to duly enquire of their own and comply with all applicable laws, rules, regulations, orders and formalities applicable to Goods and Services Tax (GST), Custom Duty etc. on the manufacture, sale and/or supply of any material / services to Owner / EIL.

14.5 Price basis w.r.t inclusion/exclusion of taxes

i. The quoted price for Indian Bidders / Indian sourced components shall be deemed to be exclusive of GST (i.e. IGST or CGST and SGST/UTGST applicable in case of interstate supply or intra state supply respectively and GST compensation cess, if applicable) and inclusive of all other taxes and duties.

ii. In case of foreign bidders, bidders shall submit their prices on FOB International sea port of exit basis (INCOTERM 2020), unless otherwise stated in the bid document. FOB prices quoted shall be inclusive of all applicable taxes upto FOB international port of exit. Further, ocean freight charges shall be quoted upto sea port of Entry in India i.e. Nhava Sheva Port.

For Instrumentation Items: In case of air transport (wherever allowed as per Enquiry Document), foreign bidders shall submit their prices on FCA international port of exit basis (INCOTERM 2020), unless otherwise stated in the bid document. FCA prices quoted shall be inclusive of all applicable taxes upto FCA international port of exit. Further, Air freight charges shall be quoted upto air port of Entry in India i.e. Mumbai Port.

iii. Inland Transportation charges (In India) upto project site, if sought separately, shall be exclusive of GST.

iv. Site work prices, if applicable shall be inclusive of all taxes and duties but exclusive of GST. All necessary registrations, if required, for carrying out the site activities shall be done by the bidder and costs towards the same shall be included in quoted site work prices.

v. Prices of per diem supervision charges, hazop study, 3D modelling, training/AMC, if applicable (executed in India) shall be exclusive of GST. However, GST shall not be applicable on training provided at foreign bidder's work/training facilities in their country.

14.6 All duties, taxes, and other levies payable shall be as per Special Purchase Conditions (SPC).

14.7 It shall be the responsibility of the Bidder to duly enquire on their own and comply with all applicable laws, rules, regulations, orders and formalities applicable to Goods and Services Tax (GST), Customs Duty etc. on the manufacture, sale and/or supply of any material / services to Owner / EIL.

14.8 **The Bidder shall keep the Owner / EIL indemnified from and against any and all claims, demands, prosecutions, penalties, damages, demurrages and/or other levies whatsoever** made or levied by any Court, Tribunal or the Customs or other Authorities with respect to any alleged breach, evasion or infraction of such duties, taxes, charges or levies or any breach or infraction of such laws, rules, regulations, orders or formalities concerning the same and from the consequence thereof.

15.0 CURRENCIES OF BID

15.1 In case of Indigenous Enquiry:

Bidding currency shall be Indian Rupees.

15.2 **In case of Global Enquiry:**

For Indigenous bidders:

Bidding currency shall be Indian Rupees.

For Foreign bidders:`

Foreign Bidders are required to quote in US Dollars/Euro/Indian Rupees. Payment shall be made in respective currency of quote.

15.3 However, evaluation shall be done based on value in INR as per conversion rate published by RBI reference rate as on the date of price bid opening. If RBI reference rate is not available for the date of Price Bid opening, the latest available rates of RBI shall be considered for Price Bid Evaluation.

In the absence of RBI reference rate, SBI TT Sell (Telegraphic Transfer) reference rate on the date of price bid opening or the latest available will be considered. In absence of RBI reference rate, SBI TT reference rate, the conversion Rate shall be taken from the Internet such as:

https://www.xe.com/currencyconverter

https://www.oanda.com/currency/converter

https://economictimes.indiatimes.com/markets/forex/currency-converter

16.0 PERIOD OF VALIDITY OF BIDS

16.1 Bids shall remain valid for the period specified in the BDS from bid due date. A bid with shorter validity period shall be rejected by BPCL/EIL as non-responsive. Bidders shall not be entitled during the above period, without the consent of BPCL/EIL in writing, to revoke or cancel their Bid or to vary the Bid given or any term thereof. In case of bidders revoking or cancelling their Bid or varying any terms in regard thereof without the consent of BPCL/EIL in writing, BPCL/EIL shall forfeit Bid security, submitted along with the bid and shall reject their bids. Such Bidder may also be put on **Holiday Listing / Negative List**.

16.2 Deleted

16.3 In exceptional circumstances, prior to the expiration of the bid validity period, BPCL/EIL may request bidders to extend the period of validity of their bids. The request and the responses shall be made in writing. A bidder may refuse the request after which their offer will not be considered for further evaluation. A bidder granting the request shall not be permitted to modify its bid.

16.4 Single Point Responsibility of the supplier

i. In case of MRs containing supplies as well site work/ services, a single order, covering the supply part as well site work/ services, shall be placed. Refer SPC for details.
In case a foreign supplier sources supplies / services within India, the terms & conditions shall be applicable as specified in relevant annexure of SPC.

16.5 Deleted

17.0 POWER OF ATTORNEY (Applicable for open enquiries only)

The bidders shall be required to submit the **Power of Attorney (POA) on** e-procurement portal along with the e-Bid**, in the name of authorized signatory signing the Bid and who possesses the DSC Key on behalf of the bidder's company to sign the e-bid and subsequent submissions on behalf of the Bidder**. However, in case of General Power of Attorney, photocopy duly attested by **Chief Financial Officer (CFO) / Chief Executive Officer (CEO) / Company Secretary (CS) / any Functional Director in the Board of Directors** is also acceptable.

In case of Foreign Bidder who does not have digital signature issued by an Indian Certifying Authority, he can authorize his Indian representative to use the representative's digital signature to upload the bid on behalf of foreign bidder. In such a case, the authority letter shall be submitted along with the e-bid with the Original signed authority letter along with the Power of Attorney.

In case of e- tendering, hard copy of Power of Attorney is not required & scanned copy will suffice.

Bids shall be signed by the authorized signatory of the bidder. All documents as submitted in the e-Procurement Portal using digital signature at any time during the Bidding process shall be deemed considered signed by the POA holder only, irrespective of POA holder's signature on all pages or not.

18.0 Deleted

D. SUBMISSION AND OPENING OF BIDS

19.0 DEADLINE FOR SUBMISSION OF BIDS

19.1 Bidders shall submit their bids electronically in the e-tendering portal, within the date and time **specified in the RFQ Covering Letter** or any extension thereof.

No Physical bid shall be permitted other than submission of the documents categorically asked for in hard copies as part of e-bids submitted online through the e-tendering Portal. The bids submitted online through e-tendering Portal shall only be considered for evaluation and ordering. The e-bid must be complete in all respects, leaving no scope for ambiguity. Bidder shall be fully responsible for the bid submitted in e-tendering portal and no relief or consideration can be given for errors and omissions.

19.2 Original Bid Security (If applicable) must be received by EIL at the address specified in IFB/ ITB/Bid Data Sheet within the date and time for submission as **specified in the** IFB or any extension thereof**.**

19.3 EIL / BPCL may, at its discretion, extend the deadline for the submission of bids by amending the Bidding Documents in accordance with Clause No. **7.0** of ITB, in which case all rights and obligations of EIL /BPCL and bidders previously subject to the deadline shall thereafter be subject to the deadline as extended.

20.0 LATE BIDS

20.1 E-tendering system shall close immediately after the deadline for submission of bid. Any bids being submitted in physical form (**other than Bid Security or documents specifically sought in physical form**) shall not be considered for opening / evaluation / award and will be returned to such bidders.

20.2 **In the event the Bid Security in original is not submitted within the deadline, as per Enquiry Document, the bids shall be declared late and shall be liable for rejection, notwithstanding the fact that the bid has been submitted in electronic form within the deadline. However, in case of exemption from submitting Bid Security under MSE, then bidder shall submit the documentary evidence of the same.**

20.3 Unsolicited bids or bids being submitted to place/website other than one specifically stipulated in the RFQ documents shall not be considered for opening/ evaluation / award

21.0 WITHDRAWAL, SUBSTITUTION, AND MODIFICATION OF BIDS

21.1 The bidder may modify, re-submit or withdraw its e-bid after the bid submission, but, before the due date and time for submission of Bid following the electronic bid submission procedures of e-tendering Portal**.**

21.2 No bid shall be withdrawn, substituted, or modified in the interval between the deadline for submission of bids and the expiration of the period of bid validity or any extension thereof. Withdrawal of a bid during this interval shall result in the forfeiture of bidder's EMD/Bid security.

22.0 BID OPENING

22.1 The un-priced Bids shall be opened online through e-tender portal, at the specified date and time given in the RFQ document or on the extended due date, as applicable. Bidders can view the stages of evaluation on e-procurement Portal

22.2 The order of opening of bids shall be as follows;

i. On scheduled date and time of Technical (UNPRICED) bid opening, Opening of **documents, submitted in electronic form shall be processed on the e-Procurement portal.**

ii. Financial (Price) bid of only those bidders whose bids is determined to be technically and commercially acceptable by EIL/BPCL shall be opened. Bidders selected for opening of their priced bids shall be informed about the date and time of price bid opening (through CPP Portal) and shall not be called for physical participation during bid opening.

NOTE:. Online opening as above, will be deemed as opened in public and there will be no separate public opening. Hence, bidders will not be called during opening of the bids.

22.3 If a supplier / an agency is placed on **Holiday Listing / Negative List** of EIL / BPCL/MoPNG after issue of enquiry but before unpriced bid opening, their bid will not be considered for further evaluation. If a supplier / an agency is placed on **Holiday Listing / Negative List** of EIL / BPCL/ MoPNG after opening of unpriced bids but before opening of priced bids, further evaluation shall be stopped and the corresponding priced bid will not be opened. If a supplier/ an agency is placed on **Holiday Listing / Negative List** of EIL / BPCL/ MoPNG after opening of priced bids and such a supplier/ agency happens to be the lowest bidder, then further course of action shall be decided by BPCL/EIL.

E. EVALUATION AND COMPARISON OF BIDS

23.0 CONFIDENTIALITY

23.1 A bidder may seek clarification regarding the Bidding Document provisions, bidding process and / or rejection of his bid. BPCL/EIL shall respond to such requests within a reasonable time. However, such information relating to the evaluation of bids and recommendation of award shall not be disclosed to any other persons not officially concerned with the bidding process.

23.2 Any attempt by a bidder to influence BPCL/EIL in the evaluation of the bids or award decisions shall render their Bid liable for rejection.

23.3 Notwithstanding Clause No. **23.2** of ITB, from the time of bid opening to the time of placement of Order, if a bidder wishes to contact BPCL/EIL on any matter related to the bidding process, it shall done so in writing only.

24.0 DETERMINATION OF RESPONSIVENESS

24.1 The Owner/EIL will examine the bids to determine whether they are complete, whether any computational errors have been made, whether the documents have been properly signed, and whether the bids are generally in order.

24.2 Prior to the detailed evaluation, the Owner/EIL will determine whether each bid is of acceptable quality, is generally complete and is responsive to the RFQ Documents. For the purpose of this determination, a responsive bid is one that conforms to all the terms, conditions and specifications of the RFQ Documents without deviations, objections, conditionality or reservations

24.3 Bidder shall not be allowed to submit any Price Implication or Revised Price after submission of Bid, unless there is change in the stipulations of the RFQ Document and such changes are incorporated through an Amendment. In case Exceptions and Deviations submitted by Bidder

along with Bid are not considered as acceptable and no Amendment is issued, then in such a case the Bidders would be required to withdraw such Exceptions/Deviations in favor of stipulations of the RFQ document and Bidders would not be eligible for submission of Price Implication/Revised Price, failing which such Bid(s) shall be considered as non-responsive and rejected.

24.4 BPCL/EIL determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence. If a bid is not responsive, it will be rejected by the Owner/EIL, and may not subsequently be made responsive by the bidder by correction of the nonconformity.

25.0 BID REJECTION CRITERIA

25.1 All queries related to scope shall be clarified before bid submission. Wherever enquiry is issued on "Zero deviation basis" (Refer BDS for applicability), bidders shall adhere to all provisions of the Bidding Document without taking any deviations, failing which the Bid shall be considered as non-responsive and are liable to be rejected.

25.2 Wherever enquiry is not floated on "Zero deviation basis" (Refer BDS for applicability), following rejection criteria shall be applicable:

i) Bid Security/EMD, wherever applicable.
ii) Arbitration clause
iii) Defects liability period
iv) Bid Validity
v) Schedule of Rates/Prices
vi) Time schedule
vii) Price Reduction Schedule (PRS) /Liquidated Damages for delay (Refer Note below)
viii) Payment Terms (Refer Note below)
ix) Performance Security/Security Deposit/Performance Bank Guarantee
x) Mobilization advance provisions
xi) Termination and Suspension
xii) Force Majeure
xiii) Scope of Work/Scope of Supply
xiv) Integrity Pact
xv) Any other mandatory declarations mentioned elsewhere in the bidding document.

Bidders shall adhere to the above provisions of the Bidding Document without taking any deviations, failing which the Bid shall be considered as non-responsive and are liable to be rejected.

Note:- Except for the deviations w.r.t. PRS and payment terms where loadings are defined in Appendix-III to ITB.

26.0 CLARIFICATION OF BIDS

26.1 Bidders should ensure that the Bid submitted is substantially responsive Bid in the first instance itself. Evaluation may be completed based on the content of the Bid itself without seeking any subsequent additional information, which may result in rejection of Bid. However, EIL / BPCL may, at its discretion, may request bidder to submit the necessary information or documentation, within a reasonable period of time, to withdraw deviation, reservation, or rectify omission in the bid related to documentation requirements. Requesting information or documentation on such account shall not be related to any aspect of the price of the Bid. EIL/BPCL's request for clarification and the response shall be in writing.

26.2 No change, including any voluntary increase or decrease, in the prices or substance of the bid shall be sought, offered, or permitted. Bidder shall not be allowed to submit any price implication or revised price after submission of Bid unless the same is called for by EIL/BPCL in writing.

26.3 If a bidder does not provide clarifications of its bid by the date and time set in EIL /BPCL's request for clarification, its bid shall be evaluated with available information which may result in rejection of their bid.

27.0 EVALUATION OF TECHNO-COMMERCIAL BIDS

27.1 Prior to price opening of bids, EIL/BPCL will determine whether each bid is accompanied with requisite documents;

i) Fulfils the technical, financial and other requirements as specified in the Bidding Document;
ii) Bid's responsiveness and clarifications thereafter, if any;
iii) Any other relevant factor, if any that EIL/BPCL deemed necessary or prudent to be taken into consideration.
iv) EMD / Bid Security as per the requirement specified in IFB(open competitive bidding)

27.2 EIL/BPCL reserves the right to use in-house information for assessment of capability of bidder and their performance on jobs completed/ in progress for evaluation purpose.

27.3 Bidders who are enlisted with EIL are required to quote as per their capabilities registered with EIL (applicable in case of limited enquiries)

27.4 Any unsolicited reduction in price offered by a bidder within the bid validity by way of discount or revised prices, subsequent to the bid due date, shall not be taken into account for comparison. However, such reduction in price shall be taken into account for ordering if such bidder happens to be recommended as per the originally quoted prices.

27.5 In case of unsolicited price increase by any bidder subsequent to the bid due date and before price bid opening, and does not agree to withdraw the price increase, the bid of such bidder shall be rejected. In such case, EMD/Bid Security of such bidder(s) shall be forfeited and further punitive action as per company policy shall be taken against the Bidder(s).

27.6 Technical or commercial queries shall not be raised. However, EIL reserves the right to raise queries in exceptional situations. CQ/ TQs, if any, shall be issued through E-tendering portal and Bidder shall submit their replies through E-tendering portal only. Offers shall be evaluated based on the information available upto cut-off date for CQ/ TQ replies. Bidder shall not submit any Price against TQ/ CQ raised unless specifically sought in writing.

27.7 In case of MRs (group/ basket/ block/ itemwise) / Lumpsum Enquiry, during unpriced evaluation if a bidder has not quoted any part/component etc, the bid of such a bidder for the corresponding group/ basket/ block/ item (or the entire MR/ lumpsum Enquiry, in case there is only one group/ block) shall stand rejected. However, EIL reserve the right to ask the bidder to absorb the same. Non-compliance shall result in rejection of corresponding item/group/block.

It is clarified here that for grouped/ basket/ block, if any item not quoted, the offer shall be rejected for that group/ basket/ block without any CQ/ TQ.

In case, the above is discovered post priced bid opening, such bidder's bid shall not be considered for evaluation for the corresponding group/ block or entire MR/ tender, if there is only one single group/ block. In such an event, the lowest bidder shall be determined out of the remaining bidders.

28.0 OPENING OF FINANCIAL (PRICE) BID

28.1 Priced Bid of only those bidders whose bids is determined to be technically and commercially acceptable by EIL/BPCL shall be opened. Bidders selected for opening of their priced bids shall be informed about the date, time of price bid opening through eTendering portal.

28.2 Bidders who qualify pursuant to unpriced bid evaluation shall be notified through eTendering portal, the time and date for online price bid opening in e-procurement portal

28.3 The Price Bids of those Bidders who were not found to be Techno-commercially acceptable shall not be opened in e-tendering.

29.0 CORRECTION OF ARITHMETICAL ERRORS

The prices quoted by bidders shall be checked for arithmetic correction, if any, based on rate and amount filled by the bidder in the SOR/price schedule formats. If some discrepancies are found between the rate / amount given in figures/words, the total amount shall be corrected as per the following procedure, which shall be binding upon the bidder:

i) When there is a discrepancy between the rate in figures and in words for an item, the rate which corresponds to the amount shall be taken as correct.

ii) When the rate quoted by the bidder in figures and words tallies but the amount is incorrect, the rate quoted by the tenderer shall be taken as correct.

iii) When it is not possible to ascertain the correct rate as detailed above, the rate quoted for the item in words shall be adopted as the quoted rate.

30.0 CONVERSION TO SINGLE CURRENCY

Evaluation shall be done based on value in INR as per conversion rate published by RBI reference rate as on the date of price bid opening. If RBI reference rate is not available for the date of Price Bid opening, the latest available rates of RBI shall be considered for Price Bid Evaluation.

In the absence of RBI reference rate, SBI TT Sell (Telegraphic Transfer) reference rate on the date of price bid opening or the latest available will be considered. In absence of RBI reference rate, SBI TT reference rate, the conversion Rate shall be taken from the Internet such as:

https://www.xe.com/currencyconverter

https://www.oanda.com/currency/converter

https://economictimes.indiatimes.com/markets/forex/currency-converter

31.0 EVALUATION AND COMPARISON OF PRICE BIDS

31.1 EIL shall compare the price bids based on the evaluation methodology and loading criteria (as per Appendix-III to ITB & Clause no. F (evaluation methodology w.r.t taxes) provided in Annexure-A to SPC to determine the lowest evaluated bid.

31.2 Conditional discount, if offered, shall not be considered for evaluation.

31.3 Any unsolicited reduction in price offered by a bidder within the bid validity by way of discount or revised prices, subsequent to the bid due date, shall not be taken into account for comparison. However, such reduction in price shall be taken into account for ordering if such bidder happens to be recommended as per the originally quoted prices.

31.4 In case unsolicited price increase is sought by L1 bidder after price bid opening and the bidder does not agree to withdraw the price increase, the bid of such bidder shall be rejected. In such case, the enquiry shall be refloated and EMD of the Bidder shall be forfeited and further punitive action as per company policy shall be taken against the Bidder

31.5 Deleted

31.6 If a bidder submits prices in un-priced part of bid, such prices shall not be considered. The prices as submitted in the price part only shall be considered for evaluation and ordering, if any. If prices are not found in the price part and even if mentioned elsewhere, the bid shall be rejected. Wherever e-procurement is followed, prices uploaded at the designated priced folder of the e-tendering website shall only be considered.

31.7 Deleted

31.8 Tie Among Lowest Evaluated Prices

In an extreme situation, when there is a 'TIE' based on the evaluated price (after loadings, if any) recourse shall be taken on the basis of bidder's **maximum average annual turnover during the last 3 years**. For this purpose, average annual turnover of the bidders having tie, shall be tabulated for the past 3 years and maximum average annual turnover during the last 3 years shall be determined for each bidder. The bidder whose average annual turnover is highest shall be the recommended bidder.

31.9 Deleted

31.10 Deleted

31.11 Deleted

31.12 REVERSE AUCTION

Reverse auction is not applicable.

32.0 EIL / BPCL'S RIGHT TO ACCEPT ANY BID, AND TO REJECT ANY OR ALL BIDS

32.1 EIL/BPCL reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to award of the order without thereby incurring any liability to the affected bidder or bidders or any obligations to inform the affected bidder or bidders on the ground of such action by EIL / BPCL.

33.0 PREFERENCE TO MICRO OR SMALL ENTERPRISES

33.1 Preference, if applicable to MSEs, shall be as per BDS. Refer **Appendix – VIII** to ITB for detailed provisions.

34.0 POLICY FOR PROVIDING PREFERENCE TO DOMESTICALLY MANUFACTURED IRON & STEEL PRODUCTS IN GOVERNMENT PROCUREMENT (DMI&SP), FOR APPLICABILITY REFER BID DATA SHEET (BDS):

34.1 Refer **Appendix – IV** TO ITB

34.2 A confirmation w.r.t compliance of this DMI&SP Policy shall be submitted by the bidder.

34.3 As per the DMI&SP policy, affidavit is required to be issued by the manufacturer. Accordingly, bidder (except Traders / Stockists) shall furnish self-certification as per the format enclosed with the policy else bid of such bidder shall be rejected.

In case of Traders / Stockists, following need to be submitted :

i.) Authorization letter from the Domestic Indian Manufacturer.

ii.) Affidavit issued by the Domestic Indian Manufacturer as per the format enclosed with the policy and made part of bidding document.

Only those Traders / Stockists who complies above requirement shall be considered.

35.0 PROVISION REGARDING POLICY OF PUBLIC PROCUREMENT (PREFERENCE TO MAKE IN INDIA) (PPP-MII), FOR APPLICABILITY REFER BID DATA SHEET (BDS):

35.1 Refer **Appendix – II** TO ITB for details.

35.2 Deleted

F. AWARD OF CONTRACT

36.0 AWARD CRITERIA

36.1 Pursuant to clause no. 28.0 and Clause no. 32.0 of ITB, BPCL shall place Purchase Order to the bidder(s) who has (have) been determined to be the lowest successful bidder(s) for item(s) / Group(s) of MR as per the item wise / GroupWise ordering philosophy defined in Bidding Document..

36.2 In case of MRs containing supplies as well site work/ services, a single order, covering the supply part as well site work/ services, shall be placed. Refer SPC for details.

In case Indian arm of a foreign bidder does site work, separate order may be issued by referring to the main PO for tax compliance purpose. (if requested by Foreign Principal).

37.0 NOTIFICATION OF AWARD

37.1 Prior to the expiration of the period of bid validity, BPCL shall notify the successful bidder, in writing, that its bid has been accepted. The notification letter called the "**Letter of Acceptance (LOA)/ Purchase Order (PO) {**In case LOA is not issued}" shall specify the sum that the BPCL will pay the Supplier in consideration of the execution and completion of the Supply/Works. The notification letter will constitute the formation of the contract.

37.2 The Delivery Schedule shall commence from the date of issue of LOA /PO (In case LOA is not issued) .

37.3 PO shall contain price, delivery and other salient terms of bid and RFQ Document.

37.4 Bidder will be required to acknowledge receipt of the same by returning "Copy of the LOA / PO" duly signed and stamped by the bidder as a token of acknowledgement to EIL/ BPCL.

~~**38.0 Deleted**~~

~~**39.0** *Deleted*~~

G. MISCELLANEOUS

~~**40.0**~~ **CARTEL FORMATION**

40.1 In case any bidder is found to be involved in cartel formation, his bid will not be considered for evaluation /placement of order. Such bidder will also be debarred from bidding in future.

~~**41.0**~~ **FRAUDULENT PRACTICE**

41.1 The OWNER requires that Bidders/Vendors/Contractors observe the highest standard of ethics during the award/execution of Contract. "Fraudulent Practice" means a misrepresentation of facts in order to influence the award of a Contract to the detriment of the OWNER, and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the OWNER of the benefits of free and open competition.

41.2 The OWNER will reject a bid for award if it determines that the bidder recommended for award has engaged in fraudulent practices in competing for the Contract in question.

41.3 Bidder is required to furnish the complete and correct information/ documents required for evaluation of their bids, if the information/ documents forming basis of evaluation is found to be false/ forged, the same shall be considered adequate ground for rejection of bids and forfeiture of Earnest Money Deposit.

41.4 In case, the information/ document furnished by the Bidder/vendor/Contractor forming basis of evaluation of his bid is found to be false/ forged after the award of the contract, OWNER shall have full right to terminate the contract and get the remaining job executed at the risk & cost of such

Bidder/Vendor/ Contractor without any prejudice to other rights available to OWNER under the contract such as forfeiture of PBG/Security Deposit, withholding of payment etc.

41.5 In case, this issue of submission of false document comes to the notice after execution of work, OWNER shall have full right to forfeit any amount due to the Bidder/Vendor/Contractor along with forfeiture of PBG/Security Deposit furnished by the Bidder/Vendor/Contractor.

41.6 Further, such Bidder/Vendor/ Contractor shall be put on Holiday/Negative List of OWNER/EIL debarring them from future business with OWNER and EIL for a time period, as per the prevailing policy of OWNER and EIL

~~42.0~~ UNIQUE DOCUMENT IDENTIFICATION NUMBER

The Institute of Chartered Accountant of India at its 379th council meeting dated 17-18th December, 2018 made generation of Unique Document Identification Number (UDIN) mandatory for every signature of full time practicing chartered accountant in phased manner for following services:

a) All certificates with effect from 1st February, 2019.

b) GST and Income Tax Audit with effect from 1st April, 2019.

c) All Audit and Assurance Functions with effect from 1st July, 2019.

In view of the above, bidder shall ensure that any certificate/ reports issued/ attested by an practicing chartered accountant in India and submitted in the bid shall mandatorily include the UDIN number. Certificate / reports issued/ attested without UDIN number of practicing chartered accountant in India shall not be considered for evaluation. The requirement of including UDIN shall not be applicable for certificate/ reports issued/ attested by a chartered accountant practising in Foreign Country.

~~43.0~~ Policy for Holiday listing of vendors in BPCL shall be as per Appendix-V to this ITB.

~~44.0~~ Deleted

~~45.0~~ Category-*I MR (Refer BDS for applicability):*

i) In case of Category-I MR, no technical offers are invited and no correspondence may be entered into or entertained after bid submission.

ii) **No technical details of any nature shall be included in the offer and if the offer contains any technical deviations or clarifications or stipulates any technical specifications, the offer shall be liable for rejection.**

iii) The submission of prices by vendor shall be construed to mean that the vendor has confirmed compliance with all technical specifications of the correspondence item.

46.0 Provisions for Stockist / Traders in case of Pipes, Fittings etc (Not Applicable for open / NIT Enquiries)

46.1 Stockists shall supply the items with 3.2 certification from EIL approved mills/ manufacturers for the approved range (i.e., size/ metallurgy/ thickness) only. List of approved manufacturers alongwith their approved range shall be sought from EIL in case the same is not available with the stockist / trader. The list is as per the present status of manufacturers/ mills approved in EIL. However, In case of placement of order on stockists, they shall verify the status of approved mills/ manufacturers from Inspection Agency before placing their suborders. List of approved manufacturers is proprietary information of EIL. Accordingly, stockists shall not share/ disclose it anywhere. This list has to be used by stockists for bidding purpose in EIL only.

46.2 After order placement by EIL, sub orders copies shall be furnished by stockists to Inspection Agency for verification. Incase, the materials are already available with stockists while quoting/

order placement by EIL, the documents for these items shall be subject to verification by Inspection Agency

46.3 Wherever compliance to DMISP policy is applicable, items shall be sourced only from EIL approved domestic mills/manufacturers.

46.4 Manufacturers/mills which are on holiday list of BPCL/EIL shall not be considered for sourcing the material.

APPENDIX-I TO ITB

COMPLIANCE OF RESTRICTIONS FOR COUNTRIES WHICH SHARE LAND BORDER WITH INDIA.

Annexure-V TO ITB

Tender Clause on Procurement from Bidders from Country(ies) sharing land border with India

1.0 Department of Expenditure (DoE) vide **O.M. No. 7/10/2021-PPD(1) dated 23.02.2023** has issued the revised guidelines for Restrictions on Procurement from Bidders from Country(ies) sharing Border with India. These guidelines are available on the website of DoE (https://doe.gov.in).

2.0 **Requirement of registration from Competent Authority:**

i). Any Bidder from a country which shares a land border with India will be eligible to bid in any procurement whether of goods, services (including consultancy services and non-consultancy services) or works (including turnkey projects) only if the Bidder is registered with the Competent Authority, specified in **Annexure-I of DoE O.M. No. 7/10/2021-PPD(1) dated 23.02.2023.**.

ii). Any Bidder (including an Indian bidder) who has a Specified Transfer of Technology (ToT) arrangement with an entity from a country which shares a land border with India will be eligible to bid in any procurement whether of goods, services (including consultancy services and non-consultancy services) or works (including turnkey projects) only if the Bidder is registered with the Competent Authority, specified in **Annexure-I of DoE O.M. No. 7/10/2021-PPD(1) dated 23.02.2023.**

3.0 **This Order shall not apply to the following special cases:**

i). In projects which receive international funding with the approval of the Department of Economic Affairs (DEA), Ministry of Finance, the procurement guidelines applicable to the project shall normally be followed, notwithstanding anything contained in this order and without reference to the Competent Authority. Exceptions to this shall be decided in consultation with DEA.

ii). This order shall not apply to procurement by Indian missions and by offices of Government agencies/ undertakings located outside India.

iii). This order will not apply to Bidders (or Entities) from those countries (even if sharing a land border with India) to which the Government of India has extended lines of credit or in which the Government of India is engaged in development projects. Updated lists of countries to which lines of credit have been extended or in which development projects are undertaken are given on the website of the Ministry of External Affairs.

iv). Procurement of spare parts and other essential service support like Annual Maintenance Contract (AMC)/ Comprehensive Maintenance Contract (CMC), including consumables for closed systems, from Original Equipment Manufacturers (OEMs) or their authorized agents, shall be exempted from the requirement of registration.

4.0 **Definitions**:

i). **"Bidder"** (including the term 'Tenderer', 'Consultant' 'Vendor' or 'Service Provider' in certain contexts) means any person or firm or company, including any member of a Consortium or Joint Venture (that is an association of several Persons, or Firms or Companies), every artificial juridical person not falling in any of the descriptions of Bidders stated hereinbefore, including any Agency, Branch or Office controlled by such person, participating in a procurement process.

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ii). **"Tender"** will include other forms of procurement, except where the context requires otherwise.

iii). **"Transfer of Technology"** means dissemination and transfer of all forms of commercially usable knowledge such as transfer of know-how, skills, technical expertise, designs, processes and procedures, trade secrets, which enables the acquirer of such technology to perform activities using the transferred technology independently. (Matters of interpretation of this term shall be referred to the Registration Committee constituted by the Department for Promotion of Industry and Internal Trade, and the interpretation of the Committee shall be final.)

iv). **"Specified Transfer of Technology"** means a transfer of technology in the sectors and/ or technologies, specified in **paragraph 5.0**, occurring on or after 23.07.2020.

v). **"Bidder (or entity) from a country which shares a land border with India"** means

(a) An entity incorporated, established or registered in such a country; or

(b) A subsidiary of an entity incorporated, established or registered in such a country; or

(c) An entity substantially controlled through entities incorporated, established or registered in such a country; or

(d) An entity whose beneficial owner is situated in such a country; or

(e) An Indian (or other) agent of such an entity; or

(f) A natural person who is a citizen of such a country; or

(g) A Consortium or Joint Venture where any member of the Consortium or Joint Venture falls under any of the above.

vi). **Beneficial Owner** for the purposes of **paragraph 4.0 v) (d)** will be as under:

a) **In case of a Company or Limited Liability Partnership**, the beneficial Owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person(s), has a controlling ownership interest or who exercises control through other means.

Explanation: -

1. "Controlling ownership interest" means ownership of, or entitlement to, more than twenty-five per cent of shares or capital or profits of the company;
2. "Control" shall include the right to appoint the majority of the Directors or to control the management or policy decisions, including by virtue of their shareholding or management rights or shareholders agreements or voting agreements;

b) **In case of a Partnership Firm**, the beneficial Owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership;

c) **In case of an Unincorporated Association or body of Individuals**, the beneficial Owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals;

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d) Where no natural person is identified under a) or b) or c) above, the beneficial Owner is the relevant natural person who holds the position of senior managing official;

e) **In case of a Trust**, the identification of beneficial Owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.

vii). **"Agent'** is a person employed to do any act for another, or to represent another in dealings with third persons.

[Note:

i). A person who procures and supplies finished goods from an entity from a country which shares a land border with India will, regardless of the nature of his legal or commercial relationship with the producer of the goods, be deemed to be an Agent for the purpose of this Order.

ii). However, a Bidder who only procures raw material, components etc. from an entity from a country which shares a land border with India and then manufactures or converts them into other goods will not be treated as an Agent.]

5.0 **Sensitive Sectors/ Technologies (relevant only for the provisions on ToT arrangements):**

i). Certain sectors and technologies have been identified as sensitive from the national security point of view. **The sectors listed in Schedule I (copy attached) are considered Category-I sensitive sectors. The sectors listed in Schedule II (copy attached) are considered Category-II sensitive sectors**. The technologies listed in **Schedule III** (copy attached) are considered sensitive technologies.

ii). For **Category-I sensitive sectors**, Bidders with ToT arrangement in any technology with an entity from a country which shares a land border with India shall require registration.

iii). For **Category-II sensitive sectors**, Bidders with ToT arrangement in the sensitive technologies listed in **Schedule III**, with an entity from a country which shares a land border with India shall require registration.

iv). In **Category-II sensitive sectors**, the Secretary (or an officer not below the rank of Joint Secretary to Government of India, so authorized by the Secretary) of the Ministry/ Department of the Government of India is empowered, after due consideration, to waive the requirement of registration for a particular item/ application or a class of items/ applications from the requirement of registration, even if included in Schedule-III. The Ministry/ Department concerned shall intimate the Department for Promotion of Industry and Internal Trade (DPIIT) and National Security Council Secretariat (NSCS) of their decision to waive the requirement of registration.

Ministries/ Departments of the Government of India are not required to consult the DPIIT/ NSCS before deciding and are only required to intimate the decision to DPIIT/ NSCS. If any point is raised by DPIIT/ NSCS, it should be considered in future procurements; ongoing procurement for which the waiver was granted need not be interrupted or altered.

Based on security considerations, a Ministry/ Department in a **Category-II sensitive sector** or other Ministries/ Departments may recommend to DPIIT inclusion of any other technology in the list of sensitive technologies, either generally or for their Ministry/ Department.

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6.0 **Sub-contracting in works contracts**

In works contracts, including turnkey contracts, Contractors shall not be allowed to sub-contract works to any Contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority. The definition of **"Contractor from a country which shares a land border with India"** shall be as given in above paragraph 4.0 v).

[Note: Procurement of raw material, components, etc. does not constitute sub-contracting.]

7.0 **Certificate regarding compliance**

Bidder shall submit a certificate of Compliance in the enclosed Form-I A/ Form-I B/ Form - II (as applicable).

This certificate shall be on the Bidder's Letter head and shall be duly signed & stamped by the authorised signatory of the Bidder.

In case at any stage, it is found that the certification given by the Bidder is false, their Bid shall be rejected and shall be liable for other penal actions like placement on Suspension/ Banning or forfeiture of EMD (if applicable). However, if this is found after order placement, this would be ground for immediate termination and further legal actions in accordance with law/provisions of Bidding Document including Suspension/Banning and forfeiture of CPBG/ Security Deposit.

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BIDDER'S UNDERTAKING

(On Company's Letter Head)

To,

M/s Engineers India Limited/ _____ (Name of the client)

Tender Name : _____

Tender No. : _____

"I have read the clause regarding restrictions on procurement from a Bidder of a country which shares a land border with India; I hereby certify that, Bidder M/s_____ (Name of the Bidder) is:

i).	Not from such a country	[ ]
ii).	If from such a country, has been registered with the Competent Authority	[ ]

Notes:

a) Bidder to tick appropriate option (√) in either i) or ii) above)

b) In case of sl. no. ii) above, Bidder to attach evidence of valid registration by the Competent Authority.

I hereby certify that the Bidder fulfills all requirements in this regard and eligible to be considered.

Place :
Date :

Signature (#):
Name :
Designation :
Seal :

(#) Undertaking shall be signed by the authorized signatory of the Bidder.

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FORM-II

BIDDER'S UNDERTAKING IN CASE OF TRANSFER OF TECHNOLOGY (ToT) ARRANGEMENT

(On Company's Letter Head)

To,

M/s Engineers India Limited/ _____ (Name of the client)

Tender Name : _____

Tender No. : _____

"I have read the clause regarding restrictions on procurement from a Bidder having Transfer of Technology (ToT) arrangement. Bidder M/s_____ (Name of the Bidder), hereby certify that,

i).	Bidder does not have any ToT arrangement requiring registration with the competent authority	[ ]
ii).	Bidder has valid registration to participate in this procurement	[ ]

Notes:

a) Bidder to tick appropriate option (√) in either i) or ii) above)

b) In case of sl. no. ii) above, Bidder to attach evidence of valid registration by the Competent Authority.

I hereby certify that the Bidder fulfills all requirements in this regard and eligible to be considered.

Place :
Date :

Signature (#):
Name :
Designation :
Seal :

(#) Undertaking shall be signed by the authorized signatory of the Bidder

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No.F.7/10/2021-PPD (1)
Government of India
Ministry of Finance
Department of Expenditure
Procurement Policy Division
264-C, North Block, New Delhi.
23.02.2023.

Order (Public Procurement No. 4)

Subject: Restrictions under Rule 144(xi) of the General Financial Rules (GFRs), 2017.

Attention is invited to Order (Public Procurement No. 1) issued vide F.6/18/2019-PPD dated 23.07.2020, Order (Public Procurement No. 2) issued vide F.6/18/2019-PPD dated 23.07.2020, Order (Public Procurement No. 3) issued vide F.6/18/2019-PPD dated 24.07.2020, Office Memorandum (OM) No. F.18/37/2020-PPD dated 08.02.2021, OM No. F.12/1/2021-PPD(Pt.) dated 02.03.2021 and OM No. F.7/10/2021-PPD dated 08.06.2021. In this regard, the following is hereby ordered under Rule 144(xi) (as amended vide OM No. F.7/10/2021-PPD dated 23.02.2023) on the grounds stated therein, in supersession to all of the above mentioned Orders/ clarifications:

Requirement of registration:

2. Any bidder from a country which shares a land border with India will be eligible to bid in any procurement whether of goods, services (including consultancy services and non-consultancy services) or works (including turnkey projects) only if the bidder is registered with the Competent Authority, specified in **Annexure I**.

3. Any bidder (including an Indian bidder) who has a Specified Transfer of Technology (ToT) arrangement with an entity from a country which shares a land border with India will be eligible to bid in any procurement whether of goods, services (including consultancy services and non-consultancy services) or works (including turnkey projects) only if the bidder is registered with the Competent Authority, specified in **Annexure I**.

4. The requirement of registration for cases covered by paragraph 2 above has been applicable since 23.07.2020. The requirement of registration for bidders covered by paragraph 3 above will be applicable for all procurements where tenders are issued/ published after 01.04.2023.

5. In tenders issued after 23.07.2020 or 01.04.2023, as the case may be, the provisions of requirement of registration of bidders and of other relevant provisions of this Order shall be incorporated in the tender conditions.

Applicability:

6. Apart from Ministries/ Departments, attached and subordinate bodies, notwithstanding anything contained in Rule 1 of the GFRs 2017, the Order shall also be applicable

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a) to all Autonomous Bodies;

b) to all public sector banks and public sector financial institutions;

c) to all Central Public Sector Enterprises;

d) to all procurement in Public Private Partnership projects receiving financial support from the Government or public sector enterprises/ undertakings; and

e) Union Territories, National Capital Territory of Delhi and all agencies/ undertakings thereof.

7. This order will not be applicable for cases falling under **Annexure II**.

Definitions:

8. "*Bidder*" for the purpose of the Order (including the term 'tenderer', 'consultant' 'vendor' or 'service provider' in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency, branch or office controlled by such person, participating in a procurement process.

9. "*Tender*" for the purpose of the Order will include other forms of procurement, except where the context requires otherwise.

10. *"Transfer of Technology"* means dissemination and transfer of all forms of commercially usable knowledge such as transfer of know-how, skills, technical expertise, designs, processes and procedures, trade secrets, which enables the acquirer of such technology to perform activities using the transferred technology independently. (Matters of interpretation of this term shall be referred to the Registration Committee constituted by the Department for Promotion of Industry and Internal Trade, and the interpretation of the Committee shall be final.)

11. *"Specified Transfer of Technology"* means a transfer of technology in the sectors and/ or technologies, specified in paragraph 15, occurring on or after 23.07.2020.

12. *"Bidder (or entity) from a country which shares a land border with India"* for the purpose of the Order means

(a) An entity incorporated, established or registered in such a country; or

(b) A subsidiary of an entity incorporated, established or registered in such a country; or

(c) An entity substantially controlled through entities incorporated, established or registered in such a country; or

(d) An entity whose beneficial owner is situated in such a country; or

(e) An Indian (or other) agent of such an entity; or

(f) A natural person who is a citizen of such a country; or

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(g) A consortium or joint venture where any member of the consortium or joint venture falls under any of the above

13. *Beneficial owner* for the purposes of Para 12 (d) will be as under:

(i) In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person(s), has a controlling ownership interest or who exercises control through other means.

Explanation:-

a. "Controlling ownership interest" means ownership of, or entitlement to, more than twenty-five per cent of shares or capital or profits of the company;

b. "Control" shall include the right to appoint the majority of the directors or to control the management or policy decisions, including by virtue of their shareholding or management rights or shareholders agreements or voting agreements;

(ii) In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership;

(iii) In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals;

(iv) Where no natural person is identified under (i) or (ii) or (iii) above, the beneficial owner is the relevant natural person who holds the position of senior managing official;

(v) In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.

14. "*Agent*" for the purpose of the Order is a person employed to do any act for another, or to represent another in dealings with third persons.

[Note:

i. A person who procures and supplies finished goods from an entity from a country which shares a land border with India will, regardless of the nature of his legal or commercial relationship with the producer of the goods, be deemed to be an Agent for the purpose of this Order.

ii. However, a bidder who only procures raw material, components etc. from an entity from a country which shares a land border with India and then manufactures or converts them into other goods will not be treated as an Agent.]

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Sensitive Sectors/ Technologies (relevant only for the provisions on ToT arrangements):

15. (i) Certain sectors and technologies have been identified as sensitive from the national security point of view. The sectors listed in Schedule I to this Order are considered Category-I sensitive sectors. The sectors listed in Schedule II to this Order are considered Category-II sensitive sectors. The technologies listed in Schedule III are considered sensitive technologies.

(ii) For Category-I sensitive sectors, bidders with ToT arrangement in any technology with an entity from a country which shares a land border with India shall require registration.

(iii) For Category-II sensitive sectors, bidders with ToT arrangement in the sensitive technologies listed in Schedule III, with an entity from a country which shares a land border with India shall require registration.

(iv) In Category-II sensitive sectors, the Secretary (or an officer not below the rank of Joint Secretary to Government of India, so authorized by the Secretary) of the Ministry/ Department of the Government of India is empowered, after due consideration, to waive the requirement of registration for a particular item/ application or a class of items/ applications from the requirement of registration, even if included in Schedule III. The Ministry/ Department concerned shall intimate the Department for Promotion of Industry and Internal Trade (DPIIT) and National Security Council Secretariat (NSCS) of their decision to waive the requirement of registration. Ministries/ Departments of the Government of India are not required to consult the DPIIT/ NSCS before deciding and are only required to intimate the decision to DPIIT/ NSCS. If any point is raised by DPIIT/ NSCS, it should be considered in future procurements; ongoing procurement for which the waiver was granted need not be interrupted or altered.

16. Based on security considerations, a Ministry/ Department in a Category II sensitive sector or other Ministries/ Departments may recommend to DPIIT inclusion of any other technology in the list of sensitive technologies, either generally or for their Ministry/ Department.

Sub-contracting in works contracts

17. In works contracts, including turnkey contracts, contractors shall not be allowed to sub-contract works to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority. The definition of "contractor from a country which shares a land border with India" shall be as in paragraph 12 above. This shall not apply to sub-contracts already awarded on or before 23.07.2020.

[Note: Procurement of raw material, components, etc. does not constitute sub-contracting.]

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Certificate regarding compliance

18. An undertaking shall be taken from bidders in the tender documents **(Annexure III)** that the extant guidelines for participation in the tenders (which should include conditions for implementation of this Order) have been complied with. If such certificate given by a bidder whose bid is accepted is found to be false, this would be a ground for debarment and further legal action in accordance with law.

Validity of registration

19. In respect of tenders, registration should be valid at the time of submission of bids and at the time of acceptance of bids. In respect of supply otherwise than by tender, registration should be valid at the time of placement of order. If the bidder was validly registered at the time of acceptance / placement of order, registration shall not be a relevant consideration during contract execution.

Government e-Marketplace (GeM)

20. GeM shall remove non-compliant entities from GeM unless/ until they are registered in accordance with this Order.

Model Clauses/ Certificates

21. Model Clauses and Model Certificates which may be inserted in tenders/ obtained from Bidders are given at Annexure-III. While adhering to the substance of the Order, procuring entities are free to appropriately modify the wording of these clauses based on their past experience, local needs etc.

23/02/2023

(Kanwalpreet)
Director(PPD)
Tel.No. 2309 3811; email: kanwal.irss@gov.in

To

1. Secretaries of all Ministries/ Departments of Government of India for information and necessary action. They are also requested to inform these provisions to all procuring entities.
2. Secretary, Department of Public Enterprises with a request to immediately reiterate these orders in respect to public enterprises.
3. Secretary, Department of Financial Services with a request to immediately reiterate these orders in respect to public sector and public sector financial institutions.
4. Secretary DPIIT with a request to take action as provided under Annexure I.
5. Chief Secretaries/ Administrators of Union Territories/ National Capital Territory of Delhi.
6. CEO/ GeM with a request to ensure implementation of this order on GeM.

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Schedule I

List of Category-I Sensitive sectors:

Sr.No.	Sector
(i)	Atomic Energy
(ii)	Broadcasting/ Print and Digital Media
(iii)	Defence
(iv)	Space
(v)	Telecommunications

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Schedule II

List of Category-II Sensitive sectors:

Sr.No.	Sector
(i)	Power and Energy (including exploration/ generation/ transmission/ distribution/ pipeline)
(ii)	Banking and Finance including Insurance
(iii)	Civil Aviation
(iv)	Construction of ports and dams & river valley projects
(v)	Electronics and Microelectronics
(vi)	Meteorology and Ocean Observation
(vii)	Mining and extraction (including deep sea projects)
(viii)	Railways
(ix)	Pharmaceuticals & Medical Devices
(x)	Agriculture
(xi)	Health
(xii)	Urban Transportation

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Schedule-III

List of Sensitive Technologies:

Sr.No.	Sensitive Technologies
(i)	Additive Manufacturing (e.g. 3D Printing)
(ii)	Any equipment having electronic programmable components or autonomous systems (e.g. SCADA systems)
(iii)	Any technology used for uploading and streaming of data including broadcasting, satellite communication etc.
(iv)	Chemical Technologies
(v)	Biotechnologies including Genetic Engineering and Biological Technologies
(vi)	Information and Communication Technologies
(vii)	Software

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ANNEXURE I

Competent Authority and Procedure for Registration

A. The Competent Authority for the purpose of registration under this order shall be/ continue to be the Registration Committee constituted by the Department for Promotion of Industry and Internal Trade (DPIIT)*. [This Committee was already constituted under Order (Public Procurement) No.1].

B. The Registration Committee shall have the following members*:

   i. An officer, not below the rank of Joint Secretary, designated for this purpose by DPIIT, who shall be the Chairman;

   ii. Officers (ordinarily not below the rank of Joint Secretary) representing the Ministry of Home Affairs, Ministry of External Affairs, and of those Departments whose sectors are covered by applications under consideration;

   iii. Any other officer whose presence is deemed necessary by the Chairman of the Committee.

   iv. With effect from 01.04.2023, an officer (ordinarily not below the rank of Joint Secretary) representing the National Security Council Secretariat.

C. DPIIT shall lay down the method of application, format etc. for such bidders as covered by the Order.

D. On receipt of an application seeking registration from a bidder covered by Para 2 and 3 of this order, the Competent Authority shall first seek political and security clearances from the Ministry of External Affairs and Ministry of Home Affairs, as per guidelines issued from time to time. Registration shall not be given unless political and security clearance have both been received.

E. The Ministry of External Affairs and Ministry of Home Affairs may issue guidelines for internal use regarding the procedure for scrutiny of such applications by them.

F. The decision of the Competent Authority, to register such bidder may be for all kinds of tenders or for a specified type(s) of goods or services, and may be for a specified or unspecified duration of time, as deemed fit. The decision of the Competent Authority shall be final.

G. Registration granted by the Competent Authority of the Government of India shall be valid not only for procurement by the Central Government and its bodies specified in para 6 of this order, but also for procurement by State Governments and their agencies/ public enterprises etc. No fresh registration at the State level shall be required.

H. The Competent Authority is empowered to cancel the registration already granted if it determines that there is sufficient cause. Such cancellation by itself, however, will

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not affect the execution of contracts already awarded. Pending cancellation, it may also suspend the registration of a bidder, and the bidder shall not be eligible to bid in any further tenders during the period of suspension.

I. For national security reasons, the Competent Authority shall not be required to give reasons for rejection/cancellation of registration of a bidder.

[*Note:

(i) In respect of application of the Order to procurement by/ under State Governments, all functions assigned to DPIIT shall be carried out by the State Government concerned through a specific department or authority designated by it. The composition of the Registration Committee shall be as decided by the State Government. However, the requirement of political and security clearance as per para D shall remain and no registration shall be granted without such clearance.

(ii) Registration granted by State Governments shall be valid only for procurement by the State Government and its agencies/ public enterprises etc. and shall not be valid for procurement in other states or by the Government of India and their agencies/ public enterprises etc.]

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Special Cases

A. In projects which receive international funding with the approval of the Department of Economic Affairs (DEA), Ministry of Finance, the procurement guidelines applicable to the project shall normally be followed, notwithstanding anything contained in this order and without reference to the Competent Authority. Exceptions to this shall be decided in consultation with DEA.

B. This order shall not apply to procurement by Indian missions and by offices of government agencies/ undertakings located outside India.

C. This order will not apply to bidders (or entities) from those countries (even if sharing a land border with India) to which the Government of India has extended lines of credit or in which the Government of India is engaged in development projects. Updated lists of countries to which lines of credit have been extended or in which development projects are undertaken are given on the website of the Ministry of External Affairs.

D. Procurement of spare parts and other essential service support like Annual Maintenance Contract (AMC)/ Comprehensive Maintenance Contract (CMC), including consumables for closed systems, from Original Equipment Manufacturers (OEMs) or their authorized agents, shall be exempted from the requirement of registration.

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ANNEXURE III

Model Clause/ Certificate/ Undertaking to be inserted in tenders etc.

[While adhering to the substance of the Order, procuring entities and GeM are free to appropriately modify the wording of the clause/ certificate based on their past experience, local needs etc.

The conditions relating to specified ToT (as shown in italics) should be incorporated only in the tenders which attract the restrictions due to specified ToT.]

A. Model Clauses for Tenders (including tenders issued manually or any electronic portal including GeM):

I. Any bidder from a country which shares a land border with India will be eligible to bid in any procurement whether of goods, services (including consultancy services and non-consultancy services) or works (including turnkey projects) only if the bidder is registered with the Competent Authority. *Further, any bidder (including bidder from India) having specified Transfer of Technology (ToT) arrangement with an entity from a country which shares a land border with India, shall also require to be registered with the same competent authority.*

II. "Bidder" (including the term 'tenderer', 'consultant' or 'service provider' in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process.

III. "Bidder (or entity) from a country which shares a land border with India" for the purpose of this Order means: -

(a) An entity incorporated, established or registered in such a country; or
(b) A subsidiary of an entity incorporated, established or registered in such a country; or
(c) An entity substantially controlled through entities incorporated, established or registered in such a country; or
(d) An entity whose beneficial owner is situated in such a country; or
(e) An Indian (or other) agent of such an entity; or
(f) A natural person who is a citizen of such a country; or
(g) A consortium or joint venture where any member of the consortium or joint venture falls under any of the above

IV. The beneficial owner for the purpose of (iii) above will be as under:

1. In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has a controlling ownership interest or who exercises control through other means.

Explanation—

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a. "Controlling ownership interest" means ownership of or entitlement to more than twenty-five per cent. of shares or capital or profits of the company;

b. "Control" shall include the right to appoint majority of the directors or to control the management or policy decisions including by virtue of their shareholding or management rights or shareholders agreements or voting agreements;

2. In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership;

3. In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals;

4. Where no natural person is identified under (1) or (2) or (3) above, the beneficial owner is the relevant natural person who holds the position of senior managing official;

5. In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.

V. An Agent is a person employed to do any act for another, or to represent another in dealings with third person.

VI. [To be inserted in tenders for Works contracts, including Turnkey contracts] The successful bidder shall not be allowed to sub-contract works to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority.

VII. The registration shall be valid at the time of submission of bid and at the time of acceptance of bid.

VIII. If the bidder was validly registered at the time of acceptance / placement of order, registration shall not be a relevant consideration during contract execution

Model Certificate for Tenders:

"I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority. I hereby certify that this bidder fulfills all requirements in this regard and is eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]"

Model Certificate for Tenders for Works involving possibility of sub-contracting:

"I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries; I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority and will not sub-contract any

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work to a contractor from such countries unless such contractor is registered with the Competent Authority. I hereby certify that this bidder fulfills all requirements in this regard and is eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]"

Model additional certificate by Bidders in the cases of specified ToT:

"I have read the clause regarding restrictions on procurement from a bidder having Transfer of Technology (ToT) arrangement. I certify that this bidder does not have any ToT arrangement requiring registration with the competent authority."

OR

"I have read the clause regarding restrictions on procurement from a bidder having Transfer of Technology (ToT) arrangement. I certify that this bidder has valid registration to participate in this procurement."

B. Model Certificate for GeM (to be taken by the GeM from seller during registration on GeM. GeM should also obtain this certificate from all existing bidders as soon as possible):

"I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this vendor/ bidder is not from such a country and does not have any specified Transfer of Technology (ToT) from such a country or, if from such a country or if having specified ToT from such a country has been registered with the Competent Authority. I hereby certify that this vendor/ bidder fulfills all requirements in this regard and is eligible to be considered for procurement on GeM. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]"

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APPENDIX II TO ITB

PUBLIC PROCUREMENT (PREFERENCE TO MAKE IN INDIA) (PPP-MII)

Annexure -1

No. P-45021/2/2017-PP (BE-II)-Part(4)Vol.II
Government of India
Ministry of Commerce and Industry
Department for Promotion of Industry and Internal Trade
(Public Procurement Section)

Vanijya Bhawan, New Delhi
Dated: 19 July,2024

To

All Central Ministries/Departments/CPSUs/All concerned

ORDER

Subject: Public Procurement (Preference to Make in India), Order 2017– Revision; regarding.

Department for Promotion of Industry and Internal Trade, in partial modification [Paras 2, 3, 5, 10 & 13] of Order No.P-45021/2/2017-B.E.-II dated 15.6.2017 as amended by Order No.P-45021/2/2017-B.E.-II dated 28.05.2018, Order No.P-45021/2/2017-B.E.-II dated 29.05.2019, Order No.P-45021/2/2017-B.E.-II dated 04.06.2020 and Order No.P-45021/2/2017-B.E.-II dated 16.09.2020 hereby issues the revised 'Public Procurement (Preference to Make in India), Order 2017" dated 19.07.2024 effective with immediate effect.

Whereas it is the policy of the Government of India to encourage 'Make in India' and promote manufacturing and production of goods and services in India with a view to enhancing income and employment, and

Whereas procurement by the Government is substantial in amount and can contribute towards this policy objective, and

Whereas local content can be increased through partnerships, cooperation with local companies, establishing production units in India or Joint Ventures (JV) with Indian suppliers, increasing the participation of local employees in services and training them,

Now therefore the following Order is issued:

1. This Order is issued pursuant to Rule 153 (iii) of the General Financial Rules 2017.
2. **Definitions**: For the purposes of this Order:
   'Local content' means the amount of value added in India which shall, unless otherwise prescribed by the Nodal Ministry, be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties) as a proportion of the total value, in percent.

   Explanatory notes for calculation of local content given above

   a. Imported items sourced locally from resellers/distributors shall be excluded from calculation of local content.
   b. The license fees/royalties paid/ technical charges paid out of India shall be excluded from local content calculation.

c. Procurement/Supply of repackaged/refurbished/rebranded imported products as understood commonly shall be treated as reselling of imported products and shall be excluded from calculation of local content. The definition of repackaged/refurbished/rebranded imported products is as follows;

'Refurbishing' means repair or reconditioning of an imported product does not amount to manufacture because no new goods come into existence.

'Repackaging' means repacking of imported goods from bulk pack to smaller packs would not ordinarily amount to manufacture of a new item.

'Rebranding' means relabeling or renaming or change in symbol or logo/makes or corporate image of a company/organization/ firm for an imported product would amount to rebranding.

d. To ensure that imported items sourced locally from resellers/distributors are excluded from calculation of local content, procuring entities to obtain from bidders, the cost of such locally-sourced imported items (Inclusive of taxes) along with break-up on license/royalties paid/technical expertise cost etc. sourced from outside India. For items sold by bidder as reseller, OEM certificate for country of origin to be submitted.

e. For contracts involving supply of multiple items, weighted average of all items to be taken while calculating the local content.

'*Class-I local supplier*' means a supplier or service provider, whose goods, services or works offered for procurement, meets the minimum local content as prescribed for 'Class-I local supplier' under this Order.

'*Class-II local supplier*' means a supplier or service provider, whose goods, services or works offered for procurement, meets the minimum local content as prescribed for 'Class-II local supplier' but less than that prescribed for 'Class-I local supplier' under this Order.

'*Non - Local supplier*' means a supplier or service provider, whose goods, services or works offered for procurement, has local content less than that prescribed for 'Class-II local supplier' under this Order.

'*L1*' means the lowest tender or lowest bid or the lowest quotation received in a tender, bidding process or other procurement solicitation as adjudged in the evaluation process as per the tender or other procurement solicitation.

'*Margin of purchase preference*' means the maximum extent to which the price quoted by a "Class-I local supplier" may be above the L1 for the purpose of purchase preference.

'*Nodal Ministry*' means the Ministry or Department identified pursuant to this order in respect of a particular item of goods or services or works.

'*Procuring entity*' means a Ministry or department or attached or subordinate office of, or autonomous body controlled by, the Government of India and includes Government companies as defined in the Companies Act.

'Works' means all works as per Rule 130 of GFR- 2017, and will also include *'turnkey works'*.

2A. *Special treatment for items covered under PLI Scheme*

The manufacturers manufacturing an item under PLI scheme shall be treated as deemed Class II local supplier for that item unless they have minimum local content equal to or higher than that notified for Class-I local supplier for that item, provided the manufacturer has received incentive from the concerned PLI Ministry for the item. The above shall be applicable for the specific time period only, as notified by concerned PLI Ministry.

3. Eligibility of 'Class-I local supplier'/ 'Class-II local supplier'/ 'Non-local suppliers' for different types of procurement

(a) In procurement of all goods, services or works in respect of which the Nodal Ministry / Department has communicated that there is sufficient local capacity and local competition, only 'Class-I local supplier', as defined under the Order, shall be eligible to bid irrespective of purchase value.

(b) Only 'Class-I local supplier' and 'Class-II local supplier', as defined under the Order, shall be eligible to bid in procurement undertaken by procuring entities, except when Global tender enquiry has been issued. In global tender enquiries, 'Non-local suppliers' shall also be eligible to bid along with 'Class-I local suppliers' and 'Class-II local suppliers'. In procurement of all goods, services or works, not covered by sub-para 3(a) above, and with estimated value of purchases less than Rs. 200 Crore, in accordance with Rule 161(iv) of GFR, 2017, Global tender enquiry shall not be issued except with the approval of competent authority as designated by Department of Expenditure.

(c) For the purpose of this Order, works includes Engineering, Procurement and Construction (EPC) contracts and services include System Integrator (SI) contracts.

3.1 Mandatory sourcing of items, with sufficient local capacity and competition, from Class-I local suppliers in SI/EPC/Turnkey Contracts/Service Tenders

a. The items, notified as having sufficient local capacity and competition, shall mandatory be sourced from Class-I local suppliers in SI/EPC/Turnkey Contracts/ Services tenders. This provision will be applicable only for those items which have been notified by the Nodal Ministry as Class I i.e. having sufficient local capacity and competition, with specific HSN codes."

b. Notwithstanding above, if in any project, it is considered that it is not practically feasible to source such items from Class I local suppliers, it may take relaxation from such stipulation with the approval of Secretary of the administrative Ministry/ Department concerned or with the approval of the Competent Authority specified by the Administrative Ministry/Department, on case-specific basis.

3A. Purchase Preference

(a) Subject to the provisions of this Order and to any specific instructions issued by the Nodal Ministry or in pursuance of this Order, purchase preference shall be given to 'Class-I local supplier' in procurement undertaken by procuring entities in the manner specified here under.

(b) In the procurement of goods or works, which are covered by para 3(b)

above and which are divisible in nature, the 'Class-I local supplier' shall get purchase preference over 'Class-II local supplier' as well as 'Non-local supplier', as per following procedure:

i. Among all qualified bids, the lowest bid will be termed as L1. If L1 is 'Class-I local supplier', the contract for full quantity will be awarded to L1.
ii. If L1 bid is not a 'Class-I local supplier', 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the 'Class-I local supplier' will be invited to match the L1 price for the remaining 50% quantity subject to the Class-I local supplier's quoted price falling within the margin of purchase preference, and contract for that quantity shall be awarded to such 'Class-I local supplier' subject to matching the L1 price. In case such lowest eligible 'Class-I local supplier' fails to match the L1 price or accepts less than the offered quantity, the next higher 'Class-I local supplier' within the margin of purchase preference shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In case some quantity is still left uncovered on Class-I local suppliers, then such balance quantity may also be ordered on the L1 bidder.

(c) In the procurement of goods or works, which are covered by para 3(b) above and which are not divisible in nature, and in procurement of services where the bid is evaluated on price alone, the 'Class-I local supplier' shall get purchase preference over 'Class-II local supplier' as well as 'Non-local supplier', as per following procedure:

i. Among all qualified bids, the lowest bid will be termed as L1. If L1 is Class -I local supplier', the contract will be awarded to L1.
ii. If L1 is not 'Class-I local supplier', the lowest bidder among the 'Class-I local supplier', will be invited to match the L1 price subject to Class-I local supplier's quoted price falling within the margin of purchase preference, and the contract shall be awarded to such 'Class-I local supplier' subject to matching the L1 price.
iii. In case such lowest eligible 'Class-I local supplier' fails to match the L1 price, the 'Class-I local supplier' with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the 'Class-I local supplier' within the margin of purchase preference matches the L1 price, the contract may be awarded to the L1 bidder.

(d) "Class-II local supplier" will not get purchase preference in any procurement, undertaken by procuring entities.

3B. Applicability in tenders where contract is to be awarded to multiple bidders- In tenders where contract is awarded to multiple bidders subject to matching of L1 rates or otherwise, the 'Class-I local supplier' shall get purchase preference over 'Class-II local supplier' as well as 'Non-local supplier', as per following procedure:

a. In case there is sufficient local capacity and competition for the item to be procured, as notified by the nodal Ministry, only Class I local suppliers shall be eligible to bid. As such, the multiple suppliers, who would be awarded the contract, should be all and only 'Class I Local suppliers'.
b. In other cases, 'Class II local suppliers' and 'Non local suppliers' may also participate in the bidding process along with 'Class I Local suppliers' as per provisions of this Order.
c. If 'Class I Local suppliers' qualify for award of contract for at least

50% of the tendered quantity in any tender, the contract may be awarded to all the qualified bidders as per award criteria stipulated in the bid documents. However, in case 'Class I Local suppliers' do not qualify for award of contract for at least 50% of the tendered quantity, purchase preference should be given to the 'Class I local supplier' over 'Class II local suppliers'/ 'Non local suppliers' provided that their quoted rate falls within 20% margin of purchase preference of the highest quoted bidder considered for award of contract so as to ensure that the 'Class I Local suppliers' taken in totality are considered for award of contract for at least 50% of the tendered quantity.

d. First purchase preference has to be given to the lowest quoting 'Class-I local supplier', whose quoted rates fall within 20% margin of purchase preference, subject to its meeting the prescribed criteria for award of contract as also the constraint of maximum quantity that can be sourced from any single supplier. If the lowest quoting 'Class-I local supplier', does not qualify for purchase preference because of aforesaid constraints or does not accept the offered quantity, an opportunity may be given to next higher 'Class-I local supplier', falling within 20% margin of purchase preference, and so on.

e. To avoid any ambiguity during bid evaluation process, the procuring entities may stipulate its own tender specific criteria for award of contract amongst different bidders including the procedure for purchase preference to 'Class-I local supplier' within the broad policy guidelines stipulated in sub- paras above.

4. **Exemption of small purchases:** Notwithstanding anything contained in paragraph 3, procurement where the estimated value to be procured is less than Rs. 5 lakhs shall be exempt from this Order. However, it shall be ensured by procuring entities that procurement is not split for the purpose of avoiding the provisions of this Order.

4A. Exemption in sourcing of spares and consumables of closed systems:

Procurement of spare parts, consumables for closed systems and Maintenance/ Service contracts with Original Equipment Manufacturer/Original Equipment Supplier/Original Part Manufacturer shall be exempted from this Order.

5. **Minimum local content:** The 'local content' requirement to categorize a supplier as 'Class-I local supplier' is minimum 50%. For 'Class-II local supplier', the 'local content' requirement is minimum 20%. Nodal Ministry/ Department may prescribe only a higher percentage of minimum local content requirement to categorize a supplier as 'Class-I local supplier'/ 'Class- II local supplier'. For the items, for which Nodal Ministry/ Department has not prescribed higher minimum local content notification under the Order, it shall be 50% and 20% for 'Class-I local supplier'/ 'Class-II local supplier' respectively.

6. **Margin of Purchase Preference:** The margin of purchase preference shall be 20%.

7. **Requirement for specification in advance:** The minimum local content, the margin of purchase preference and the procedure for preference to Make in India shall be specified in the notice inviting tenders or other form of procurement solicitation and shall not be varied during a particular procurement transaction.

8. **Government E-marketplace:** In respect of procurement through the Government E-marketplace (GeM) shall, as far as possible, specifically mark the items which meet the minimum local content while registering the item for

display, and shall, wherever feasible, make provision for automated comparison with purchase preference and without purchase preference and for obtaining consent of the local supplier in those cases where purchase preference is to be exercised.

9. **Verification of local content:**

a. The 'Class-I local supplier'/ 'Class-II local supplier' at the time of tender, bidding or solicitation shall be required to indicate percentage of local content and provide self-certification that the item offered meets the local content requirement for 'Class-I local supplier'/ 'Class-II local supplier', as the case may be. They shall also give details of the location(s) at which the local value addition is made.

b. In cases of procurement for a value in excess of Rs. 10 crores, the 'Class-I local supplier'/ 'Class-II local supplier' shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.

c. The bidder shall give self-certification for local content in the quoted item (goods/works/services) at the time of tendering. However, at the time of execution of the project, for all contracts above INR 10 Crore, the contractor/ supplier shall be required to give local content certification duly certified by cost/ chartered accountant in practice. For cases where it is not possible to provide certification by Cost/Chartered Accountant at the time of execution of project, the supplier shall be permitted to provide the certificate for local content from Cost/ Chartered Accountant after completion of the contract, within time limit acceptable to the procuring entity. In case the contractor/ supplier does not meet the stipulated local content requirement and the category of the supplier changes from Class-I to Class-II/ Non-local or from Class-II to Non-local, a penalty upto 10% of the contract value may be imposed. However, contract once awarded shall not be terminated on this account.

d. Decisions on complaints relating to implementation of this Order shall be taken by the competent authority which is empowered to look into procurement-related complaints relating to the procuring entity.

e. Nodal Ministries may constitute committees with internal and external experts for independent verification of self-declarations and auditor's/ accountant's certificates on random basis and in the case of complaints.

f. Nodal Ministries and procuring entities may prescribe fees for such complaints.

g. False declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.

h. A supplier who has been debarred by any procuring entity for violation of this Order shall not be eligible for preference under this Order for procurement by any other procuring entity for the duration of the debarment. The debarment for such other procuring entities shall take effect prospectively from the date on which it comes to the notice of other procurement entities, in the manner prescribed under paragraph 9

i below.

i. The Department of Expenditure shall issue suitable instructions for the effective and smooth operation of this process, so that:
   i. The fact and duration of debarment for violation of this Order by any procuring entity are promptly brought to the notice of the Member-Convenor of the Standing Committee and the Department of Expenditure through the concerned Ministry /Department or in some other manner;
   ii. On a periodical basis such cases are consolidated and a centralized list or decentralized lists of such suppliers with the period of debarment is maintained and displayed on website(s);
   iii. In respect of procuring entities other than the one which has carried out the debarment, the debarment takes effect prospectively from the date of uploading on the website(s) in the such a manner that ongoing procurement are not disrupted.

10. **Specifications in Tenders and other procurement solicitations:**
   a. Every procuring entity shall ensure that the eligibility conditions in respect of previous experience fixed in any tender or solicitation do not require proof of supply in other countries or proof of exports.
   b. Procuring entities shall endeavour to see that eligibility conditions, including on matters like turnover, production capability and financial strength do not result in unreasonable exclusion of 'Class-I local supplier'/ 'Class-II local supplier' who would otherwise be eligible, beyond what is essential for ensuring quality or creditworthiness of the supplier.
   c. Procuring entities shall, within 2 months of the issue of this Order review all existing eligibility norms and conditions with reference to sub-paragraphs 'a' and 'b' above.
   d. **Reciprocity Clause**
      i. When a Nodal Ministry/Department identifies that Indian suppliers of an item are not allowed to participate and/ or compete in procurement by any foreign government, due to restrictive tender conditions which have direct or indirect effect of barring Indian companies such as registration in the procuring country, execution of projects of specific value in the procuring country etc., it shall provide such details to all its procuring entities including CMDs/CEOs of PSEs/PSUs, State Governments and other procurement agencies under their administrative control and GeM for appropriate reciprocal action.
      ii. Entities of countries which have been identified by the nodal Ministry/Department as not allowing Indian companies to participate in their Government procurement for any item related to that nodal Ministry shall not be allowed to participate in Government procurement in India for all items related to that nodal Ministry/ Department, except for the list of items published by the Ministry/ Department permitting their participation.
      iii. The stipulation in (ii) above shall be part of all tenders invited by the Central Government procuring entities stated in (i) above. All purchases on GeM shall also necessarily have the above provisions for items identified by nodal Ministry/ Department.
      iv. State Governments should be encouraged to incorporate similar provisions in their respective tenders.
      v. The term 'entity' of a country shall have the same meaning as under the FDI Policy of DPIIT as amended from time to time.
   e. Specifying foreign certifications/ unreasonable technical specifications/

brands/ models in the bid document is restrictive and discriminatory practice against local suppliers. If foreign certification is required to be stipulated because of non-availability of Indian Standards and/or for any other reason, the same shall be done only after written approval of Secretary of the Department concerned or any other Authority having been designated such power by the Secretary of the Department concerned.

f. "All administrative Ministries/Departments *whose procurement exceeds Rs. 1000 Crore per annum* shall notify/update their procurement projections every year, including those of the PSEs/PSUs, for the next 5 years on their respective website."

10A. Action for non-compliance of the Provisions of the Order: In case restrictive or discriminatory conditions against domestic suppliers are included in bid documents, an inquiry shall be conducted by the Administrative Department undertaking the procurement (including procurement by any entity under its administrative control) to fix responsibility for the same. Thereafter, appropriate action, administrative or otherwise, shall be taken against erring officials of procurement entities under relevant provisions. Intimation on all such actions shall be sent to the Standing Committee.

11. **Assessment of supply base by Nodal Ministries:** The Nodal Ministry shall keep in view the domestic manufacturing / supply base and assess the available capacity and the extent of local competition while identifying items and prescribing the higher minimum local content or the manner of its calculation, with a view to avoiding cost increase from the operation of this Order.

12. **Increase in minimum local content:** The Nodal Ministry may annually review the local content requirements with a view to increasing them, subject to availability of sufficient local competition with adequate quality.

13. **Manufacture under license/ technology collaboration agreements with phased indigenization:** While notifying the minimum local content, Nodal Ministries may make special provisions for exempting suppliers from meeting the stipulated local content if the product is being manufactured in India under a license from a foreign manufacturer who holds intellectual property rights and where there is a technology collaboration agreement / transfer of technology agreement for indigenous manufacture of a product developed abroad with clear phasing of increase in local content.

13A. In procurement of all goods, services or works in respect of which there is substantial quantity of public procurement and for which the nodal ministry has not notified that there is sufficient local capacity and local competition, the concerned nodal ministry shall notify an upper threshold value of procurement beyond which foreign companies shall enter into a joint venture with an Indian company to participate in the tender. Procuring entities, while procuring such items beyond the notified threshold value, shall prescribe in their respective tenders that foreign companies may enter into a joint venture with an Indian company to participate in the tender. The procuring Ministries/Departments shall also make special provisions for exempting such joint ventures from meeting the stipulated minimum local content requirement, which shall be increased in a phased manner.

14. **Powers to grant exemption and to reduce minimum local content:** The administrative Department undertaking the procurement (including

procurement by any entity under its administrative control), with the approval of their Minister-in-charge, may by written order, for reasons to be recorded in writing,

a. reduce the minimum local content below the prescribed level; or
b. reduce the margin of purchase preference below 20%; or
c. exempt any particular item or supplying entities from the operation of this Order or any part of the Order.

The Administrative Department, while seeking exemption under this para, shall certify that such an item(s) has not been notified by Nodal Ministry/ Department concerned under para 3 (a) of the Order.

A copy of every such order shall be provided to the Standing Committee and concerned Nodal Ministry / Department. The Nodal Ministry / Department concerned will continue to have the power to vary its notification on Minimum Local Content.

15. **Directions to Government companies:** In respect of Government companies and other procuring entities not governed by the General Financial Rules, the administrative Ministry or Department shall issue policy directions requiring compliance with this Order.
16. **Standing Committee:** A standing committee is hereby constituted with the following membership:
Secretary, Department for Promotion of Industry and Internal Trade - Chairman
Secretary, Commerce—Member
Secretary, Ministry of Electronics and Information Technology—Member Joint Secretary (Public Procurement), Department of Expenditure—Member Joint Secretary (DPIIT)—Member-Convenor

The Secretary of the Department concerned with a particular item shall be a member in respect of issues relating to such item. The Chairman of the Committee may co-opt technical experts as relevant to any issue or class of issues under its consideration.

17. **Functions of the Standing Committee:** The Standing Committee shall meet as often as necessary, but not less than once in six months. The Committee

a. shall oversee the implementation of this order and issues arising therefrom, and make recommendations to Nodal Ministries and procuring entities.
b. shall annually assess and periodically monitor compliance with this Order
c. shall identify Nodal Ministries and the allocation of items among them for issue of notifications on minimum local content
d. may require furnishing of details or returns regarding compliance with this Order and related matters
e. may, during the annual review or otherwise, assess issues, if any, where it is felt that the manner of implementation of the order results in any restrictive practices, cartelization or increase in public expenditure and suggest remedial measures
f. may examine cases covered by paragraph 13 above relating to manufacture under license/ technology transfer agreements with a view to satisfying itself that adequate mechanisms exist for enforcement of such agreements and for attaining the underlying objective of progressive indigenization

g. may consider any other issue relating to this Order which may arise.

18. **Removal of difficulties**: Ministries /Departments and the Boards of Directors of Government companies may issue such clarifications and instructions as may be necessary for the removal of any difficulties arising in the implementation of this Order.

19. **Ministries having existing policies**: Where any Ministry or Department has its own policy for preference to local content approved by the Cabinet after 1st January 2015, such policies will prevail over the provisions of this Order. All other existing orders on preference to local content shall be reviewed by the Nodal Ministries and revised as needed to conform to this Order, within two months of the issue of this Order.

20. **Transitional provision**: This Order shall not apply to any tender or procurement for which notice inviting tender or other form of procurement solicitation has been issued before the issue of this Order.

19/2/24

(Himani Pande)
Additional Secretary to the Government of India
Tel: 011-23038888
E-mail: ashp.dpiit@gov.in

Annexure-2(Rev)

FORM – 2

SELF CERTIFICATION BY BIDDER UNDER PPP-MII ORDER, 2017

To

M/s _____ <Insert name of Client>

NAME OF WORK / ITEM:

TENDER /RFQ NO. :

Dear Sir,

We, M/s _____ *<Name of Bidder>* hereby confirm that we meet the mandatory minimum requirement of Local Content (LC) for **Class-I local supplier / Class-II local supplier** *(strike out which is not applicable)* under Public Procurement (Preference to Make in India), Order 2017 (PPP-MII, 2017) and the work / Item shall have **LC of** _____**%.**

The details of the location(s) at which the local value addition is/shall be made, is/ areas under:

.....
.....
.....

We confirm compliance of Public Procurement (Preference to Make in India) (PPP-MII) Order 2017, vide Order No P-45021/2/2017-PP(BE-II)-Part-4)Vol.II and its subsequent Amendments.

We also confirm that, the imported items sourced locally from resellers/distributors are excluded from calculation of local content. The cost of such locally sourced imported items (inclusive of taxes) along with break up on license/royalties paid/technical expertise etc. sourced from outside India shall be submitted at the time of execution as per Form-2A.

We further confirm that in case we fail to meet the minimum local content/domestic value addition, the same shall be treated as false information and Owner reserves the right to take appropriate action for debarment, Penalty after award etc. as per provision of the PPP-MII Order, 2017 and its subsequent Amendments and as more specifically mentioned in the Bidding/ RFQ document.

We also confirm that we are not debarred by any other procuring entity (GOI/PSU/PSE etc.)
or

Our debarment period is completed as on _____ <insert date>, and as such we are eligible to avail purchase preference under this Order.
(## Strike out which is not applicable)

_____
Signature of Bidder

Place:

Name :

Date:

Designation

Seal :

FORM-2A

DETAILS OF IMPORTED COMPONENTS SOURCED FROM RESELLERS/DISTRIBUTORS EXCLUDED UNDER LOCAL CONTENT

RFQ/TENDER No:

ITEM/WORKS DESCRIPTION:

S. No	Cost component	Cost in INR (Refer Note-2)
a.	Locally-sourced imported items from resellers/distributors (inclusive of taxes)	i. ii. iii. iv.
b.	License/Royalties paid/ Technical Expertise cost etc. for the items sourced from outside India i. License ii. Royalties Paid iii. Technical Expertise Cost iv. other	i. ii. iii. iv.
DETAILS OF ITEMS SOLD BY BIDDER AS RESELLER		
c.	Details of Items	OEM Certificate for country of origin
	i. ii. iii. iv.	i. ii. iii. iv.

Note –

1. For contracts involving supply of multiple items, weighted average of all items to be taken while calculating the local content.
2. As regards cases where currency for above is other than Indian Rupee, exchange rate prevailing on the Bid Due Date shall be considered for the calculation of Local Content.
3. Bidder to enclose OEM Certificate for country of origin as specified in S. No (c) above.

Signature of Bidder

Place:

Name :

Date:

Designation

Seal :

ANNEXURE-3

FORM – 3

(FOR CLASS-I LOCAL SUPPLIER/ CLASS-II LOCAL SUPPLIER HAVING VALUE OF PROCUREMENT MORE THAN INR 10 CRORE)

CERTIFICATE UNDER PPP-MII ORDER, 2017 TOWARDS MANDATORY MINIMUM LOCAL CONTENT

To

M/s _____ <Insert name of Client>

NAME OF WORK / ITEM:

TENDER /RFQ NO.:

Dear Sir,

We, _____, the Statutory Auditor or Cost Auditor of the Company (in case of Companies) or are a practicing Cost Accountant or practicing Chartered Accountant (in respect of supplier other than companies) of M/s. _____ *<Name of Bidder>*, hereby certify that as per definition specified in above policy, M/s. _____ *<Name of Bidder>* is a Class-I Local Supplier / Class-II Local Supplier <as applicable>

We further confirm that M/s _____ *<Name of Bidder>* meet the mandatory minimum Local content requirement specified for Class-I Local supplier/ Class-II Local supplier <as applicable> under Policy for Public Procurement (Preference to Make in India), Order 2017 (PPP-MII) for their offer for the abovementioned Work/ Item and shall have local content of _____% .

The details of the location(s) at which the local value addition is/shall be made, is/ areas under:

……

……

We confirm compliance of Public Procurement (Preference to Make in India) (PPP-MII) Order 2017, vide Order No P-45021/2/2017-PP(BE-II)-Part-4)Vol.II and its subsequent Amendments.

We also confirm that, the imported items sourced locally from resellers/distributors are excluded from calculation of local content. The cost of such locally sourced imported items (inclusive of taxes) along with break up on license/royalties paid/technical expertise etc. sourced from outside India is enclosed as Form-3A.

We also confirm that M/s _____ <Name of Bidder> is not debarred by any other procuring entity (GOI/PSU/PSE etc.).

OR

M/s _____<Name of Bidder>'s debarment period is completed as on _____<insert date>, and as such M/s _____ <Name of Bidder> is eligible to availed purchase preference under this Order.

(Strike out which is not applicable)

_____

Signature of certificate issuing authority

Place:

Name :

Date:

Name of Audit Firm:

Designation

Seal :

FORM-3A

DETAILS OF IMPORTED COMPONENTS SOURCED FROM RESELLERS/DISTRIBUTORS EXCLUDED UNDER LOCAL CONTENT

RFQ/TENDER No:

ITEM/WORKS DESCRIPTION:

S. No	Cost component	Cost in INR (Refer Note-2)
a.	Locally-sourced imported items from resellers/distributors (inclusive of taxes)	i. ii. iii.
b.	License/Royalties paid/ Technical Expertise cost etc. for the items sourced from outside India i. License ii. Royalties Paid iii. Technical Expertise Cost iv. other	i. ii. iii. iv.
DETAILS OF ITEMS SOLD BY BIDDER AS RESELLER		
c.	Details of Items	OEM Certificate for country of origin
	i. ii. iii.	i. ii. iii.

Note –

1. For contracts involving supply of multiple items, weighted average of all items to be taken while calculating the local content.
2. As regards cases where currency for above is other than Indian Rupee, exchange rate prevailing on the Bid Due Date shall be considered for the calculation of Local Content.
3. Bidder to enclose OEM.Certificate for country of origin as specified in S. No (c) above.
4. The above formats are indicative, the statutory auditor/Cost auditor/Chartered Accountant/ Cost Accountant can modify the format without changing the intent of certification.

_____

Signature of certificate issuing authority

Place:

Name:

Date:

Name of Audit Firm:

Designation

Seal:

No.F.1/4/2021-PPD
Government of India
Ministry of Finance
Department of Expenditure
Public Procurement Division
*****

264-C, North Block, New Delhi.
18.05.2023.

OFFICE MEMORANDUM

Subject: Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017.

The undersigned is directed to refer two Preferential Procurement Orders mandated for the Public Procurement in India, namely:

i. Public Procurement Policy for Micro and Small Enterprises (MSEs) Order dated 23.03.2012 (PPP-MSE Order) issued by Ministry of Micro, Small and Medium Enterprises (MoMSME) in exercise of the powers conferred in Section 11 of the MSME Development Act, 2006. (Last revised on 09.11.2018)

ii. Public Procurement (Preference to Make in India) Order, 2017 (PPP-MII order), under Rule 153(iii) of the General Financial Rules (GFRs) 2017, approved by the Cabinet. Implementation of this PPP-MII order is monitored by Department for Promotion of Industry and Internal Trade (DPIIT). (Last revised on 16.09.2020.)

2. It has been brought to the notice of this Department that concurrent application of these two orders are creating confusion to the procuring entities and different procuring entities interpret them differently. In order to bring predictability both to the procuring entities as well as bidders, following guidelines are being issued.

Guidelines

3. The Class-I local suppliers, under PPP-MII Order, participating in any government tender, may or may not be MSEs, as defined under the MSME Act. Similarly, MSEs participating in any government tender, may or may not be Class-I local suppliers. Suppliers may be categorised in following four broad categories for consideration or applicability of purchase preference:

Category	Terminology
Supplier is both MSE & Class-I local supplier.	"MSE Class-I local supplier"
Supplier is MSE but not Class-I local supplier.	"MSE but non-Class-I local supplier"
Supplier is not MSE but is Class-I local supplier.	"Non-MSE but Class-I local supplier"
Supplier is neither MSE nor Class-I local.	"Non-MSE non-Class-I local supplier"

4. The applicability of PPP-MSE Order and PPP-MII Order in various scenarios, involving simultaneous purchase preference to MSEs and Class-I local suppliers under PPP-MSE Order and PPP-MII Order respectively, shall be as under:

a) *Items covered under Para 3(a) of PPP- MII Order, 2017 for which Nodal Ministry has notified sufficient local capacity and competition:* For these items, only Class-I local suppliers are eligible to bid irrespective of purchase value. Hence, Class-II local suppliers or Non-local suppliers, including MSEs which are Class-II local suppliers/ Non-local suppliers, are not eligible to bid. Possible scenarios can be as under:

(i) L-1 is "MSE Class-I local supplier" - 100% of the tendered quantity is to be awarded to L-1.

(ii) L-1 is "Non-MSE but Class-I local supplier" - Purchase preference is given to MSEs as per PPP-MSE Order. Balance quantity is to be awarded to the L-1 bidder.

b) *Items reserved exclusively for procurement from MSEs as per PPP-MSE Order:* These items are reserved exclusively for purchase from MSEs. Hence, non-MSEs are not eligible to bid for these items. Possible scenarios can be as under:

(i) L-1 is "MSE Class-I local supplier" - 100% of the tendered quantity is to be awarded to L-1.

(ii) L-1 is "MSE non-Class–I local supplier" - Purchase preference is to be given to Class-I local supplier as per PPP-MII Order. Balance quantity, is to be awarded to L-1 bidder.

c) *If items are neither notified for sufficient local capacity nor reserved for MSEs, then the process will be as follows:*

c (a) Items covered under Para 3A(b) of PPP-MII Order are divisible items and both MSEs as well as Class-I local suppliers are eligible for purchase preference. Possible scenarios can be as under:

(i) L-1 is "MSE Class-I local supplier" - 100% of the tendered quantity is to be awarded to L-1.

(ii) L-1 is "Non-MSE but Class-I local supplier" - Purchase preference is to be given to MSEs, if eligible, as per PPP-MSE Order. Balance quantity is to be awarded to L-1 bidder.

(iii) L-1 is "MSE but non-Class-I local supplier" - Purchase preference is to be given to Class-I local suppliers, if eligible, as per PPP-MII Order. Balance quantity is to be awarded to L-1 bidder.

(iv) L-1 is "Non-MSE non-Class-I local supplier" - Purchase preference is to be given to MSEs as per PPP-MSE Order. Thereafter, purchase preference is to be given to Class-I local suppliers for "50% of the tendered quantity minus quantity allotted to MSEs

above" as per PPP- MII Order. For the balance quantity, contract is to be awarded to L-1 bidder. *(Kindly refer to the illustrative example in the annexure).*

c (b) Items covered under Para 3A(c) of PPP-MII Order, 2017 are non-divisible items and both MSEs as well as Class-I local suppliers are eligible for purchase preference. Possible scenarios can be as under:

(i) L-1 is "MSE Class-I local supplier" - Contract is awarded to L-1.

(ii) L-1 is not "MSE Class-I local supplier" but the "MSE Class-I local supplier" falls within 15% margin of purchase preference - Purchase preference is to be given to lowest quoting "MSE Class-I local supplier". If lowest quoting "MSE Class-I local supplier" does not accept the L-1 rates, the next higher "MSE Class-I local supplier" falling within 15% margin of purchase preference is to be given purchase preference and so on.

(iii) If conditions mentioned in sub paras (i) and (ii) above are not met i.e. L-1 is neither "MSE Class-I local supplier" nor "MSE Class-I local supplier" is eligible to take benefit of purchase preference, the contract is to be awarded/ purchase preference to be given in different possible scenarios as under:

A. L1 is "MSE but non-Class-I local supplier" or "Non-MSE but Class-I local supplier" – Contract is be awarded to L1.

B. L1 is "Non-MSE non-Class-I local supplier" - First purchase preference to be given to MSE as per PPP-MSE Order. If MSE not eligible/ does not accept - purchase preference to be given to Class- I Local supplier as per PPP-MII Order. If Class-I Local supplier also not eligible/ does not accept – contract to be awarded to L-1.

d) *Items reserved for both MSEs and Class-I local suppliers*: These items are reserved exclusively for purchase from MSEs as well as Class-I local suppliers. Hence, only "MSE Class-I local supplier" are eligible to bid for these items. Non-MSEs/Class-II local suppliers/ Non-local suppliers cannot bid for these items. Hence the question of purchase preference does not arise.

e) Non-local suppliers, including MSEs falling in the category of Non-local suppliers, shall be eligible to bid only against Global Tender Enquiry.

18/5/2023

(Kanwalpreet)
Director
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To

1. Secretaries of all Central Government Ministries/ Departments.
2. Secretary Department of Public Enterprises with a request for issuing suitable instructions to all Central Public Sector Enterprises in this regard.

Annexure

Example explaining applicability in scenario explained in para 4 c (a)(iv)

(Scenario: Divisible items, both MSEs as well as Class-I local suppliers eligible for purchase preference and L-1 is "Non-MSE non-Class-I local supplier")

Item – Desktop computer

Qty – 50 Nos.

Details of bids received

Sr. No.	Name of bidder	Rates quoted	Price Ranking	Status of bidder
1.	A	100	L1	"Non-MSE non- Class-I local supplier"
2.	B	110	L2	"Non-MSE but Class-I local supplier"
3.	C	112	L3	"MSE but non- Class-I local supplier"
4.	D	115	L4	"Non-MSE but Class-I local supplier"
5.	E	118	L5	"MSE but non- Class-I local supplier"
6.	F	120	L6	"MSE Class-I local supplier"

1. In this case, first purchase preference is to be given to MSEs as per PPP-MSE Order for 25% of tendered quantity of 50 Nos. i.e. 12.5 Nos. (rounded off to the next whole number say 13 Nos). Accordingly, invite L3 (bidder C), whose quoted rates falls within 15% margin of purchase preference to match L1 price i.e. Rs. 100/- for quantity of 13 Nos. Bidder "E" and "F", although MSEs, will not get purchase preference since their quoted rates don't fall within 15% margin of purchase preference. Bidder C will be considered for order of 13 Nos. on confirmation of reduction of price.

2. For 50% of balance quantity of 37 number (tendered quantity of 50 – 13 awarded to bidder C; assuming bidder C has confirmed to accept L1 rates), purchase preference will be given to lowest Class-I local supplier as per PPP-MII Order. Accordingly, bidder B will be invited to match L-1 price for 50% of 37 Nos i.e. 18.5 (say 19 Nos of computers). If bidder "B" does not accept the L1 price i.e. price of Rs. 100/- per unit, next higher Class-I local supplier falling within 20% margin of purchase preference, i.e. bidder "D", may be invited to match L-1 price for 19 Nos. of computers and so on.

3. For remaining quantity i.e. 18 Nos (50-13-19), the contract will be awarded to lowest quoting bidder i.e. Bidder "A", who is L-1 in the example.

***

APPENDIX-III TO ITB

EVALUATION CRITERIA FOR COMPARISON OF BIDS

&

COMMERCIAL LOADING OF OFFERS IN CASE OF DEVIATIONS

Appendix-III

EVALUATION CRITERIA FOR COMPARISON OF BIDS

1.1 **Where only Indian Bids are under comparison**

* Bids shall be evaluated on the basis of net effective price i.e. landed cost at Site i.e. supply, transportation, site work, supervision, Hazop, Training, PWAMC etc, as applicable minus Set off benefit available to BPCL
* If a supplier does not quote freight charges, his supply price shall be considered as inclusive of Freight Charges including GST.

1.2 **Where only Foreign Bids are under comparison**

- Bids shall be evaluated on CFR basis considering firm freight as-quoted by bidders. Additionally, the following shall also be considered i.e. site work, supervision, Hazop, Training, PWAMC etc as applicable.

1.3 **Where Indian as well as Foreign Bids are under comparison**

Domestic Bidders:

- Bids shall be evaluated on the basis of net effective price i.e. landed cost at Site i.e. supply, transportation, site work, supervision, Hazop, Training, PWAMC etc, as applicable minus Set off benefit available to BPCL
- Notional loading towards EIL inspection charges @1% of FOT Dispatch point price), shall be considered.
- If a supplier does not quote freight charges, his supply price shall be considered as inclusive of Freight Charges including GST.

Foreign Bidders:

- Bids shall be evaluated on the basis of landed cost at Site including the charges of inspection by third party inspection agency, all duties, taxes and transportation charges as under less input tax credit available to BPCL on GST (of applicable):

Sl. No.	Head	Basis
1	F.O.B. Price	As quoted by the bidder (including stowage charges in case of pipes*) and including Third Party Inspection charges. * Stowage charges, if not included in the quoted FOB Price, the same shall be loaded @ 10% of freight quoted by the bidder.
2	Add Ocean freight:	Firm freight as quoted by bidders,
3	Add Marine insurance	@1% of FOB price
4	Add Customs Duty	Prevailing rate on CIF value

Sl. No.	Head	Basis
5	Add Port handling charges	@ 2% of CIF value.
6	Add Inland freight charges from Port of Entry in India to project site(s)	@1 % of CIF value
7	Add L/c Charges	@ 1% of FOB Price
8	Commercial Loadings, If any.	On FOB value
9	Less – Input Tax Credit (ITC)	Input tax credit of IGST, as applicable
10	**FOT SITE PRICE**	**Sum (1 to 8) - less (9)**

Wherever offer of Foreign Bidders includes supplies/services sourced within India, such supplies/services shall be evaluated in accordance with provisions mentioned for domestic bidders under Sl. No. 1.3 above

GENERAL :

1.4 Any special dispensation to customs duty like multilateral/bi-lateral trade agreements between countries as furnished by bidder in their bid shall be taken care provided the details w.r.t. applicability alongwith supporting document has been submitted.

1.5 Cost of Mandatory spares if identified in the Material Requisition, commissioning spares and special tools and tackles will be considered for price evaluation of bids.

1.6 Costs of Spares for two years normal operation and maintenance and unit rates for addition / deletion shall not be considered for evaluation.

1.7 If a foreign bidder does not quote ocean freight charges and does not accept the ocean freight in his scope, offer of such bidder shall be rejected.

1.8 Commercial loading shall be done on FOT dispatch Point /FOB price, (wherever applicable as per Enquiry Document))

1.9 Technical Loading if applicable as per MR shall be considered for evaluation.

1.10 No. of mandays towards per diem services shall be as mentioned in BoQ / Price schedule.

1.11 <u>Taxes/Duties (For Indian bidders / Indian sourced components/services by foreign bidder):</u>

i. Taxes and duties will be loaded as applicable. In case bidder does not furnish rate of GST or mention wrong rate of GST, clarifications shall be sought from the bidder.

However even after clarifications, if a bidder does not furnish the correct rate of GST, bid shall be evaluated with highest of the rate quoted by other bidders and same shall be considered for ordering.

Wherever bidder has mentioned the HSN/ SAC code quoted, rate corresponding to HSN/ SAC code shall be considered

However, payment of GST shall be made at actual. In case actual GST rate is more than the rate indicated in PO the excess GST amount shall be deducted from the base price, provided the increase in the rate of GST is not due to statutory variation.

ii. Any wrong interpretation in rate of custom duties shall be on bidder's account. However, if actual rate is less than the quoted rate of custom duties, differential amount shall be passed on to the owner / shall be recovered from the supplier's invoices.

1.12 Any special dispensation to customs duty like multilateral/bi-lateral trade agreements between countries as furnished by bidder in their bid shall be considered for evaluation provided the details w.r.t. applicability alongwith supporting document has been submitted.

1.13 Evaluation shall be done based on value in INR as per conversion rate published by RBI reference rate as on the date of price bid opening. If RBI reference rate is not available for the date of Price Bid opening, the latest available rates of RBI shall be considered for Price Bid Evaluation.

In the absence of RBI reference rate, SBI TT Sell (Telegraphic Transfer) reference rate on the date of price bid opening or the latest available will be considered. In absence of RBI reference rate, SBI TT reference rate, the conversion Rate shall be taken from the Internet such as:

https://www.xe.com/currencyconverter
https://www.oanda.com/currency/converter
https://economictimes.indiatimes.com/markets/forex/currency-converter

Appendix-III

COMMERCIAL LOADING OF OFFERS IN CASE OF DEVIATIONS

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1.1 **Basis of Loading**

The Foreign Bids shall be loaded on FOB Port of Exit prices and the Indian Bids shall be loaded on FOT Dispatch Point prices.

1.2 **Payment Terms**

1.2.1 Any differential payment terms offered by bidder against the terms specified in the RFQ/ GPC shall be loaded considering SBI base rate prevailing on the date of issue of enquiry plus 1% for the relevant period as under

Drawing approval	80% of the delivery period
Order on sub Vendors	75% of the delivery period
Receipt of raw material at vendor's works	50% of the delivery period
%age payment against dispatch Documents instead receipt & acceptance at Site (Specified in RFQ) (Indian bidder)	Interest for Three month
% age payment against dispatch document instead of Final document as per Purchase Requisition (Specified in RFQ)	Interest for One month
%age payment against receipt of material at site instead acceptance of material at site (Specified in RFQ) (Indian bidder)	Interest for One month

Period of any other stage shall be suitably decided at the time of evaluation.
Payment against dispatch documents through bank is not acceptable. In case bidder insists for the same, bid shall be liable for rejection.

1.2.2 Advance along with LOA/PO will not be allowed. If a supplier insists for advance payment along with LOA/PO, his offer shall be rejected.

1.3 **Price Reduction Schedule (considering GPC clause of 0.5% un-delivered order value (UDOV) ~ 5% total order value (TOV))**

In case a Supplier does not accept the delayed delivery clause and/or takes any deviation (indicates penalty clause/Liquidated Damages in place of Price Reduction Clause) or takes exception to the percentage rate mentioned in GPC, the offer of such supplier(s) shall be loaded as under:

0.5% UDOV to 5%TOV : No Loading
0.5% UDOV to 5% UDOV : 2.5%
0.5% UDOV to less than 5% TOV : Differential between the Offered % and 5%
Any other deviation/Liquidated damages/penalty or non acceptance of price reduction schedule : 5%

1.4 **Price variation :**

Where price variation is stipulated by bidder in their bid, the loading shall be as follows:

a)	Firm Price	No loading
b)	In case of Price Variation formula with ceiling	Loading by ceiling percentage offered.
c)	No formula and/or no ceiling specified by the bidder	Offer shall be rejected

Appendix-IV to ITB

Policy for Providing Preference to Domestically Manufactured Iron & Steel Products in Government Procurement

रजिस्ट्री सं. डी.एल.- 33004/99 REGD. No. D. L.-33004/99

भारत का राजपत्र
The Gazette of India

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असाधारण
EXTRAORDINARY

भाग II—खण्ड 3—उप-खण्ड (i)
PART II—Section 3—Sub-section (i)

प्राधिकार से प्रकाशित
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इस्पात मंत्रालय

अधिसूचना

नई दिल्ली, 17 दिसम्बर, 2025

सा.का.नि. 904(अ).—घरेलू स्तर पर विनिर्मित पूर्ववर्ती लौह एवं इस्पात उत्पाद नीति के अधिक्रमण में, सरकारी अधिप्राप्ति में घरेलू स्तर पर विनिर्मित लौह एवं इस्पात उत्पादों को वरीयता प्रदान करने के लिए संशोधित घरेलू स्तर पर विनिर्मित लौह एवं इस्पात उत्पाद नीति-2025 को आम सूचना के लिए एतदद्वारा प्रकाशित किया जाता है।

सरकारी अधिप्राप्ति में घरेलू स्तर पर विनिर्मित लौह एवं इस्पात उत्पादों को वरीयता देने के लिए नीति - संशोधित, 2025

1. पृष्ठभूमि

1.1 यह नीति सरकारी अधिप्राप्ति में घरेलू स्तर पर विनिर्मित लौह एवं इस्पात उत्पादों (डीएमआईएंडएसपी) को वरीयता देती है।

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1.2 यह नीति परिशिष्ट क में अधिसूचित लौह एवं इस्पात उत्पादों की खरीद, परिशिष्ट ख में सूचीबद्ध पूंजीगत वस्तुओं की खरीद और परिशिष्ट ग में स्वदेशी प्रौद्योगिकी आपूर्तिकर्ताओं से प्रौद्योगिकी पर लागू होती है।

2. परिभाषाएं

2.1 **बोलीदाता** लौह एवं इस्पात का कोई घरेलू/विदेशी विनिर्माता अथवा उनके बिक्री एजेंट/अधिकृत वितरक/अधिकृत डीलर/अधिकृत आपूर्ति गृह अथवा सरकारी एजेंसियों द्वारा वित्त पोषित परियोजनाओं में बोली लगाने में कार्यरत कोई अन्य कंपनी हो सकती है।

2.2 **घरेलू स्तर पर विनिर्मित लौह एवं इस्पात उत्पाद** वे लौह एवं इस्पात उत्पाद हैं जिनका विनिर्माण उन प्रतिष्ठानों द्वारा किया जाता है जो भारत में पंजीकृत और स्थापित हैं, जिसमें विशेष आर्थिक क्षेत्र (एसईजेड) शामिल हैं।

2.3 **घरेलू विनिर्माता** केंद्रीय माल और सेवा कर अधिनियम, 2017 की धारा 2(72) के अनुरूप एक विनिर्माता है।

2.4 **घरेलू मूल्य संवर्धन** का अर्थ है भारत में जोड़े गए मूल्य की राशि जो अधिप्राप्त की जाने वाली वस्तु के कुल मूल्य (शुद्ध घरेलू अप्रत्यक्ष करों को छोड़कर) में से अधिप्राप्त की जाने वाली वस्तु के कुल मूल्य के अनुपात के रूप में वस्तु में आयातित सामग्री के मूल्य (सभी सीमा शुल्कों सहित) को घटाकर प्रतिशत में प्राप्त होगी। 'घरेलू मूल्य संवर्धन' की परिभाषा डीपीआईआईटी दिशा-निर्देशों के अनुरूप होगी और भविष्य में डीपीआईआईटी द्वारा किसी भी बदलाव के मामले में इसे उपयुक्त रूप से संशोधित किया जाएगा। इस नीति दस्तावेज के उद्देश्य के लिए, घरेलू मूल्य संवर्धन और स्थानीय सामग्री का परस्पर उपयोग किया गया है।

% घरेलू मूल्य संवर्धन =

{अधिप्राप्त की जाने वाली वस्तु का कुल मूल्य (शुद्ध घरेलू अप्रत्यक्ष करों को छोड़कर) - वस्तु में आयातित सामग्री का मूल्य (सभी सीमा शुल्कों सहित)}

---------- X 100%

{अधिप्राप्त की जाने वाली वस्तु का कुल मूल्य}

2.5 **तैयार इस्पात** (फिनिश्ड स्टील) का तात्पर्य सपाट और लंबे उत्पादों से होगा, जिन्हें बाद में प्रसाधित कर विनिर्मित वस्तु बनाया जा सकता है।

2.6 इस नीति के प्रयोजन से **सरकार** का तात्पर्य भारत सरकार से है।

2.7 **सरकारी एजेंसियों** में सरकार के सार्वजनिक क्षेत्र के उपक्रम, भारत सरकार द्वारा स्थापित सोसायटी, ट्रस्ट और सांविधिक निकाय शामिल हैं।

2.8 **स्वदेशी प्रौद्योगिकी:** किसी प्रौद्योगिकी को स्वदेशी प्रौद्योगिकी माना जाएगा यदि, इकाई की कम से कम 51% इक्विटी भारतीय निवासियों के पास हो और आईपीआर का स्वामित्व या सह-स्वामित्व किसी भारतीय इकाई के पास हो या विशेष रूप से उन्हें लाइसेंस प्राप्त हो तथा मुख्य इंजीनियरिंग अनुसंधान एवं विकास और परियोजना निष्पादन क्षमताएं भारत में हों।

2.9 **एल1** का तात्पर्य निविदा अथवा अन्य अधिप्राप्ति अनुरोध के अनुसार मूल्यांकन प्रक्रिया में यथाघोषित निविदा, बोली लगाने संबंधी प्रक्रिया अथवा अन्य अधिप्राप्ति अनुरोधों में प्राप्त न्यूनतम निविदा अथवा न्यूनतम बोली अथवा न्यूनतम भाव से होगा।

2.10 **एमओएस** का आशय इस्पात मंत्रालय, भारत सरकार से है।

2.11 **खरीद वरीयता के मार्जिन** का तात्पर्य उस अधिकतम सीमा से है जिस सीमा तक किसी घरेलू आपूर्तिकर्ता द्वारा लगाई गई कीमत खरीद वरीयता के प्रयोजन से एल1 से अधिक हो। डीएमआईएंडएसपी नीति के मामले में, खरीद वरीयता का मार्जिन परिशिष्ट ख में शामिल मदों के लिए 20% होगा।

2.12 **मेल्ट एंड पोर** को एक ऐसे इस्पात के रूप में परिभाषित किया गया है जिसे इस्पात बनाने वाले फर्नेस में उत्पादित किया जाता है और इसे अपने पहले ठोस आकार में डाला जाता है। जिस स्थान पर यह प्रक्रिया होती है उसे मेल्ट एंड पोर (सीओएम) का उद्गम स्थल कहा जाता है। सीओएम वह मूल स्थान है जहाँ क्रूड इस्पात को पहली बार तरल अवस्था में उत्पादित किया जाता है और इसे अपने पहले ठोस आकार में डाला जाता है। मेल्ट एंड पोर (सीओएम) का देश भारत होना चाहिए। पहला ठोस आकार एक अर्ध-तैयार उत्पाद जैसे स्लैब, बिलेट, पिंड या एक तैयार इस्पात मिल उत्पाद हो सकता है।

2.13 **निवल बिक्री मूल्य** इन्वॉइस मूल्य होगा जिसमें निवल घरेलू कर और शुल्क शामिल नहीं होंगे।

2.14 **अर्ध-तैयार इस्पात** (सेमी-फिनिश्ड स्टील) का तात्पर्य इनगोट्स, बिलेट्स, ब्लूम्स और स्लेब्स से है, जिसे बाद में प्रसाधित कर तैयार इस्पात बनाया जा सकता है।

3. अपवर्जन

3.1 इस्पात मंत्रालय द्वारा इस प्रकार की सभी सरकारी अधिप्राप्ति के लिये निम्नलिखित शर्तों के अध्यधीन छूट प्रदान की जा सकती है।

3.1.1 जहां विशिष्ट ग्रेडों के इस्पात का विनिर्माण देश में नहीं किया जाता हो, अथवा

3.1.2 जहां परियोजना की मांग के अनुसार इन मात्राओं को घरेलू स्रोतों के माध्यम से पूरा नहीं किया जा सकता हो।

3.2 छूट संबंधी अनुरोध लौह एवं इस्पात उत्पादों की घरेलू स्तर पर अनुपलब्धता के पर्याप्त प्रमाण के साथ स्थायी समिति के समक्ष प्रस्तुत किए जाएंगे।

4. स्थायी समिति

4.1 सचिव (इस्पात) की अध्यक्षता में एक स्थायी समिति नीति के कार्यान्वयन को देखेगी।

4.2. इस समिति में उद्योग/उद्योग संघ/सरकारी संस्था अथवा निकाय/इस्पात मंत्रालय (एमओएस) से लिए गए विशेषज्ञ शामिल होंगे। इस्पात मंत्रालय में उक्त समिति के पास निम्नलिखित के लिए अधिदेश होगा:

4.2.1 नीति के कार्यान्वयन की निगरानी करना।

4.2.2 परिशिष्ट क, परिशिष्ट ख और परिशिष्ट ग में उल्लिखित लौह एवं इस्पात उत्पादों की सूची, घरेलू सामग्री आवश्यकता मानदंड और नीति निर्देशों की समीक्षा करना और उन्हें अधिसूचित करना।

4.2.3 पैरा 3 के अनुसार प्रापण एजेंसियों को अपवर्जन की स्वीकृति देने सहित इस नीति के कार्यान्वयन के लिए आवश्यक स्पष्टीकरण जारी करना।

4.2.4 इस नीति के कार्यान्वयन से संबंधित शिकायतों की प्रारंभिक जांच के लिए एक शिकायत निवारण समिति का गठन करना।

4.2.5 अधिप्राप्ति एजेंसी द्वारा इस नीति का अनुपालन न किए जाने की स्थिति में संबंधित मंत्रालयों/विभागों को उचित कार्रवाई के लिए निर्देश जारी करना और सलाह देना।

4.3 जहां भी प्रापण इकाई इस निष्कर्ष पर पहुंचती है कि उपलब्ध बोलीदाता/विनिर्माता द्वारा अनुचित रूप से उच्च मूल्य निर्धारित किया गया है, तो मामले को स्थायी समिति को भेजा जा सकता है। ऐसे मामलों में, प्रापण इकाई को अपने मामले को पूर्ण और विस्तृत दस्तावेज़ों के साथ प्रमाणित करना होगा।

4.4 बोली दस्तावेज़ में विदेशी प्रमाणन/अनुचित तकनीकी विनिर्देश निर्दिष्ट करना स्थानीय आपूर्तिकर्ताओं के विरुद्ध प्रतिबंधात्मक और भेदभावपूर्ण व्यवहार है। यदि भारतीय मानकों की अनुपलब्धता और/या किसी अन्य कारण से विदेशी प्रमाणन निर्धारित करना आवश्यक है, तो ऐसा समिति की लिखित स्वीकृति के बाद ही किया जाएगा।

5. प्रयोज्यता

5.1 यह नीति सरकार के प्रत्येक मंत्रालय अथवा विभाग और उनके प्रशासनिक नियंत्रणाधीन सभी एजेंसियों/इकाइयों तथा सरकारी परियोजनाओं के लिए लौह एवं इस्पात उत्पादों की खरीद हेतु इन एजेंसियों द्वारा वित्त पोषित परियोजनाओं पर लागू है। केन्द्रीय क्षेत्र की सभी योजनाएं (सीएस)/ केन्द्रीय प्रायोजित योजनाएं (सीएसएस) जिनके लिए राज्यों और स्थानीय निकायों द्वारा अधिप्राप्ति की जाती है, इस नीति की परिधि में आएंगी, यदि उस परियोजना/योजना को भारत सरकार द्वारा पूर्णत:/आंशिक रूप से वित्तपोषित किया जाता है।

5.2 यह नीति लौह एवं इस्पात उत्पादों के विनिर्माण के लिए पूंजीगत माल (परिशिष्ट-ख) की खरीद के लिए सार्वजनिक क्षेत्र के इस्पात विनिर्माताओं और उनके प्रशासनिक नियंत्रणाधीन एजेंसियों/निकायों पर लागू होती है।

5.3 परिशिष्ट-ख में लौह एवं इस्पात उत्पादों के विनिर्माण में उपयोग किए जाने वाले पूंजीगत माल की छूट संबंधी सूची शामिल है, जिन्हें आयात किया जा सकता है, तथा पैकेजों के लिए लागू न्यूनतम घरेलू सामग्री की आवश्यकता बताई गई है।

5.4 इस्पात विनिर्माण में उपयोग किए जाने वाले पूंजीगत माल के लिए 20% की खरीद वरीयता लागू है। उदाहरण के लिए, यदि आयात योग्य पूंजीगत माल के लिए न्यूनतम बोलीदाता (एल1) कोई विदेशी

कंपनी है, जिसने उत्पाद पैकेज के लिए 100 करोड़ रुपये की कीमत लगाई है, तो नीति के तहत, समान पूंजीगत माल के घरेलू आपूर्तिकर्ता के लिए 20% की खरीद वरीयता लागू होगी।

5.5 परिशिष्ट-ग में इस्पात बनाने वाले सीपीएसई के लिए स्वदेशी प्रौद्योगिकी आपूर्तिकर्ताओं से खरीद करने के निर्देश और कार्यप्रणाली दी गई है।

5.6 यह नीति उन परियोजनाओं और गैर-परियोजनाओं पर लागू होगी, जहाँ किसी संविदा में लौह एवं इस्पात उत्पादों (परिशिष्ट-क) का कुल अधिप्राप्ति मूल्य मदवार आधार पर 5 लाख रुपये से अधिक है।

5.7 लौह एवं इस्पात उत्पादों की अधिप्राप्ति से संबंधित निविदाओं के लिए कोई वैश्विक निविदा इन्क्वायरी (जीटीई) आमंत्रित नहीं की जाएगी (डीएमआईएंडएसपी नीति का परिशिष्ट-क)। लौह एवं इस्पात उत्पादों के विनिर्माण जिनका अनुमानित मूल्य 200 करोड़ रु. तक हो, (डीएमआईएंडएसपी नीति के परिशिष्ट-ख) के लिए पूंजीगत माल की अधिप्राप्ति से संबंधित निविदाओं के लिए कोई वैश्विक निविदा इन्क्वायरी (जीटीई) व्यय विभाग द्वारा यथा नाम-निर्दिष्ट सक्षम प्राधिकारी के अनुमोदन के अलावा आमंत्रित नहीं की जाएगी।

5.8 यह नीति सरकार के मंत्रालय अथवा विभाग या उनके सार्वजनिक क्षेत्र के उपक्रमों की किसी ईपीसी संविदा और/अथवा अन्य आवश्यकता को पूरा करने के लिए निजी एजेंसियों द्वारा लौह एवं इस्पातों की अधिप्राप्ति पर लागू है।

6. अधिप्राप्ति के लिए निविदा प्रक्रिया

6.1 प्रापण एजेंसियां डीएमआईएंडएसपी नीति का पालन करते समय वित्त मंत्रालय और सीवीसी के अनुदेशों के अनुसार मानक अधिप्राप्ति संबंधी प्रक्रियाओं का पालन करेगी।

6.2 माल की अधिप्राप्ति के साथ-साथ ईपीसी संविदाओं के लिए निविदा दस्तावेज में परिशिष्ट क और परिशिष्ट ख में उल्लिखित आवश्यकताओं के अनुपालन के लिए योग्यता मानदंड को स्पष्ट रूप से रेखांकित किया जाना चाहिए।

6.3 विनिर्माताओं, बिक्री एजेंटो, अधिकृत वितरकों, अधिकृत डीलरों और अधिकृत आपूर्ति घरों सहित सभी बोलीदाता अपनी बोली के हिस्से के रूप में फॉर्म-1 जमा करेंगे, भले ही वे विनिर्माता हो या अन्य।

6.4 वे बोलीदाता जो परिशिष्ट-क के अंतर्गत आने वाले लौह एवं इस्पात उत्पादों के घरेलू विनिर्माताओं के विक्रय एजेंट/अधिकृत वितरक/अधिकृत डीलर/अधिकृत आपूर्ति घर हैं, वे नीति के अंतर्गत घरेलू विनिर्माताओं की ओर से स्व-प्रमाणन के साथ बोली लगाने के लिए पात्र हैं, बशर्ते कि बोलीदाता डिलीवरी के समय घरेलू विनिर्माता द्वारा जारी किया गया प्राधिकार प्रमाणपत्र प्रस्तुत करें।

6.5 डीएमआईएंडएसपी नीति के परिशिष्ट ख के अंतर्गत आने वाले उत्पादों के लिए बोलीदाता को कंपनी के सांविधिक लेखापरीक्षक या लागत लेखापरीक्षक (कंपनियों के मामले में) या किसी प्रैक्टिसिंग लागत लेखाकार या प्रैक्टिसिंग चार्टर्ड अकाउंटेंट (कंपनियों के अलावा आपूर्तिकर्ताओं के संबंध में) द्वारा जारी प्रमाणन प्रस्तुत करेगा, जिसमें यह घोषणा की गई होगी कि लौह एवं इस्पात उद्योग में

उपयोग किए जाने वाले पूंजीगत माल निर्धारित घरेलू मूल्य संवर्धन के अनुसार घरेलू स्तर पर विनिर्मित किए गए हैं।

6.6 यदि किसी वस्तु के भारतीय आपूर्तिकर्ताओं को किसी विदेशी सरकार द्वारा अधिप्राप्ति में भाग लेने और/या प्रतिस्पर्धा करने की अनुमति नहीं है, प्रतिबंधात्मक निविदा शर्तों के कारण, जिनका प्रत्यक्ष या अप्रत्यक्ष रूप से भारतीय कंपनियों पर प्रतिबंध है, जैसे अधिप्राप्ति करने वाले देश में पंजीकरण, अधिप्राप्ति करने वाले देश में विशिष्ट मूल्य की परियोजनाओं का निष्पादन आदि, तो वह उचित पारस्परिक कार्रवाई के लिए प्रापण संस्थाओं को ऐसे विवरण उपलब्ध कराएगा।

6.7 इस्पात मंत्रालय द्वारा उन देशों की संस्थाओं की पहचान की गई है, जो भारतीय कंपनियों को इस्पात मंत्रालय से संबंधित किसी भी वस्तु के लिए अपनी सरकारी अधिप्राप्ति में भाग लेने की अनुमति नहीं देते हैं, उन्हें इस्पात मंत्रालय से संबंधित सभी वस्तुओं के लिए भारत में सरकारी अधिप्राप्ति में भाग लेने की अनुमति नहीं दी जाएगी, सिवाय इस्पात मंत्रालय द्वारा प्रकाशित उन वस्तुओं की सूची के जो उन्हें भाग लेने की अनुमति देती हैं।

6.8 उपरोक्त शर्त जैम पोर्टल सहित केन्द्र सरकार की प्रापण संस्थाओं द्वारा आमंत्रित सभी निविदाओं का हिस्सा होगी।

6.9 यदि बोली दस्तावेजों में घरेलू आपूर्तिकर्ताओं के खिलाफ प्रतिबंधात्मक या भेदभावपूर्ण शर्तें शामिल की जाती हैं, तो अधिप्राप्ति करने वाले प्रशासनिक विभाग (इसके प्रशासनिक नियंत्रण के तहत किसी भी इकाई द्वारा अधिप्राप्ति सहित) द्वारा इसकी जिम्मेदारी तय करने के लिए जांच की जाएगी। इसके बाद, संबंधित प्रावधानों के तहत प्रापण संस्थाओं के दोषी अधिकारियों के खिलाफ प्रशासनिक या अन्यथा उचित कार्रवाई की जाएगी। ऐसी सभी कार्रवाई की सूचना डीएमआईएंडएसपी नीति के तहत स्थायी समिति को भेजी जाएगी।

6.10 इस आदेश के उल्लंघन के लिए किसी प्रापण इकाई द्वारा प्रतिबंधित आपूर्तिकर्ता प्रतिबंध की अवधि के दौरान किसी अन्य अधिप्राप्ति करने वाली इकाई द्वारा अधिप्राप्ति के लिए इस आदेश के तहत वरीयता के लिए पात्र नहीं होगा। ऐसी अन्य प्रापण संस्थाओं के लिए प्रतिबंध उस तारीख से प्रभावी होगा जिस दिन यह अन्य अधिप्राप्ति करने वाली संस्थाओं के संज्ञान में आता है।

6.11 यदि, इस मामले को इस्पात मंत्रालय के पास भेजा जाता है, तब इस्पात मंत्रालय के अधीन गठित शिकायत निवारण समिति सरकारी एजेंसी के दृष्टिकोण पर विचार करने के बाद बोलीदाता से सभी दस्तावेजों के प्राप्त होने और उसका संदर्भ भेजे जाने के 4 सप्ताह के भीतर शिकायत का निपटारा करेगी। बोलीदाता से यह अपेक्षित होगा कि वे इस मामले के संदर्भ के 2 सप्ताह के भीतर इस्पात मंत्रालय के अंतर्गत शिकायत निवारण समिति को लौह एवं इस्पात उत्पादों में दावा किए गए घरेलू मूल्यवर्धन के समर्थन में आवश्यक दस्तावेज प्रस्तुत करे।

6.12 निविदा दस्तावेज में निर्धारित घरेलू मूल्यवर्धन का बोलीदाता द्वारा गलत घोषणा किए जाने की स्थिति में प्रापण ऐजेंसी शास्ती को स्पष्ट रूप से परिभाषित करेगी। मौजूदा नियमों के अनुसार शास्ती में ऐसे विनिर्माता/ सेवा प्रदाता आदि की ईएमडी को जब्त करना, अन्य वित्तीय शास्ती लगाना और उसे ब्लैकलिस्ट किया जाना शामिल हो सकता है।

7. इस्पात मंत्रालय द्वारा कार्यान्वयन की निगरानी

7.1 इस नीति के प्रावधान प्रकाशन की तारीख से 5 वर्षों की अवधि के लिए लागू रहेंगे और इस नीति की अवधि को इस्पात मंत्रालय के विवेक पर और आगे बढ़ाया जा सकता है।

7.2 इस्पात मंत्रालय इस नीति के कार्यान्वयन की निगरानी करने के लिए नोडल मंत्रालय होगा।

7.3 डीएमआईएंडएसपी नीति के अंतर्गत सभी एजेंसियां तिमाही आधार पर घोषणा पत्र भेजेगी जिसमें पिछले वित्तीय वर्ष के दौरान इस नीति के अनुपालन की सीमा और उसके अनुपालन न किए जाने के कारणों को दर्शाया जायेगा।

अनुलग्नक-क

लौह एवं इस्पात उत्पादों की सूची जिनकी अधिप्राप्ति केवल घरेलू स्रोतों से की जा सकती है

क्र.सं.	लौह एवं इस्पात उत्पाद	एचएस कोड	स्थिति
1	600 मि.मी. अथवा उससे अधिक की चौड़ाई वाले लौह अथवा गैर-मिश्रधातु इस्पात के फ्लैट रोल्ड उत्पाद, हॉट रोल्ड, क्लेड, प्लेट लगाया हुआ अथवा कोट किया हुआ नहीं	7208	मेल्ट एंड पोर
2	600 मि.मी. अथवा उससे अधिक की चौड़ाई वाले लौह अथवा गैर-मिश्रधातु इस्पात के फ्लैट रोल उत्पाद, कोल्ड रोल्ड (कोल्ड रिड्यूज्ड किया हुआ), क्लेड, प्लेट लगाया हुआ अथवा कोट किया हुआ नहीं	7209	मेल्ट एंड पोर
3	600 मि.मी. अथवा उससे अधिक की चौड़ाई वाले लौह अथवा गैर-मिश्रधातु इस्पात का फ्लैट रोल उत्पाद, क्लेड, प्लेट लगाया हुआ अथवा कोट किया हुआ	7210	मेल्ट एंड पोर
4	600 मि.मी. से कम की चौड़ाई वाले लौह अथवा गैर-मिश्रधातु इस्पात का फ्लैट रोल उत्पाद, क्लेड, प्लेट लगाया हुआ अथवा कोट किया हुआ नहीं	7211	मेल्ट एंड पोर
5	600 मि.मी. से कम की चौड़ाई का लौह अथवा गैर-मिश्रधातु इस्पात का फ्लैट रोल उत्पाद, क्लेड, प्लेट लगाया हुआ अथवा कोट किया हुआ	7212	मेल्ट एंड पोर
6	लौह एवं गैर-मिश्रधातु इस्पात का अनियमित रूप से वूंड क्वाइल में बार्स और रॉड, हॉट रोल्ड	7213	मेल्ट एंड पोर
7	लौह अथवा गैर-मिश्रधातु इस्पात के अन्य बार्स और रॉड्स जिसे फोर्ज किए जाने की तुलना में आगे अधिक वर्क नहीं किया हुआ, हॉट रोल्ड, हॉट ड्रॉन अथवा हॉट एक्सट्रूडेड परंतु रोलिंग के बाद उसे टिविस्ट किये जाने सहित	7214	मेल्ट एंड पोर
8	लौह अथवा गैर-मिश्रधातु इस्पात का अन्य बार्स एंड रॉड्स	7215	मेल्ट एंड पोर
9	लौह अथवा गैर-मिश्रधातु इस्पात का एंगल, शेप और सेक्शन्स	7216	मेल्ट एंड पोर
10	लौह अथवा गैर-मिश्रधातु इस्पात का वायर	7217	मेल्ट एंड पोर
11	600 मि.मी. अथवा उससे अधिक की चौड़ाई का स्टेनलैस इस्पात का फ्लेट रोल्ड इस्पात	7219	मेल्ट एंड पोर
12	600 मि.मी. से कम की चौड़ाई का स्टेनलैस इस्पात का फ्लैट रोल्ड इस्पात	7220	मेल्ट एंड पोर
13	स्टेनलैस स्टील के अन्य बार्स और रॉड्स; स्टेनलैस स्टील का एंगल शेप और सेक्शन्स	7222	मेल्ट एंड पोर
14	अन्य मिश्रधातु इस्पात के वायर	7229	मेल्ट एंड पोर
15	लौह अथवा इस्पात के रेल, रेलवे अथवा ट्रामवे ट्रेक निर्माण सामग्री	7302	50% घरेलू मूल्यवर्धन
16	कास्ट लौह के ट्यूब, पाइप और हॉलो पाइप	7303	50% घरेलू मूल्यवर्धन
17	लौह (कास्ट आयरन को छोड़कर) अथवा इस्पात के ट्यूब पाइप और हॉलो प्रोफाइल, सीमलैस	7304	50% घरेलू मूल्यवर्धन
18	लौह अथवा इस्पात के सर्कुलर क्रॉस सेक्शन वाले अन्य ट्यूब और पाइप (उदाहरण के लिए, वेल्ड किया हुआ, रिवेट किया हुआ अथवा	7305	50% घरेलू मूल्यवर्धन

	समान रूप से बंद किया हुआ), जिसकी बाहरी त्रिज्या 406.4 मि.मी. से अधिक हो		
19	लौह अथवा इस्पात के अन्य ट्यूब, पाइप और हॉलो प्रोफाइल (उदाहरण के लिए ओपन सीन अथवा वेल्ड किया हुआ, रिवेट किया हुआ अथवा समान रूप से बंद किया गया हुआ)	7306	50% घरेलू मूल्यवर्धन
20	लौह अथवा इस्पात के ट्यूब अथवा पाइप फिटिंग (उदाहरण के लिए, कनेक्टर/कप्लिंग, एल्बो स्लीव्स)	7307	50% घरेलू मूल्यवर्धन
21	स्टेनलैस स्टील का अनियमित रूप से वूंड क्वाइल में बार्स और रॉड, हॉट-रोल्ड	7221	मेल्ट एंड पोर
22	स्टेनलैस स्टील का वायर	7223	मेल्ट एंड पोर
23	इलेक्ट्रिकल स्टील सहित 600 मि.मी. अथवा उससे अधिक की चौड़ाई वाले अन्य मिश्रधातु इस्पात का फ्लैट-रोल्ड इस्पात	7225	मेल्ट एंड पोर
24	इलेक्ट्रिकल स्टील सहित 600 मि.मी. से कम की चौड़ाई वाले अन्य मिश्रधातु इस्पात का फ्लैट-रोल्ड इस्पात	7226	मेल्ट एंड पोर
25	अन्य मिश्रधातु इस्पात का अनियमित रूप से वूंड क्वाइल में बार्स और रोड, हॉट-रोल्ड	7227	मेल्ट एंड पोर
26	अन्य मिश्रधातु इस्पात का अन्य बार्स और रॉड्स; अन्य मिश्रधातु इस्पात का एंगल, शेप्स और सेक्शन्स; एलॉय अथवा गैर- मिश्रधातु इस्पात का हॉलो ड्रील बार्स और रॉड्स	7228	मेल्ट एंड पोर
27	लौह अथवा इस्पात की शीट पाइलिंग, चाहे ड्रील किया हुआ हो अथवा नहीं, चाहे पंच किया हुआ हो अथवा नहीं, चाहे असेम्बल किये हुए तत्वों से बना हुआ हो अथवा नहीं; लौह अथवा इस्पात का वेल्ड किया हुआ एंगल, शेप और सेक्शन्स	7301	50% घरेलू मूल्यवर्धन
28	स्ट्रक्चर्स (9406 के शीर्ष का प्रीफेबरिकेटिड भवनों को छोड़कर) और स्ट्रक्चर्स का हिस्सा	7308	50% घरेलू मूल्यवर्धन
29	300 से अधिक क्षमता का लौह अथवा इस्पात का किसी सामग्री (कम्प्रेस किए हुए अथवा तरलीकृत गैस को छोड़कर) के लिए भंडार, टैंक, वैट और समान कन्टेनर चाहे उसे लाइन किया गया हो अथवा नहीं या उसे हीट से इन्सुलेट किया गया हो अथवा नहीं लेकिन यांत्रिक अथवा तापीय उपक्रम से युक्त न हो	7309	50% घरेलू मूल्यवर्धन
30	अधिकतक 300 लीटर की क्षमता का लौह अथवा इस्पात का किसी सामग्री (कम्प्रेस किए हुए अथवा तरलद्रवी गैस को छोड़कर) के लिए टैंक, कास्ट, ड्रम, केन, बॉक्स और समान कन्टेनर चाहे उसे लाइन किया गया हो अथवा नहीं या उसे हीट से इन्सुलेट किया गया हो अथवा नहीं लेकिन यांत्रिक अथवा तापीय उपक्रम से युक्त न हो	7310	50% घरेलू मूल्यवर्धन
31	लौह अथवा इस्पात का कम्प्रेस किया हुआ अथवा तरलीकृत गैस के लिए कन्टेनर	7311	50% घरेलू मूल्यवर्धन
32	लौह अथवा इस्पात का स्टैंडिड वायर, रोप, केबल, प्लेटिड बैंड, स्लिंग और उसके समान वस्तु जिसे विद्युतीय रूप से इन्सुलेट न किया गया	7312	50% घरेलू मूल्यवर्धन
33	लौह अथवा इस्पात का फेनसिंग के लिए उपयोग किये जाने वाला बार्ब्ड वायर; ट्विस्ट किया हुआ हूप अथवा सिंगल फ्लेट वायर, बार्स	7313	50% घरेलू मूल्यवर्धन

	किया हुआ अथवा नहीं और लूज तरीके से ट्विस्ट किया हुआ डबल वायर		
34	लौह अथवा इस्पात वायर का ग्रिल, नेटिंग और फेनसिंग; लौह अथवा इस्पात संबंधित एक्सपैंडेड विस्तृत धातु	7314	50% घरेलू मूल्यवर्धन
35	लौह अथवा इस्पात का चैन और उसका हिस्सा	7315	50% घरेलू मूल्यवर्धन
36	लौह अथवा इस्पात का टैंकर, ग्रेपनेल्स और उसका हिस्सा	7316	50% घरेलू मूल्यवर्धन
37	लौह एवं इस्पात की वस्तुएं	7317	50% घरेलू मूल्यवर्धन
38	लौह एवं इस्पात की वस्तुएं	7318	50% घरेलू मूल्यवर्धन
39	लौह एवं इस्पात की वस्तुएं	7319	50% घरेलू मूल्यवर्धन
40	लौह अथवा इस्पात की स्प्रिंग और स्प्रिंग के लिए लीव्स	7320	50% घरेलू मूल्यवर्धन
41	लौह अथवा इस्पात के स्टोव्स, रेंज, ग्रेड, कूकर (सेंट्रल हिटिंग के लिए सहायक बॉयलरों के साथ उन वस्तुओं सहित), बारबेक्यूज, ब्रेजियर्स, गैस रिंग, प्लेट वॉमर्स और समान गैर-विद्युतीय घरेलू उपकरण और उसका हिस्सा	7321	50% घरेलू मूल्यवर्धन
42	लौह अथवा इस्पात का सेंट्रल हिटिंग के लिए रेडियेटर जिसे विद्युतीय रूप से हीट न किया गया हो और उसका हिस्सा; लौह अथवा इस्पात का हेयर हीटर और हॉट एयर वितरक जिसे विद्युतीय रूप से हीट न किया गया हो, फेन अथवा ब्लोअर जो मोटर से चलती हो और उसके हिस्से को शामिल करते हुए	7322	50% घरेलू मूल्यवर्धन
43	लौह अथवा इस्पात का टेबल और समान घरेलू वस्तुएं और उसका हिस्सा	7323	50% घरेलू मूल्यवर्धन
44	लौह अथवा इस्पात के सेनेटरी वेयर और उसके पार्टस	7324	50% घरेलू मूल्यवर्धन
45	लौह अथवा इस्पात के अन्य कास्ट सामान	7325	50% घरेलू मूल्यवर्धन
46	लौह अथवा इस्पात का विद्युतीय इस्पात और अन्य वस्तुएं	7326	50% घरेलू मूल्यवर्धन
47	रेलवे अथवा ट्रामवे पेसेंजर कोच जो स्व-चालित नहीं है	8605	50% घरेलू मूल्यवर्धन
48	रेलवे अथवा ट्रामवे माल वेन और वेगेन जो स्व-चालित नहीं है	8606	50% घरेलू मूल्यवर्धन
49	रेलवे अथवा ट्रामवे लोकोमोटिव का हिस्सा अथवा रोलिंग स्टॉक जैसे बोगिज, बिसल बोगिज, एक्सेल और फोर्ज्ड किया हुआ पहिया और उसका हिस्सा	8607	50% घरेलू मूल्यवर्धन

परिशिष्ट- ख

लौह एवं इस्पात उत्पादों के विनिर्माण के लिए आयात किए जा सकने वाले पूंजीगत माल (गैर-संपूर्ण) और पैकेज के लिए लागू न्यूनतम घरेलू सामग्री की सूची

क्र.सं.	संयंत्र/यूनिट पैकेज	पूंजीगत माल की न्यूनतम घरेलू सामग्री (%)	आयात योग्य वस्तुएँ
1	**खनन विकास के लिए उपस्कर** • क्रशिंग एवं स्क्रीनिंग संयंत्र • खनिज बेनिफिशियेशन (लौह अयस्क और कोयला) संयंत्र; (बाउंड्री लिमिट: क्रेशर हॉपर में आरओएम की प्राप्ति, विखंडन, पृथक्करण, अयस्क/कोयला प्रसंस्करण से लेकर अंतिम उत्पाद तैयार करना) • स्लाइम बेनिफिशियेशन • स्वचालित लोडिंग सुविधा • कन्वेयर प्रणाली	75%	• वेट हाई इंटेन्सिटी मैग्नेटिक सैपरेटर / हाई ग्रेडीअन्ट मैग्नेटिक सैपेरेटर • हैवी मीडिया साइक्लोन • जाइरेटरी क्रशर • स्पाइलर कंसंट्रेटर • ऑनलाइन ऐश एनालाइजर • बॉल/रॉड/एजी मिल (3.5मी व्यास से अधिक)
2	**खनन परिवहन** • स्लरी पाइपलाइन • लंबी दूरी की कन्वेयिंग प्रणाली	30%	• पीडी पंप • वॉल्व • विशिष्ट/रोप/पाइप कन्वेयर
3	**खदानों के लिए अन्य खनन मशीनरी और हैवी अर्थ मूविंग उपस्कर** (बाउंड्री लिमिट: ड्रिलिंग, रेजिंग, लैडिंग, हॉलेज और खदान तैयार करने के लिए उपस्कर)	लागू नहीं	• डम्पर (220 टन से अधिक पे लोड क्षमता), हाइड्रोलिक एक्सकेवेटर (9 क्यूबिक मीटर बकेट क्षमता से अधिक)
4	**पेलेट संयंत्र उपस्कर** (बाउंड्री लिमिट - फ्लक्स और बाइंडर के लिए ग्राउंड हॉपर प्राप्त करना, बेल्ट कन्वेयर उत्पाद पेलेट बेल्ट कन्वेयर को आईओएफ फीडिंग)	85%	• पैलेट कार, हाई इंटेंसिव मिक्सर, बॉलिंग डिस्क, वर्टिकल रोलर मिल, ड्राइव/डिस्चार्ज एंड स्प्रोकेट असेंबली, कर्व्ड रेल, स्लाइड रेल, सिंगल डेक रोलर स्क्रीन और डबल डेक रोलर स्क्रीन, इंड्यूरेशन मशीन ड्राइव असेंबली, लेवल-2 ऑटोमेशन

	लौह/इस्पात निर्माण		
5	**कच्चे माल की हैंडलिंग प्रणाली** (बाउंड्री लिमिट - वैगन टिपलर से संबंधित उपयोगकर्ता इकाइयों तक)	95%	• बैरल कप्लिंग, हेवी ड्यूटी बियेरिंग, क्रेन रेल लुब्रिकेशन प्रणाली, स्लियू रिंग बियरिंग्स, टोंग्स (विशेष), वाइब्रेशन आइसोलेशन प्रणाली (स्प्रिंग डैम्पर), हाइड्रॉलिक मोटर और हाइड्रॉलिक पंप (वैगन टिपलर, साइड आर्म चार्ज, स्टैकर सह रिक्लेमर, स्लियू स्टैकर में स्थापित) इलैक्ट्रॉनिक कार्ड, अनबैलेंस्ड मोटर, वैगन टिपलर का कैम लिमिट स्वीच।
6	**कोक ओवन बैटरी** (टॉप चार्ज और स्टैम्प चार्ज दोनों) (कोयला बंकर से कोक डिस्चार्ज बकेट तक)	90%	• एंकरेज सिस्टम के स्प्रिंग्स, सीओजी बूस्टर, स्टैम्पिंग ट्रेन, बॉन्डिंग प्रेस
7	**कोक ड्राई क्वेन्चिंग संयंत्र** (हॉट कोक प्राप्त करने वाली बेकट से कूलिंग चैम्बर के डिस्चार्ज श्यूट ढलान तक)	90%	• मिल फैन और मोटर, कूलिंग चैम्बर के ट्विन फ्लू के लिए विशेष रिफैक्ट्री
8	**उपोत्पाद संयंत्र** (प्राथमिक गैस कूलर से स्वच्छ कोक ओवन गैस के नेटवर्क तक)	90%	• एग्जॉस्टर और मोटर, क्लॉज किल्न का बर्नर, कैटलिस्ट, टेल गैस विश्लेषक, पैलेटाइजेशन इकाई
9	**सिंटर संयंत्र उपस्कर** (बाउंड्री लिमिट - उत्पाद सिंटर बिन के नीचे वाइब्रो-फीडर हेतु कच्चे माल के लिए रिसिविंग बिन)	75%	• हाई इन्टेन्सिव मिक्सर और ग्रैनुलेटर इकाई, पैलेट कार, ड्राइव स्प्रोकेट, सिंटर मशीन के गियर बॉक्स के साथ मुख्य ड्राइव, स्लाइड रेल और कर्व्ड रेल, हॉट सिंटर ब्रेकर और ग्रिज़ली, एनुलर डिप रेल कूलर, सिंटर प्लांट एग्जॉस्टर अनुप्रयोग के लिए एलसीआई ड्राइव सिस्टम • इगनिशन फर्नेस स्पेयर पार्ट्स (रिफैक्ट्री/नियंत्रण प्रणाल/बर्नर असेंबली) • इग्ज़ोस्टर (वेस्ट गैस फैन) और सिस्टम स्पेयर पार्ट्स

10	**ब्लास्ट फर्नेस उपस्कर** बाउंड्री लिमिट*:* **इनपुट*:*** • **कच्चा माल -** संबंधित सामग्री के बंकरों का ऊपरी भाग • **कोल्ड ब्लास्ट** - स्नॉर्ट वाल्व का इनलेट • **औद्योगिक जल** - बीएफ पंप हाउस **आउटपुट** • **हॉट मेटल -** टारपीडो लेडल में भरी जाती है • **ग्रेनुलेटिड स्लैग -** ग्रेनुलेटिड स्लैग यार्ड के लिए	70%	• बेल लेस टॉप गियर बॉक्स, ऊपरी सील डिवाइस जो ऊपरी सामग्री गेट और ऊपरी सील वाल्व को कवर करती है, निचली सील डिवाइस जो निचले सामग्री गेट और निचले सील वाल्व को कवर करती है, ब्लीडर वाल्व, टिलटिंग रॉकर, वियर लाइनर्स, गौगल वॉल्व, इक्वलाइजिंग एंड रीलीफ वॉल्व, श्यूट रोटेशन मोटर्स, डिस्ट्रीब्यूशन श्यूट, फीडर स्पाउट, श्यूट्स और फनल्स आदि। • हार्थ रिफ्रैक्टरी (कार्बन ब्लॉक) • टॉप रिकवरी टर्बाइन सिस्टम (टीआरटी) • क्यू-स्टेव्स • एसजीआई स्टेव्स • कास्ट हाउस उपस्कर (मड गन, ड्रिलिंग मशीन और मुख्य ट्रॉफ मैनिपुलेटर) • प्रोब, प्रोफाइलोमीटर और स्टॉक स्तर सूचक (रडार टाईप) • गैस सफाई संयंत्र (एजीएस प्रणाली) • स्टोव सिस्टम - सिरेमिक बर्नर और तकनीकी वाल्व • अपशिष्ट ऊष्मा पुनर्प्राप्ति प्रणाली • टर्बो ब्लोअर • बॉल मिल • पीसीआई इंजेक्शन सिस्टम • लेवल-II ऑटोमेशन • कॉपर प्लेट कूलर्स • ट्यूयेर कूलर्स • स्टोव टेकनोलॉजिकल वाल्व • एसजीपी का डीवाटरिंग व्हील • टोरपेडो लैडल कार चेन असेबली • डोम फिल्ड डंप वाल्वस • ट्यूयेर स्टाक असेंबली
11	**गैस आधारित डायरेक्ट रीडक्शन संयंत्र उपस्कर** (बाउंड्री लिमिट*:* डीआरआई रिएक्टर के शीर्ष पर कच्चे माल की प्राप्ति और ईएएफ में हॉट डीआरआई का डिस्चार्ज)	50%	• रिएक्टर चार्जिंग सिस्टम • रिएक्टर • रिएक्टर डिस्चार्जिंग प्रणाली • ईएएफ में नुमैटिक ट्रांसफर • ब्रिकेटिंग प्रणाली के लिए डिस्चार्च रूट • ब्रिकेटिंग फीडिंग सिस्टम

			• ब्रिकेटिंग प्रणाली • रिडक्शन गैस सर्किट • CO_2 निष्कासन इकाई • प्रक्रिया गैस हीटर • सुधारक प्रणाली • हीट रिकवरी प्रणाली • प्रोसेस गैस कम्प्रेसर • ब्लोअर्स • सील गैस प्रणाली • फ्लू गैस फैन/हॉट फैन • प्रोसेस वाल्व • क्रिटिकल बेलोज • क्रिटिकल रिफ्रैक्ट्री • प्राकृतिक गैस शोधन पूर्व प्रणाली • लेवल-II ऑटोमेशन
12	**ऑक्सीजन संयंत्र 700 टीपीडी और उससे अधिक** (बाउंड्री लिमिट: ऑक्सीजन संयंत्र सीमा पर पानी, विद्युत)	30%	• मुख्य एयर कंप्रेसर • बूस्टर एयर कंप्रेसर • एक्सपेशन टरबाइन • रिबॉयलर • क्रायोजेनिक पंप • एएसयू के हीट विनिमय तत्व • प्रेशर कॉलम • मुख्य कंडेंसर, लो प्रेशर कॉलम • क्रूड आर्गन कॉलम, शुद्ध आर्गन कॉलम और कंडेंसर के साथ कंडेंसर ब्लॉक • मुख्य हीट एक्सचेंजर, शुद्ध आर्गन इवापरेटर सब-कूलर • एलओएक्स-आइसी-प्रोसेस पंप • एलआइएन-आइसी-प्रोसेस पंप • एलएआर-ट्रांसफर -प्रोसेस पंप • डेंस फ्लूइड एक्सपेंडर • बूस्टर हीट एक्सचेंजर • पीपीयू के लिए मॉलिक्यूलर सीव्स स्विचिंग वाल्व • क्रिटिकल सेफ्टी वाल्व • स्पेशलाइज्ड वाल्व • कंट्रोल वाल्व • कोल्ड बॉक्स • कंट्रोल वाल्व जीओएक्स-प्रोडक्ट

			• कोल्ड बॉक्स के फ्लो मापने वाले उपकरण • एक्सपेंडर - ब्रेक जेनरेटर, फ्रीक्वेंसी कन्वर्टर्स
13	**इस्पात प्रसंस्करण**		
13.1	**हॉट मेटल डी-डी-सल्फराइजेशन स्टेशन (एचएमडीएस) यूनिट के साथ को-** **इंजेक्शन प्रक्रिया** (ब्लास्ट फर्नेस (बीएफ) से हॉट मेटल को टारपीडो लेडल या ओपन-टॉप लेडल में प्राप्त होता है "सल्फर(एस)" सामग्री को कम करने के लिए डीसल्फराइजेशन शोधन से गुजारा जाता है और फिर बीओएफ कनवर्टर में स्थानांतरित किया जाता है)	75%	• इंजेक्शन लांस और सहायक उपकरणों के साथ स्वचालित सैंपलिंग इकाई • सहायक उपकरणों के साथ डी-स्लैगिंग मशीनें (स्लैग रेकिंग मशीन) • सहायक उपकरणों के साथ तापमान मापने और नमूना लेने के साधन
13.2	**हॉट मेटल डी-डी-सल्फराइजेशन स्टेशन (एचएमडीएस) यूनिट मैकेनिकल स्टिरर (केआर) प्रक्रिया के साथ** (ब्लास्ट फर्नेस (बीएफ) से हॉट मेटल टारपीडो लेडल या ओपन-टॉप लेडल में प्राप्त होता है, "सल्फर (एस)" सामग्री को कम करने के लिए डीसल्फराइजेशन शोधन से गुजारा जाता है और फिर बीओएफ कनवर्टर में स्थानांतरित किया जाता है)	70%	• सहायक उपकरणों के साथ इम्पेलर, इम्पेलर लिफ्टिंग और स्टीरिंग उपस्कर, गाइड फ्रेम • सहायक सुविधाओं के साथ डी-स्लैगिंग मशीनें (स्लैग रेकिंग मशीन) • सहायक उपकरणों के साथ तापमान मापने और नमूना लेने का साधन
13.3	**बेसिक ऑक्सीजन फर्नेस/एलडी ईकाई** [शोधित हॉट मेटलको बीओएफ कनवर्टर में डाला जाता है, जहां इसे इस्पात में परिवर्तित करने के लिए प्रसंस्कृत किया जाता है, जिसकी फिर लैडल फर्नेस (एलएफ) में आपूर्ति की जाती है]	65%	• क्लैम्पिंग के साथ लांस बॉडी, लांस कैरिज, लांस गाइड, लांस होइस्ट और ट्रॉली, सहायक उपकरणों के साथ लांस कॉपर टिप्स। • आपातकालीन टिल्टिंग ड्राइव के लिए न्यूमेटिक मोटर्स। • ज्वाइंट के साथ बॉटम स्टिरिंग प्रणाली, वाल्व स्टेशन और रोटरी • सहायक उपकरणों के साथ ऑक्सीजन/आर्गन/नाइट्रोजन के लिए वाल्व

			स्टेशन • सहायक उपकरणों के साथ उप-स्लांस प्रणाली • सभी सहायक उपकरणों सहित कंटेनर प्रयोगशाला। • सहायक उपकरणों के साथ स्वचालित गैस कपलिंग (ऑटो कपलर)। • कनवर्टर रेकिंग मशीन। • कनवर्टर टैप होल बदलने की मशीन • रिफ्रैक्टरी निगरानी (लेजर) मशीन। • कन्वर्टर शेल पार्ट्स, सस्पेंशन सिस्टम, रोटरी जॉइंट, स्लैग स्टॉपर और इसके कंट्रोल वाल्व • कन्वर्टर टिल्टिंग ड्राइव सिस्टम और सस्पेंशन सिस्टम, गियरबॉक्स और मोटर्स, न्यूमेटिक मोटर्स और कंट्रोल वाल्व, पोजीशन एनकोडर, क्लच सिस्टम, लुब्रिकेशन सिस्टम कंपोनेंट्स। • लैडल ट्रांसफर कार रेल ट्रैक सिस्टम (ए सीरीज़ टाइप) और गियरबॉक्स, स्टिरिंग कपलिंग। • लोमास गैस एनालाइज़र, मल्टी-लैब तापमान और सैंपल सिस्टम। • लैडल ट्रांसफर कारों के लिए स्टिरिंग कपलिंग। • पीएलसी और आरआइओ। • ऑटोमेशन सिस्टम और सॉफ्टवेयर। • हॉट ज़ोन हाइड्रोलिक पंप और वाल्व। • व्हील ब्लॉक के साथ हॉट ज़ोन गियर वाले मोटर्स। • कन्वर्टर बेयरिंग। • हवा और बिजली से चलने वाला स्लरी कॉम्पेक्शन पंप। • प्राइमरी आईडी फैन, बेयरिंग, मोटर्स, ड्राइव और लुब्रिकेशन सिस्टम। • डब्ल्यूडीएस-कोन
13.4	**इलेक्ट्रिक आर्क फर्नेस यूनिट** (प्राथमिक सामग्री जैसे स्क्रैप, डीआरआई, पिग आयरन और हॉट मेटल को विद्युत ऊर्जा का उपयोग	70%	• सहायक उपकरणों के साथ इलेक्ट्रोड रेगुलेशन प्रणाली • फर्नेस ट्रांसफार्मर सहित हाई करंट प्रणाली • सहायक उपकरणों के साथ ऑक्सीजन और कार्बन इंजेक्शन प्रणाली

	करके तरल इस्पात में परिवर्तित किया जाता है, जिससे कच्चे माल को पिघलाया और परिष्कृत किया जाता है)		• सहायक उपकरणों के साथ मैनुअल तापमान मापन और नमूनाकरण लांस
13.5	**लैडल फर्नेस यूनिट** [तरल इस्पात को वांछित ग्रेड प्राप्त करने के लिए संसाधित/शोधित किया जाता है और निरंतर कास्टिंग मशीन (सीसीएम) को आपूर्ति किए जाने से पहले बफर स्टॉक के रूप में रखा जाता है]	70%	• सहायक उपकरणों के साथ इलेक्ट्रोड विनियमन प्रणाली • सहायक उपकरणों के साथ मैनुअल तापमान मापन और नमूनाकरण लांस
13.6	**आरएच/आरएच-ओबी यूनिट** [आवश्यक विघटित गैस स्तर प्राप्त करने के लिए तरल इस्पात को डीगैस किया जाता है और फिर निरंतर कास्टिंग मशीन (सीसीएम) को आपूर्ति की जाती है]	65%	• सहायक उपकरणों के साथ गैस स्टिरिंग सिस्टम/लिफ्ट गैस स्टिरिंग सिस्टम वॉल्व स्टैंड • सहायक उपकरणों के साथ ऑक्सीजन लांस प्रणाली • सहायक उपकरणों के साथ हाइड्रिस मापन प्रणाली
13.7	**आर्गन/ऑक्सीजन डीकार्बराइजेशन (एओडी) इकाई**	70%	• एओडी कन्वर्टर को टिल्ट करने के लिए ड्राइव यूनिट, एयर मोटर, ब्रेक आदि। • लांस कॉपर टिप्स • पानी और ऑक्सीजन के लिए होज़ • इमरजेंसी टिल्टिंग ड्राइव के लिए न्यूमेटिक मोटर। • एओडी कन्वर्टर के लिए बेयरिंग, एयर मोटर के लिए इमरजेंसी गियर • सहायक उपकरणों के साथ ऑक्सीजन/आर्गन/नाइट्रोजन के लिए वाल्व स्टेशन। • रिफ्रैक्टरी मॉनिटरिंग (लेजर) मशीन • ऑटोमेशन सिस्टम।
13.8	**वीडी/वीओडी**	70%	• गैस एनालिसिस (ऑफ-गैस मास स्पेक्ट्रोमीटर) सिर्फ़ सेंसर। होल्डर भारत में बना है। • ऑटोमेशन और प्रोसेस कंट्रोल सॉफ्टवेयर प्लेटफॉर्म • सहायक उपकरणों के साथ वैक्यूम पंप सिस्टम • ऑक्सीजन टिप्स

			• सहायक उपकरणों के साथ ऑक्सीजन/ आर्गन/नाइट्रोजन के लिए वाल्व स्टेशन।
13.9	**सब्मर्ज्ड आर्क फर्नेस (एसएएफ) इकाई**	65%	• क्ले गन और ड्रिल मशीन • इलेक्ट्रोड उपकरण • स्लिपिंग डिवाइस असेंबली • इलेक्ट्रोड गाइडिंग असेंबली • ऊपरी और निचली मेंटल असेंबली • प्रेशर रिंग असेंबली • कॉन्टैक्ट शू असेंबली • हीट शील्ड असेंबली • इलेक्ट्रोड सील असेंबली • प्रेशर रिंग बेलोज़ • सील रिफ्रैक्टरी • फर्नेस ऑटोमेशन और कंट्रोलर सॉफ्टवेयर
13.10	**सतत कास्टिंग इकाई** (स्लैब कास्टर/बिलेट/ब्लूम राउंड/ कॉम्बी/बीम ब्लैंक) [तरल इस्पात को निरंतर कास्टिंग मशीन (सीसीएम) में स्लैब, बिलेट या ब्लूम में ढाला जाता है]	65%	• सहायक उपकरणों सहित लैडल स्लैग डिटेक्शन प्रणाली • कॉपर ट्यूब और प्लेट, मोल्ड ऑसीलेशन सिलेंडर। • रोटरी यूनियन। • सहायक उपकरणों सहित सतत तापमान माप प्रणाली। • सहायक उपकरणों के साथ टॉर्च कटिंग मशीन/ आपातकालीन टॉर्च कटर • सहायक उपकरणों सहित विद्युत ड्राइव सिस्टम सहित डी-ब्युरिंग मशीन • मार्किंग मशीन। • सहायक उपकरणों सहित रोल गैप चेकर • सहायक उपकरणों सहित इलेक्ट्रोमैग्नेटिक स्टिरर (ईएमएस)/इलेक्ट्रोमैग्नेटिक ब्रेकिंग (ईएमबीआर) प्रणाली
14	**फ्लैट उत्पाद मिल्स**		
14.1	**हॉट स्ट्रिप मिल्स/प्लेट मिल** (बाउंड्री लिमिट: सहायक उपकरणों सहित स्लैब यार्ड से डिस्पैच बे तक)	50%	• डी-स्केलर, मिल स्टैंड, बेड प्लेट, बैकअप रोल, वर्क रोल, मिल स्पिंडल, चॉक्स, एजीसी सिलेंडर, बेंडिंग ब्लॉक और सिलेंडर, शियर, डाउन कॉइलर, एंटी-फ्रिक्शन रोल नेक बेयरिंग, ऑयल फिल्म बेयरिंग, मिल

			रिड्यूसर, लोड सेल, थिकनेस गॉज, प्रोफाइल गॉज, लेवलर, रोल ग्राइंडिंग मशीन, कॉइल मार्किंग मशीन, प्लेट मार्किंग मशीन, मिल स्टैंड मोटर्स और मिल स्टैंड एमवी ड्राइव सिस्टम, ऑटोमेशन सिस्टम आदि।
14.2	**सीआरएम (पीएलटीसीएम)** (बाउंड्री लिमिट: पिकलिंग लाइन एंट्री से मिल एक्जिट तक)	50%	• वेल्डिंग मशीन, टैंशन लेवलर, मिल स्टैंड, बैकअप रोल, एंटीफ्रिक्शन बीयरिंग, ऑयल फिल्म बीयरिंग, रोल चॉक्स, रोल फोर्स सिलेंडर, रोल बेंडिंग और रोल शिफ्टिंग सिलेंडर, मिल स्पिंडल, लोड सेल, पोजिशन ट्रांसड्यूसर, इलेक्ट्रोस्टेटिक ऑइलर, साइड ट्रिमर, स्टीयरिंग सिस्टम, सरफेस इंस्पेक्शन सिस्टम, थिकनेस गेज, लेजर स्पीड गेज, टेंसियोमीटर, फ्लैटनेस गॉज, टैंशन रील, मिल रिड्यूसर, मिल स्टैंड मोटर्स और मिल स्टैंड एमवी ड्राइव सिस्टम, ऑटोमेशन सिस्टम आदि।
14.3	**सीआरएम (एचडीजीएल)** (बाउंड्री लिमिट: टेम्पर मिल और टैंशन लेवलर सहित एचडीजीएल में एंट्री से एक्जिट तक)	60%	• वेल्डिंग मशीन, रेडिएंट ट्यूब फर्नेस, जेट कूलिंग सिस्टम, इंडक्शन हीटिंग के साथ कोटिंग पॉट, पॉट रोल, एयर नाइफ वाइपिंग सिस्टम, टैंशन लेवलर, विड्थ गॉज, थिकनेस गेज, कोटिंग मोटाई गॉज, लोड सेल, रोल फोर्स सिलेंडर, मिल स्टैंड मोटर्स और मिल स्टैंड ड्राइव सिस्टम, ऑटोमेशन सिस्टम, आदि।
14.4	**सीआरएम (एसपीएम)** (बाउंड्री लिमिट: एसपीएम में एंट्री से एक्जिट तक)	50%	• मिल स्टैंड, बैकअप रोल, एंटीफ्रिक्शन बीयरिंग, ऑयल फिल्म बीयरिंग, रोल चॉक्स, रोल फोर्स सिलेंडर, मिल स्पिंडल, इलेक्ट्रोस्टेटिक ऑइलर, कॉइल मार्किंग सिस्टम, लोड सेल, थिकनेस गॉज, मिल स्टैंड मोटर्स और मिल स्टैंड एमवी ड्राइव सिस्टम, ऑटोमेशन सिस्टम, आदि।
14.5	**सीआरएम (बेल एनीलिंग फर्नेस)** (बाउंड्री लिमिट: फर्नेस बेस से पोस्ट कूलिंग उपस्कर तक)	55%	• फर्नेस, स्वचालन प्रणाली, आदि।
14.6	**सीआरएम (कलर कोटिंग लाइन)** (बाउंड्री लिमिट: सीसीएल में एंट्री से	80%	• कोटर, कोटिंग थिकनेस गेज, डिजिटल प्रिंटर, टैंशन लेवलर, स्वचालन आदि।

	एक्जिट तक)		
14.7	**टीएससीडीआर (थिन स्लैब कास्टिंग डायरेक्ट रोलिंग)** (बाउंड्री लिमिट: टूरेट से क्वाइल फिनिशिंग और पैकेजिंग एरिया)	50%	• सहायक उपकरणों सहित संपूर्ण लेडल स्लैग डिटेक्शन सिस्टम • कॉपर ट्यूब और प्लेट, मोल्ड ऑसिलेशन सिलेंडर। • रोटरी यूनियन। • सहायक उपकरणों सहित निरंतर तापमान मापने की प्रणाली। • पेंडुलम शीयर कटिंग मशीन। • सेगमेंट्स असेंबली • सहायक उपकरणों सहित रोल गैप चेकर कंप्लीट • सहायक उपकरणों सहित इलेक्ट्रोमैग्नेटिक स्टिरर (इएनएस)/इलेक्ट्रोमैग्नेटिक ब्रेकिंग (इएमबीआर) सिस्टम • टनल फर्नेस बर्नर • रफिंग और फिनिशिंग मिल स्टैंड, वर्क रोल और बैकअप रोल, एंटीफ्रिक्शन बेयरिंग, ऑयल फिल्म बेयरिंग, रोल चॉक्स, रोल फोर्स सिलेंडर, मिल स्पिंडल, मिल स्टैंड एमवी ड्राइव और मोटर, ऑटोमेशन सिस्टम, लैमिनार/पावर कूलिंग कंपोनेंट्स, हाइड्रोलिक क्वाइलर। प्रोफाइल गेज, थिकनेस गेज, विड्थ गेज। • नोजल • ग्रीस सिस्टम और सहायक उपकरण • हाइड्रोलिक सिस्टम और सहायक उपकरण • गियरबॉक्स • आरओटी रोल असेंबली • रोल असेंबली (स्लीव, शॉफ्ट, रोल) • लेडल टरेट और सहायक उपकरण (स्लीव बेयरिंग, डिस्क कपलिंग, गियरबॉक्स, हाइड्रोलिक क्लच और हाइड्रोलिक सिलेंडर) • मोल्ड ब्रेकआउट प्रिडिक्शन सिस्टम • ऑटो मोल्ड लेवल कंट्रोल न्यूक्लियोनिक गेज • मोल्ड पाउडर फीडिंग सिस्टम • सहायक उपकरणों सहित सीएनसी मोल्ड मशीनिंग सिस्टम • टंडिश और टरेट वजन प्रणाली

			• टनल फर्नेस रिफ्रैक्टरी रोल। • टनल फर्नेस शटल ड्राइव सिस्टम और गैस पहुंचाने की प्रणाली। • बैकअप रोल हाइड्रोस्टेटिक लुब्रिकेशन सिस्टम • रोल बाइट लुब्रिकेशन सिस्टम • सहायक उपकरणों सहित इन-फर्नेस कैमरा • क्रॉप शीयर • डेस्केलर सिस्टम और घटक। • कॉइल मार्किंग मशीन • ऑनलाइन कॉइल वजन प्रणाली • कट टू लेंथ स्टेकर सिस्टम • रोल शॉप (सीएनसी कॉम्बी ग्राइंडर, सीएनसी रोल ग्राइंडर, सीएनसी नाइफ ग्राइंडर, सीएनसी टर्निंग मशीन, लेथ मशीन) • क्वाइल स्ट्रैपिंग मशीन • डाउन कोइलर सिस्टम • मिल मापने की प्रणाली और सेंसर (ऑटोमैटिक गेज कंट्रोल (एजीसी) सेंसर (रोल फोर्स, गैप, दबाव) • अपने सेंसर सहित लूपर कंट्रोल सिस्टम • कंडीशन आधारित निगरानी प्रणाली और उसके सेंसर • क्वाइल शटल कार और पैलेट कन्वेइंग सिस्टम। • क्रेन कॉइल टोंग। • आरओ और यूएफ मेम्ब्रेन • सेल्फ-क्लीनिंग फिल्टर
14.8	**प्लेट मिल के लिए नॉर्मलाइज़िंग फैसिलिटी** (बाउंड्री लिमिट: नॉर्मलाइज़िंग फर्नेस में एंट्री से तैयार प्लेट्स के डिस्पैच तक)	50%	• फर्नेस बर्नर, फर्नेस हर्थ रोलर्स, लेवलर, लोड सेल, ऑटोमेशन
14.9	**एसएसएम (सिलिकॉन स्टील मिल)** (बाउंड्री लिमिट : पिकलिंग लाइन एंट्री से एसएसएम के डिस्पैच तक)	50%	• मिल स्टैंड, वर्क रोल और बैकअप रोल, एंटीफ्रिक्शन बीयरिंग, ऑयल फिल्म बीयरिंग, रोल चॉक्स, रोल फोर्स सिलेंडर, मिल स्पिंडल, मिल स्टैंड एमवी ड्राइव सिस्टम और मोटर्स, ऑटोमेशन सिस्टम, एनीलिंग फर्नेस, डीकार्बराइजिंग लाइन, इलेक्ट्रिकल स्टील परीक्षण इकाईयां (उदाहरण के लिए फिशर

			स्कोप मोटाई मापने वाला उपकरण, फ्रैंकलिन इंसुलेशन रेजिस्टिविटी टेस्टर, चुंबकीय कंसोल, स्टैकिंग फैक्टर टेस्टर)।
14.10	**सीआरएम (क्लस्टर मिल स्टैंड)** सेंडज़िमिर मिल (बाउंड्री लिमिट : सेंडज़िमिर मिल में एंट्री से एग्जिट तक)	50%	• सेंडज़िमिर मिल स्टैंड, वर्क रोल और बैकअप रोल, एंटीफ्रिक्शन बेयरिंग, ऑयल फिल्म बेयरिंग, रोल चॉक्स, रोल फोर्स सिलेंडर, मिल स्पिंडल, मिल स्टैंड एमवी ड्राइव सिस्टम और मोटर्स, ऑटोमेशन सिस्टम
14.11	**एचआरएम (स्टेकेल मिल)** (बाउंड्री लिमिट : कॉइलर फर्नेस एंट्री से स्टेकेल मिल तक और कॉइलर फर्नेस एग्जिट तक)	40%	• स्टेकेल मिल स्टैंड, हीटेड कॉइलर, वर्क रोल और बैकअप रोल, एंटीफ्रिक्शन बेयरिंग, ऑयल फिल्म बेयरिंग, रोल चॉक, रोल फोर्स सिलेंडर, मिल स्पिंडल, मिल स्टैंड एमवी ड्राइव सिस्टम और मोटर्स, ऑटोमेशन सिस्टम
15	**लॉग प्रोडक्ट मिल्स**		
15.1	**बार मिल/डब्ल्यू/एमएम/एलएसएम** (बाउंड्री लिमिट : फर्नेस एंट्री से डिस्पेच तक)	75%	• फास्ट फिनिशिंग ब्लॉक, रोल टर्निंग लेथ, प्रोफाइल गेज, ऑटोमेशन सिस्टम, आदि
15.2	**रेल मिल/हेवी स्ट्रकचरल मिल** (बाउंड्री लिमिट: मटीरियल हैंडलिंग को छोड़कर फर्नेस एंट्री से रेल वेल्डिंग संयंत्र एग्जिट तक)	45%	• मिल स्टैंड, मिल मोटर और ड्राइव सिस्टम, हीट ट्रीटमेंट इकाई, स्ट्रेटनिंग मशीन, • एनडीटी इकाईयां, वेल्डिंग मशीन, प्रोफाइल गेज, हॉट सॉ, कोल्ड सॉ, हॉट मार्किंग मशीन, रोल टर्निंग लेथ, सॉ ग्राइंडिंग मशीन, ऑटोमेशन सिस्टम, आदि।
15.3	ईआरडब्ल्यूपीपी (इलेक्ट्रिकल रेजिस्टेंस वेल्डेड पाइप संयंत्र) (बाउंड्री लिमिट: स्ट्रिप फीडिंग से फिनिशिंग इकाईयां और ईआरडब्ल्यूपीपी के डिस्पैच तक)	50%	• प्री-फॉर्मिंग यूनिट, ब्रेक-डाउन स्टैंड, एज बेंडर, यूनिवर्सल केज, फिनिशिंग पास (मल्टीपल स्टैंड), पाइप गाइड, हाई फ्रीक्वेंसी वेल्डिंग मशीन, हाई पावर इलेक्ट्रिक इंडक्टर, हाइड्रो टेस्टिंग, अल्ट्रासोनिक मशीन
15.4	एसडब्ल्यूपीपी (सर्पिल वेल्डेड पाइप संयंत्र) (बाउंड्री लिमिट: पाइप बनाने से फिनिशिंग इकाईयां और एसडब्ल्यूपीपी के डिस्पैच तक)	50%	• सबमर्ज्ड आर्क वेल्डिंग, आउटसाइड वेल्डिंग (स्केलप जॉइंट), एक्स- रे स्टेशन, हाइड्रो टेस्टिंग, बेवलिंग मशीन, अल्ट्रासोनिक मशीन, एंड रेडियोग्राफ स्टेशन

16	**व्हील संयंत्र**		
16.1	व्हील संयंत्र (राउंड/इनगॉट की रिसिप्ट से लेकर तैयार व्हील तक)	30%	• सर्कुलर सॉ, फोर्जिंग प्रेस, व्हील रोलिंग मिल, व्हील डिशिंग प्रेस, व्हील स्टैम्पिंग मशीन, रिम स्प्रेइंग मशीन, मोबाइल चार्जर, (हैंडलिंग रोबोट), मशीनिंग इकाईयां , टेस्टिंग इकाईयां, ऑटोमेशन सिस्टम आदि
16.2	रेलवे व्हील के लिए हीट ट्रीटमेंट इकाईयां (बाउंड्री लिमिट: हॉट डायमेंशन मेज़रमेंट से ब्लैक व्हील स्टोरेज तक का एग्जिट)	40%	• फर्नेस बर्नर, हर्थ रोलर्स, ऑटोमैटिक व्हील हैंडलिंग और क्वेंचिंग मशीन
16.3	व्हील और रेल के लिए नॉन डेस्ट्रक्टिव टेस्टिंग (एनडीटी) इकाईयां (बाउंड्री लिमिट: एनडीटी इकाईयां के एंट्री और एग्जिट)	30%	• हार्डनेस टेस्टिंग मशीन, अल्ट्रासोनिक टेस्टिंग मशीन, मैग्नेटिक पार्टिकल इंस्पेक्शन मशीन, एडी करंट टेस्टिंग मशीन
16.4	रोलिंग मिल स्टैंड के लिए फोर्ज्ड रोल विनिर्माण की इकाईयां (बाउंड्री लिमिट: फोर्ज्ड ब्लैंक रोल एंट्री से फिनिश्ड रोल के डिस्पैच तक)	30%	• फोर्जिंग प्रेस, मैनिपुलेटर्स, रोल हार्डनिंग मशीन, क्रायोजेनिक ट्रीटमेंट फैसिलिटी, टेम्परिंग फर्नेस, रोल ग्राइंडर, रोल टर्निंग लेथ, हार्डनेस टेस्टिंग मशीन, अल्ट्रासोनिक टेस्टिंग मशीन
16.5	आरजीबीएस/रोल शॉप	50%	• सीएनसी वर्क रोल ग्राइंडर/ सीएनसी कॉम्बी ग्राइंडर, सीएनसी रोल टर्निंग लेथ, • रोल के लिए इलेक्ट्रिक डिस्चार्ज टेक्सचरिंग (ईडीटी) और इलेक्ट्रिक डिस्चार्ज मशीनिंग (ईडीएम) की इकाईयां
17	रिफ्रेक्टरी ब्रिक (कच्चे माल की प्राप्ति से लेकर तैयार ब्रिक तक)	50%	• हाइड्रोलिक प्रेस
18	इल्केट्रिकल (विद्युत गुणवत्ता प्रणाली)	30%	• एमवीस्टेटकॉम • (स्टेटिक सिंक्रोनस कंपेंसेटर) प्रणाली
	अन्य सहायक और उपयोगिता वाले उपस्कर		
19	**कैल्सीनेशन संयंत्र** (कैल्साइन्ड लाइम और डोलो)		• फायरिंग सिस्टम, शाफ्ट लेवल इंडिकेटर, ऑटोमेशन सिस्टम • वीएफडीऔर सॉफ्ट स्टार्टर कार्ड। ड्राइविंग एयर ब्लोअर, डीडस्टिंग ड्राफ्ट फैन,

		कूलिंग एयर फैन, लाइम कूलिंग फैन, वेस्ट गैस फैन, गैस बूस्टर फैन असेंबली • हाइड्रॉलिक सिलेंडर, हाइड्रॉलिक मोटर्स, हाइड्रॉलिक स्टेशन।
20	**इलेक्ट्रिक मोटर चालित कोल्ड ब्लास्ट ब्लोअर** (एक्सियल/ एक्सियल लास्ट स्टेज रेडियल के साथ)	• एक्सियल / एक्सियल लास्ट स्टेज रेडियल ब्लोअर के साथ • ड्राइव सिस्टम के साथ मोटर • ब्लो - ऑफ वाल्व • ब्लोअर नॉन - रिटर्न वाल्व • नियंत्रण और इंस्ट्रूमेंटेशन आइटम
21	स्टीम टर्बाइन चालित कोल्ड ब्लास्ट ब्लोअर (एक्सियल/एक्सियल लास्ट स्टेज रेडियल के साथ)	• एक्सियल / एक्सियल लास्ट स्टेज रेडियल ब्लोअर के साथ • ब्लो - ऑफ वाल्व • ब्लोअर नॉन - रिटर्न वाल्व • कंट्रोल एंड इंस्ट्रूमेंटेशन आइटम
22	**डीजल इंजन चालित कोल्ड ब्लास्ट ब्लोअर** (एक्सियल/एक्सियल लास्ट स्टेज रेडियल रेडियल के साथ)	• एक्सियल/एक्सियल लास्ट स्टेज रेडियल ब्लोअर के साथ / रेडियल ब्लोअर और सिस्टम • डीजल इंजन • ब्लो-ऑफ वाल्व • ब्लोअर नॉन - रिटर्न वाल्व • कंट्रोल एंड इंस्ट्रूमेंटेशन आइटम
23	**गैस फायरड़/हीट रिकवरी बॉयलर**	• विशेष ग्रेड प्लेट्स और ट्यूब्स • फ्लेम स्कैनर • इंस्ट्रूमेंटेशन एंड कंट्रोल
24	**स्टीम टरबाइन** (एक्सट्रेशन/बीपीटीजी)	• स्पेशल ग्रेड ब्लेड सामग्री • गवर्निंग सिस्टम • टर्बो पर्यवेक्षी प्रणाली • इंस्ट्रूमेंटेशन एंड कंट्रोल
25	**गैस होल्डर**	• गैसहोल्डर सील, सीलेंट। • फिटिंग के साथ लेवल वेट रोप • वी.आर.वाल्व गैस्केट • डबल/ट्रिपल मेम्ब्रेन सिस्टम के लिए स्पेशल मेम्ब्रेन • हाईड्रोलिक
26	**हाई प्रेशर गैस बूस्टर** (आउटलेट प्रेशर > 2000 एमएम डब्ल्यूसी)	• गैस बूस्टर जिसमें कंट्रोल और बाईपास वाल्व शामिल हैं • पिस्टन रिंग्स • कंसेंट्रेट रिंग टाईप वाल्व (एसएस)

27	**प्रदूषण नियंत्रण प्रणालियाँ**	• टीआर सेट • कंट्रोलर्स • इंसुलेटरर्स • ईएसपी इलेक्ट्रिकल कंपोनेंट • कंट्रोल एंड इंस्ट्रूमेंटेशन आइटम
28	**जल एवं अपशिष्ट उपचार प्रणाली**	• मेंब्रेन • इवेपोरेटर (कंप्रेसर और टाइटेनियम शीट) • एचपी पंप्स • कंट्रोल एंड इंस्ट्रूमेंटेशन आइटम
29	**कंप्रेस्ड एयर स्टेशन**	• सेंट्रीफ्यूगल कंप्रेसर कोर असेंबली जिसमें इम्पेलर्स, बुल गियर, पिनियन शाफ्ट, बेयरिंग्स, वाइब्रेशन प्रोब्स और लोकल कंट्रोल पैनल शामिल हैं ।
30	**हाइड्रोजन संयंत्र**	• इलेक्ट्रोलाइज़र इकाई • एचपी कंप्रेसर • कंट्रोल एंड इंस्ट्रूमेंटेशन आइटम
31	**पैकेज्ड चिलर्स**	• कंप्रेसर • कंट्रोल एंड इंस्ट्रूमेंटेशन आइटम
32	**अन्य उपयोगिता वाले क्षेत्र जैसे-** एयर कंडीशनिंग और वेंटिलेशन सिस्टम, वीएएम बेस्ड चिलर सिस्टम, फायरफाइटिंग सिस्टम, गैस बूस्टर (डीपी 2000 एमएम डब्ल्यूसी से कम), कूलिंग वॉटर सिस्टम (पंपिंग स्टेशन, फिल्टर, कूलिंग टावर, हीट एक्सचेंजर, आदि), गैस मिक्सिंग स्टेशन, पॉल्यूशन कंट्रोल सिस्टम, इंटर प्लांट पाइपिंग सिस्टम	• आइटम/इक्विपमेंट में सब-कंपोनेंट/पार्ट्स होते हैं जो आयात किए जाते हैं • कंप्रेसर, चिलर, क्रेन एसी यूनिट, एक्पेनशन वाल्व, उपकरण, उच्च तापमान अनुप्रयोग वाले एसी।
33	**इलेक्ट्रिक ओवरहेड ट्रैवलिंग क्रेन और गैन्ट्री क्रेन, इलेक्ट्रिक होइस्ट**	• बैरल कपलिंग, हेवी ड्यूटी बेयरिंग, क्रेन रेल लुब्रिकेशन, स्लू रिंग बेयरिंग, टोंग्स
34	**इंजीनियरिंग शॉप**	• सीएनसी लेथ, सीएनसी मिलिंग मशीन
35	पावर जेनरेशन, ट्रांसमिशन और डिस्ट्रीब्यूशन सिस्टम; शॉप इलेक्ट्रिक्स जिसमें पावर और कंट्रोल सिस्टम और उससे जुड़े इलेक्ट्रिकल काम शामिल हैं	विद्युत मंत्रालय की मिनिमम लोकल कंटेंट (एमएससी)% गाइडलाइन के अनुसार

नोट : सभी उपस्कर की अधिप्राप्तिअनुपालन विद्युत मंत्रालय की दिशानिर्देशों के अंतर्गत/ क्लास-I श्रेणी के अनुसार किया जाएगा। ऐसे मामलों में जहाँ उपकरण क्लास-I श्रेणी में शामिल नहीं हैं, या जहाँ उपस्कर की श्रेणीकरण विशिष्टता विद्युत मंत्रालय की/दिशानिर्देशों में स्पष्ट रूप से परिभाषित नहीं है, वहाँ डीपीआईटीटी द्वारा जारी क्लास-I और क्लास-II श्रेणियों से संबंधित प्रावधानों का पालन किया जाएगा।

36	**इंस्ट्रूमेंटेशन आइटम/उपस्कर** **	डीपीआईटीटी के दिशानिर्देशों के अनुसार*	• अबोव/अंडर बर्डन जांच प्रणाली • प्रोफाइलोमीटर • बर्डन कैमरा • तुयेरे फिनोमिना डिटेक्शन प्रणाली (टीपीडीएस) • टॉप गैस एनालाइज़र (सीओ,सीओ$_2$,एच$_2$,ओ$_2$, पॉल्यूटेंट्स) • फ्लो जाम स्विच • एलिमेंटल एनालाईजर • मॉइस्चर एनालाईजर(न्यूक्लिओनिक) • सीवी एनालाईजर • थिकनेस गेज • हॉट मेटल डिटेक्टर • विड्थ गेज • फर्नेस कैमरा • मल्टीफेज प्रोफ़ाइल गेज • मल्टीफंक्शन/शेप गेज • सतह निरीक्षण प्रणाली • लेजर डॉप्लर वेलोसीटी मीटर • ऑप्टिकल बैरियर • हॉट रोलिंग के लिए थर्मल इमेजिंग सिस्टम • ऑटोमैटिक गेज कंट्रोल (एजीसी) सेंसर (रोल फोर्स, गैप, प्रेशर) • ऑनलाइन मैकेनिकल प्रॉपर्टी प्रेडिक्शन सिस्टम (एआई + सेंसर) • ऑयल फिल्म थिकनेस मॉनिटरिंग सिस्टम (कोल्ड रोलिंग) • एक्स-रे या न्यूक्लिओनिक आधारित कोटिंग थिकनेस गेज • मास फ्लो मीटर • हाइड्रिस (मोल्टन स्टील में हाइड्रोजन का पता लगाना) • मोल्ड लेवल मीजरमेंट • ब्रेक-आउट प्रीडीक्शन प्रणाली (बीओपीएस) • इल्क्ट्रोमैग्नेटिक ब्रेक (ईएमबीआर) नियंत्रण और सेंसर • लेडल ट्रैकिंग और प्रबंधन प्रणाली • स्लैग डिटेक्शन सिस्टम (एसडीएस)/ स्लैग मॉनिटरिंग सिस्टम • बीओएफ एंडपॉइंट डिटेक्शन (लेजर-इंडुय्स्ड

			ब्रेकडाउन स्पेक्ट्रोस्कोपी-एलआईबीएस) • सब-लांस सिस्टम (टेम्परेचर + O_2 + कार्बन + सैंपलिंग) • लैडल रिफ्रैक्टरी वियर मॉनिटरिंग (लेजर/ अल्ट्रासोनिक/इंफ्रारेड) • कंटीन्यूअस एमिशन मॉनिटरिंग सिस्टम (सीईएसएस- एसओx , एनओx, पीएस, सीओ, सीओ$_2$, ओ$_2$, एच2 के लिए इम्पोर्टेड एनालाइज़र) • बीओएफ/ ईएएफ (सीओ, सीओ$_2$, ओ$_2$, एच2 डस्ट) के लिए ऑफ - गैस एनालाइज़र • वॉटर क्वालिटी एनालाइज़र (पीएच, कंडक्टिविटी, ऑयल - इन - वॉटर, टीओसी, सिलिका, बीओडी, सीओडी, टीएसएस, टीडीएस, फिनोल, साइनाइड) • लेजर - आधारित गैस लीक डिटेक्टर (सीएज$_4$, सीओ, एच$_2$, एच2एस) • अक्सोटिक/ अल्ट्रासोनिक रिसाव का पता लगाना • वाइब्रेशन / कंडीशन मॉनिटरिंग सेंसर / एक्सियल शिफ्ट / डिफरेंशियल एक्सपेंशन मॉनिटरिंग सिस्टम • टक्कर रोधी प्रणाली (रडार/लेजर/लिडार) • ओवन पहचान प्रणाली (ओआईएस) • पाइरोमीटर • लोमास विश्लेषक • प्रेशर,टेम्परेचर और इलेक्ट्रोटेक्निकल पैरामीटर्स के लिए मास्टर कैलिब्रेटर • सिंटर संयंत्र में इरिच मिक्सर्स में स्थापित उपकरण और हैंज़ेल निर्मित लुब्रिकेशन प्रणालियाँ • टर्बाइन और टर्बो ब्लोअर के लिए गवर्नर सिस्टम • बाई-प्रोडक्ट संयंत्र के लिए टेल गैस एनालाइज़र • कोक बकेट लिफ्टर और रिवर्सिंग विंच में प्रयोग में आने वाले फोर्स सेंसर • एनकोडर, • हाइड्रोलिक वाल्व नियंत्रक • बीएलटी में स्थापित उपस्कर (टिल्ट स्विच,

			सोनिक सेंसर, एनकोडर,आदि) • फ्लेम सेंसर/स्कैनर
37	**ऑटोमेशन आइटम/उपस्कर ****	डीपीआईटीटी के दिशानिर्देशों के अनुसार *	
38	**वॉयस कम्युनिकेशन सिस्टम ****	डीपीआईटीटी के दिशानिर्देशों के अनुसार *	
39	**फायर डिटेक्शन और अलार्म (एफडीए) प्रणाली ****	डीपीआईटीटी के दिशानिर्देशों के अनुसार *	
40	**सीसीटीवी प्रणाली ****	डीपीआईटीटी के दिशानिर्देशों के अनुसार *	

नोट:

* इंस्ट्रूमेंटेशन, ऑटोमेशन संचार उपस्कर, फायर डिटेक्शन एंड अलार्म (एफडीए) प्रणाली और सीसीटीवी प्रणाली डीपीआईआईटी के साथ-साथ एमईआईटीवाई दिशानिर्देशों के अनुसार क्लास- I और क्लास- II आपूर्तिकर्ता मानदंडो के अनुरूप पूंजीगत वस्तुओं के लिए घरेलू सामग्री आवश्यकताओं का अनुपालन करेगी।

** अत्यधिक विशिष्ट उपस्कर, कंपोनेंट्स, और ज़रूरी पार्ट्स जैसे इंस्ट्रूमेंटेशन, ऑटोमेशन, कम्युनिकेशन सिस्टम, फायर डिटेक्शन और अलार्म (एफडीए) सिस्टम, और सीसीटीवी सिस्टम के लिए सेमीकंडक्टर चिप्स अभी वैश्विक प्रौद्योगिकी वाली अग्रणी कंपनियों से लिए जा रहे हैं। हालांकि, पूरे सिस्टम असेंबली, इंटीग्रेशन, और मैन्युफैक्चरिंग का कार्य भारत में ही किया जा रहा है, और शेष कंपोनेंट्स स्वदेसी स्रोतो से अधिप्राप्त किये जा रहे हैं।

परिशिष्ट-ग

लौह एवं इस्पात क्षेत्र में स्वदेशी प्रौद्योगिकियों को बढ़ावा देना

1) **उद्देश्य:**

इस्पात विनिर्माण के सभी चरणों में स्वदेशी प्रौद्योगिकियों का अंगीकरण, विकास और विस्तार को प्रोत्साहित करके भारतीय लौह एवं इस्पात क्षेत्र में आत्मनिर्भरता को बढ़ावा देना।

2) **विषय क्षेत्र:**

यह नीति इस्पात बनाने या इस्पात विनिर्माण संयंत्र स्थापित करने वाले केन्द्रीय सार्वजनिक क्षेत्र के उद्यमों पर लागू होती है।

3) **नीति निदेश:**

3.1 ऐसे मामले जहां प्रौद्योगिकी और पूर्व इंजीनियरिंग एवं आपूर्ति के लिए प्रमाण उपलब्ध हैं, लेकिन वर्तमान क्षमता आवश्यकता से मेल नहीं खाते हैं, ऐसे मामलों में स्वदेशी प्रौद्योगिकी प्रदाताओं के लिए निम्नलिखित शर्तें लागू होंगी:

3.1.1 उत्पादन क्षमता प्रस्तावित संयंत्र की क्षमता का 30% होगी

3.1.2 वेंड़र्स के साथ स्पष्ट साझेदारी की प्रामाणिक उपलब्धता

3.1.3 प्रस्तावित संयंत्र की क्षमता के कम से कम 75% के लिए परियोजनाओं की डिटेल इंजीनियरिंग कार्यों का अनुभव

3.2 ऐसे मामले जहां प्रौद्योगिकी उपलब्ध है, लेकिन अर्लियर सप्लाई के लिए कोई संदर्भ उपलब्ध नहीं है, ऐसे मामलों में स्वदेशी प्रौद्योगिकी प्रदाताओं के लिए निम्नलिखित शर्तें लागू होंगी:

3.2.1 स्वदेशी प्रौद्योगिकी आपूर्तिकर्ता ने प्रस्तावित परियोजना की कम से कम 75% विशेषताओं से मेल खाते हुए परियोजनाओं की डिटेल इंजीनियरिंग कार्य किया हो

3.2.2 स्वदेशी प्रौद्योगिकी आपूर्तिकर्ता ने प्रस्तावित परियोजना की महत्वपूर्ण विशेषताओं से 100% मेल खाते हुए डिटेल इंजीनियरिंग कार्य किया हो

3.2.3 वेंड़र्स के साथ स्पष्ट गठजोड़ की उपलब्धता

3.2.4 प्रौद्योगिकी उपलब्धता के प्रमाणिक साक्ष्य (आईपीआर या अन्य पर्याप्त साक्ष्य)

3.3 ऐसे मामलों में जहाँ कोई भारतीय प्रौद्योगिकी उपलब्ध नहीं है, वहाँ यदि कोई विदेशी प्रौद्योगिकी प्रदाता तीन वर्षों के भीतर भारतीय सीपीएसई (जिसमें अधिप्राप्ति करने वाली इकाई भी शामिल है) को प्रशिक्षण और सहयोग सहित प्रौद्योगिकी हस्तांतरण करने का वचन देता है, तो उसे घरेलू मूल्य संवर्धन के प्रतिशत पर ध्यान दिए बिना माना हुआ श्रेणी-1 आपूर्तिकर्ता (डीम्ड क्लास-1 सप्लायर) माना जाएगा। इस स्थिति में, क्रय वरीयता उस विदेशी प्रौद्योगिकी प्रदाता को दी जाएगी, जैसा कि डीपीआईआईटी के सार्वजनिक अधिप्राप्ति (मेक इन इंडिया को प्राथमिकता) आदेश में समय-समय पर संशोधित किया गया है।

4) **कार्यान्वयन निरीक्षण:**

इस्पात मंत्रालय द्वारा गठित स्थायी समिति कार्यान्वयन की निगरानी करेगी, विवादों का समाधान करेगी तथा पात्रता एवं प्रोत्साहन मानदंडों को समय-समय पर अद्यतन करेगी।

प्रपत्र-1

मेल्ट एंड पोर आवश्यकताओं (परिशिष्ट- क*) और/या घरेलू मूल्य वर्धन आवश्यकताओं (परिशिष्ट-क और परिशिष्ट-ख*) के अनुपालन के लिए स्व-प्रमाणन का हलफनामा

*परिशिष्ट-ख पूंजीगत वस्तुओं के लिए, नीति के तहत अनिवार्य रूप से वैधानिक लेखापरीक्षक/लागत लेखापरीक्षक/सीए प्रमाणपत्र के साथ यह शपथपत्र अवश्य संलग्न होना चाहिए।

मैं,_____,निवास_____,मेसर्स_____

_के अधिकृत हस्ताक्षरकर्ता होने के नाते _____ एतद्द्वारा पूर्णतया प्रतिज्ञा और घोषणा करता/करती हूँ;

1. मैंने दिनांक_____ को जारी अधिसूचना संख्या_____ घरेलू स्तर पर विनिर्मित लौह एवं इस्पात उत्पाद (डीएमआई एवं एसपी) नीति, 2025, को पढ़ और समझ लिया है। मैं उक्त नीति और उस निविदा की सभी शर्तों और नियमों का पालन करने के लिए सहमत हूं जिसके संबंध में यह शपथपत्र प्रस्तुत किया गया है।

2. यह शपथपत्र निम्नलिखित लौह एवं इस्पात उत्पाद/पूंजीगत वस्तुओं से संबंधित है:

उत्पाद का नाम: _____

एचएस कोड: _____

परिशिष्ट वर्गीकरण: परिशिष्ट-क/परिशिष्ट-ख (जैसा लागू हो, चुनें)

प्रापण एजेंसी: _____

3. मेल्ट एंड पोर - यह केवल परिशिष्ट-क में उल्लिखित उन वस्तुओं पर लागू होता है जिनमें मेल्ट एंड पोर संबंधी शर्त होती है।

मैं एतद्द्वारा घोषणा करता/करती हूँ कि उपरोक्त उत्पाद भारत में मेल्ट एंड पोर की आवश्यकताओं जैसा कि विशेष रूप से परिशिष्ट- क में अधिसूचित किया है, को पूरा करते हैं। विशेष रूप से:

भारत में ही इस्पात को मेल्ट और पोर किया गया था।

पहला सॉलिड शेप (स्लैब/बिलेट/इनगॉट/अन्य) निम्नलिखित स्थान(स्थानों) पर उत्पादित किया गया था:

इस्पात निर्माण इकाई: _____स्थान: _____ हीट रिकॉर्ड; _____ बैच विवरण: _____

मैं प्रापण एजेंसी द्वारा आवश्यकता पड़ने पर इस घोषणा को प्रमाणित करने के लिए मिल परीक्षण प्रमाण पत्र, हीट रिकॉर्ड और कोई अन्य दस्तावेजी प्रमाण प्रस्तुत करने का वचन देता हूं।

(यदि लागू न हो, तो "लागू नहीं" लिखें।)

4. घरेलू मूल्य संवर्धन - परिशिष्ट-क डीवीए मदों और परिशिष्ट-ख पूंजीगत वस्तुओं पर लागू:

मैं एतद्द्वारा घोषणा करता/करती हूँ कि उत्पाद(उत्पादों) का घरेलू मूल्यवर्धन (डीवीए)% _____ है। डीवीए की गणना डीपीआईआईटी दिशानिर्देशों और डीएमआईएंडएसपी नीति, 2025 में निर्दिष्ट फार्मुला के अनुसार की गई है।

4क. परिशिष्ट- ख पूंजीगत वस्तुओं (अनिवार्य) के लिए: वैधानिक लेखापरीक्षक/लागत लेखा परीक्षक/चार्टर्ड लेखाकार द्वारा जारी प्रमाण पत्र संलग्न है, जो नीति के अनुसार पूंजीगत वस्तु पैकेज के डीवीए की पुष्टि करता है।

(यदि यह केवल परिशिष्ट-क का आइटम है, तो इस खंड को रद्द कर दें।)

5. मैं पुष्टि करता/करती हूँ कि: दी गई सभी जानकारी सत्य और सही है। सभी इनपुट स्टील की लागत, आयातित सामग्री और घरेलू सामग्री की गणना सत्यापित की जा चुकी है। सभी उत्पादन, खरीद और मूल्य निर्धारण संबंधी रिकॉर्ड जांच के लिए उपलब्ध हैं।

यदि कोई भी जानकारी गलत या भ्रामक पाई जाती है: प्रापण एजेंसी अपने मानदंडों के अनुसार मुझे/मेरी फर्म को सरकारी निविदाओं से अयोग्य घोषित कर सकती है। मैं नीति और निविदा शर्तों के अनुसार, ईएमडी की जब्ती सहित सभी मूल्यांकन लागतों और जुर्माने का भुगतान करने के लिए सहमत हूं।

6. मैं संबंधित रिकॉर्ड को बनाए रखने और उन्हें किसी भी वैधानिक प्राधिकारी को उपलब्ध कराने का वचन देता हूं।

7. घोषणा: मैं एतद्द्वारा घोषणा करता/करती हूँ कि ऊपर दिए गए कथन मेरी जानकारी और विश्वास के अनुसार सत्य है। मैं समझता/समझती हूँ कि किसी भी प्रकार की गलत जानकारी देने पर डीएमआईएंडएसपी नीति, लागू कानूनों और निविदा शर्तों के तहत दंड का प्रावधान होगा।

(स्थान एवं दिनांक)

मैसर्स_____

के लिए और उनकी ओर से

(अधिकृत हस्ताक्षरकर्ता)

[फा. सं. 8(2)/2023-आईडी-I]

अभिजीत नरेंद्र, संयुक्त सचिव

MINISTRY OF STEEL

NOTIFICATION

New Delhi, the 17th December, 2025

G.S.R. 904(E).— In supersession of earlier Domestically Manufactured Iron & Steel Products Policy, the revised Domestically Manufactured Iron & Steel Products Policy-2025 for providing preference to Domestically Manufactured Iron & Steel Products in Government procurement is hereby published for general information.

POLICY FOR PROVIDING PREFERENCE TO DOMESTICALLY MANUFACTURED IRON & STEEL PRODUCTS IN GOVERNMENT PROCUREMENT- REVISED, 2025

1. **Background**

1.1. This policy provides preference for Domestically Manufactured Iron and Steel Products (DMI&SP) in Government procurement.

1.2. The policy applies to procurement of iron & steel products notified in Appendix A, procurement of capital goods listed in Appendix B and technology from indigenous technology suppliers in Appendix C.

2. **Definitions**

2.1. **Bidder** may be a domestic/foreign manufacturer of iron & steel or their selling agents/ authorized distributors/authorized dealers/ authorized supply house or any other company engaged in the bidding of projects funded by Government agencies.

2.2. **Domestically Manufactured Iron & Steel Products** are those iron and steel products that are manufactured by entities that are registered and established in India, including in Special Economic Zones (SEZs).

2.3. **Domestic Manufacturer** is a manufacturer conforming to Section 2(72) of the Central Goods and Services Tax (CGST) Act, 2017.

2.4. **Domestic value addition** means the amount of value added in India which shall be the total value of the item to be procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all custom duties) as a proportion of the total value of the item to be procured, in percent. The 'domestic value addition' definition shall be in line with the DPIIT guidelines and shall be suitably amended in case of any changes by DPIIT in the future. For the purpose of this policy document, domestic value addition and local content have been used interchangeably.

% Domestic value addition =

{Total value of the item to be procured (excluding net domestic indirect taxes) – The value of

imported content in the item (including all customs duties)}

---------- X 100%

{Total value of the item to be procured}

2.5. **Finished Steel** means flat and long products, which can be subsequently processed into manufactured items.

2.6. **Government** for the purpose of the Policy means Government of India.

2.7. **Government agencies** include Government PSUs, Societies, Trusts, and Statutory bodies set up by the Government of India.

2.8. **Indigenous Technology:** A technology shall be deemed to be Indigenous technology if, at least 51 % of the entity's equity is held by Indian residents and the IPR is owned or co-owned by an Indian entity or licensed exclusively to them and the core engineering R&D, and project execution capabilities reside in India.

2.9. **L1** means the lowest tender, or the lowest bid or the lowest quotation received in a tender, bidding process, or other procurement solicitation as adjudged in the evaluation process as per the tender or other procurement solicitation.

2.10. **MoS** means Ministry of Steel, Government of India.

2.11. **Margin of purchase preference** means the maximum extent to which the price quoted by a domestic supplier may be above L1 for the purpose of purchase preference. In the case of DMI&SP policy, the margin of purchase preference shall be 20% for items in Appendix B.

2.12. **Melt & Pour** is defined as the steel that has been produced in a steel-making furnace and poured into its first solid shape. The location where this process takes place is called the country of melt and pour (COM). The COM is the original location where crude steel is first produced in a liquid state and poured into its first solid shape. The country of melt and pour (COM) should be India. The first solid shape can be a semi-finished product, like a slab, billet, ingot, or a finished steel mill product.

2.13. **Net Selling Price** means the invoiced price excluding net domestic taxes and duties.

2.14. **Semi-Finished Steel** means Ingots, billets, blooms, and slabs, which can be subsequently processed into finished steel.

3. **Exclusions**

3.1. Waivers may be granted by the Ministry of Steel to all such Government procurements subject to the below conditions:

3.1.1. Where specific grades of steel are not manufactured in the country, or

3.1.2. Where the quantities as per the demand of the project cannot be met through domestic sources.

3.2. Exemption requests shall be submitted to the Standing Committee along with sufficient proof of unavailability of iron & steel products domestically.

4. **Standing Committee**

4.1. A Standing Committee chaired by the Secretary (Steel), shall oversee the implementation of the policy.

4.2. The Committee shall comprise of experts drawn from Industry/Industry Association/Government Institution or Body/Ministry of Steel. The said Committee in MoS shall have the mandate for the following:

4.2.1. Monitor the implementation of the policy.

4.2.2. Review and notify the list of Iron & Steel products, the domestic content requirement criteria and policy directives as mentioned in Appendix A, Appendix B and Appendix C.

4.2.3. Issue necessary clarifications for implementation of the policy including grant of exclusions to procuring agencies.

4.2.4. Constitute a grievance redressal committee for preliminary examination of complaints related to implementation of this policy.

4.2.5. Issue directions for suitable action to Ministries/Departments concerned in case of non-compliance with this policy by the procuring agency and advise.

4.3. Wherever a procuring entity concludes that an unreasonably high price has been quoted by the sole bidder/manufacturer, the matter may be referred to the Committee. In such cases, the procuring entity would be required to substantiate its case with complete and thorough documentation.

4.4. Specifying foreign certifications/unreasonable technical specifications in bid document is a restrictive and discriminatory practice against local suppliers. If foreign certification is required to be stipulated because of non-availability of Indian Standards and/or for any other reason, the same shall be done only after written approval of the Committee.

5. **Applicability**

5.1. The policy applies to every Ministry or Department of Government and all agencies/entities under their administrative control and to projects funded by these agencies for the purchase of iron & steel products for government projects. All Central Sector Schemes (CS)/Centrally Sponsored Schemes (CSS) for which procurement is made by States and Local Bodies, come within the purview of this Policy if that project/scheme is fully/partly funded by the Government of India.

5.2. The policy applies to public sector steel manufacturers and agencies/entities under their administrative control for purchase of capital goods (Appendix-B) for manufacturing iron & steel products.

5.3. Appendix-B contains the list of capital goods used in manufacturing iron & steel products which can be imported, and the applicable minimum domestic content requirement for packages.

5.4. A purchase preference of 20% is applicable for capital goods used in steel manufacturing. For example, if the lowest bidder (L1) for an importable capital good is a foreign company with a quoted price of Rs.100 crore for the product package, under the policy, procurement preference of 20% will be applicable to a domestic supplier of the same capital good.

5.5. Appendix-C contains directives and methodology for steelmaking CPSEs to procure from indigenous technology suppliers.

5.6. The policy shall apply to projects and non-projects where the total procurement value of iron and steel products (Appendix-A) in a contract is greater than Rs. 5 lakhs, on itemized basis.

5.7. No Global Tender Enquiry (GTE) shall be invited for tenders related to the procurement of iron and steel products (Appendix-A of the DMI&SP Policy). No Global Tender Enquiry (GTE) shall be invited for tenders related to the procurement of Capital Goods for manufacturing iron & steel products (Appendix-B of the DMI&SP Policy) having estimated value up to Rs. 200 crore except with the approval of competent authority as designated by Department of Expenditure.

5.8. The policy applies to the purchase of iron & steel products by private agencies for fulfilling an EPC contract and/or any other requirement of a Ministry or Department of Government or their PSUs.

6. **Tender procedure for procurement**

6.1. Procuring agencies shall follow standard government procurement procedures while adhering to the DMI&SP policy.

6.2. The tender document, for procurement of both Goods as well as for EPC contracts, should explicitly outline the qualification criteria for adherence to the requirement as mentioned in Appendix A and Appendix B.

6.3. All bidders – including manufacturers, selling agents, authorized distributors, authorized dealers, and authorized supply houses – shall submit Form-1 as part of their bid, irrespective of whether they are the manufacturer or otherwise.

6.4. Bidders who are selling agents/authorized distributors/authorized dealers/authorized supply houses of the domestic manufacturers of iron & steel products, covered by Appendix-A, are eligible to bid with self-certification on behalf of the domestic manufacturers under the policy, subject to the bidder furnishing an authorization certificate issued by the domestic manufacturer at the time of delivery.

6.5. For products covered under Appendix B of the DMI&SP policy, the bidder shall furnish certification issued by the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) declaring that the capital goods to be used in iron & steel industry are domestically manufactured in terms of the domestic value addition prescribed.

6.6. If Indian suppliers of an item are not allowed to participate and/ or compete in procurement by any foreign government, due to restrictive tender conditions which have direct or indirect effect of barring Indian companies such as registration in the procuring country, execution of projects of specific value in the procuring country etc., it shall provide such details to the procuring entities for appropriate reciprocal action.

6.7. Entities of countries that have been identified by the Ministry of Steel as not allowing Indian companies to participate in their Government procurement for any item related to the Ministry of Steel shall not be allowed to participate in Government procurement in India for all items related to Ministry of Steel, except for the list of items published by Ministry of Steel permitting their participation.

6.8. The stipulation above shall be part of all tenders including those on GeM portal invited by the Central Government procuring entities.

6.9. In case restrictive or discriminatory conditions against domestic suppliers are included in bid documents, an inquiry shall be conducted by the Administrative Department undertaking the procurement (including procurement by any entity under its administrative control) to fix responsibility for the same. Thereafter, appropriate action, administrative or otherwise, shall be taken against erring officials of procurement entities under relevant provisions. Intimation on all such action shall be sent to the Standing Committee under the DMI&SP policy.

6.10. A supplier debarred by any procuring entity for violation of this Order shall not be eligible for preference under this Order for procurement by any other procuring entity for the duration of the debarment. The debarment for such other procuring entities shall take effect prospectively from the date on which it comes to the notice of other procurement entities.

6.11. In case, the matter is referred to the Ministry of Steel, the grievance redressal committee set up under the MoS shall dispose of the complaint within 4 weeks of its reference and receipt of all documents from the bidder after taking into consideration, the view of the Government Agency. The bidder shall be required to furnish the necessary documentation in support of domestic value addition claimed in iron & steel products to the grievance redressal committee under MoS within 2 weeks of the reference of the matter.

6.12. Procuring agency shall define the penalties, in case of a wrong declaration by the bidder of the prescribed domestic value addition, in the tender document. The penalties may include forfeiting of the EMD, other financial penalties, and blacklisting of such manufacturer/service provider etc., in terms of extant rules.

7. Implementation monitoring by the Ministry of Steel

7.1. The policy provisions shall be applicable for 5 years from the date of publication and may further be extended at the discretion of the Ministry of Steel.

7.2. MoS shall be the nodal ministry to monitor the implementation of the policy.

7.3. Agencies covered under DMI&SP policy shall send declaration on a quarterly basis indicating the extent of compliance to the policy and reasons for non-compliance thereof, during the preceding financial year.

Appendix-A

List of iron and steel products which can only be procured from domestic sources

Sl. No	Iron & Steel Products	HS Code	Condition
1	Flat-rolled products of iron or non-alloy steel, of a width of 600 mm or more, hot rolled, not clad, plated or coated	7208	Melt & Pour
2	Flat-rolled products of iron or non-alloy steel, of a width of 600 mm or more, cold rolled (cold-reduced), not clad, plated or coated	7209	Melt & Pour
3	Flat-rolled products of iron or non-alloy steel, of a width of 600 mm or more, clad, plated or coated	7210	Melt & Pour
4	Flat-rolled products of iron or non-alloy steel, of a width of less than 600 mm, not clad, plated or coated	7211	Melt & Pour
5	Flat-rolled products of iron or non-alloy steel, of a width of less than 600 mm, clad, plated or coated	7212	Melt & Pour
6	Bars and rods, hot-rolled, in irregularly wound coils, of iron or non-alloy steel	7213	Melt & Pour
7	Other bars and rods of iron or non-alloy steel, not further worked than forged, hot rolled, hot-drawn or hot-extruded, but including those twisted after rolling	7214	Melt & Pour
8	Other bars and rods of iron or non-alloy steel	7215	Melt & Pour
9	Angles, shapes and sections of iron or non-alloy steel	7216	Melt & Pour
10	Wire of iron or non-alloy steel	7217	Melt & Pour
11	Flat-rolled products of stainless steel, of a width of 600 mm or more	7219	Melt & Pour
12	Flat-rolled products of stainless steel, of a width of less than 600 mm	7220	Melt & Pour
13	Other bars and rods of stainless steel; angles, shapes and sections of stainless steel	7222	Melt & Pour
14	Wire of other alloy steel	7229	Melt & Pour

15	Rails, railway or tramway track construction material of iron or steel	7302	50% Domestic Value Addition
16	Tubes, pipes and hollow profiles, of cast iron	7303	50% Domestic Value Addition
17	Tubes, pipes and hollow profiles, seamless, of iron (other than cast iron) or steel	7304	50% Domestic Value Addition
18	Other tubes and pipes (for example, welded, riveted or similarly closed), having circular cross-sections, the external diameter of which exceeds 406.4 mm, of iron or steel	7305	50% Domestic Value Addition
19	Other tubes, pipes and hollow profiles (for example, open seam or welded, riveted or similarly closed), of iron or steel	7306	50% Domestic Value Addition
20	Tube or pipe fittings (for example, connectors/couplings, elbow sleeves), of iron or steel	7307	50% Domestic Value Addition
21	Bars and rods, hot-rolled, in irregularly wound coils, of stainless steel	7221	Melt & Pour
22	Wire of stainless steel	7223	Melt & Pour
23	Flat-rolled products of other alloy steel, of a width of 600 mm or more, including electrical steel	7225	Melt & Pour
24	Flat-rolled products of other alloy steel, of a width of less than 600 mm, including electrical steel	7226	Melt & Pour
25	Bars and rods, hot-rolled, in irregularly wound coils, of other alloy steel	7227	Melt & Pour
26	Other bars and rods of other alloy steel; angles, shapes and sections, of other alloy steel; hollow drill bars and rods, of alloy or non-alloy steel	7228	Melt & Pour
27	Sheet piling of iron or steel, whether or not drilled, punched or made from assembled elements; welded angles, shapes and sections, of iron or steel	7301	50% Domestic Value Addition
28	Structures (excluding prefabricated buildings of heading 9406) and parts of structures	7308	50% Domestic Value Addition
29	Reservoirs, tanks, vats and similar containers for any material (other than compressed or liquefied gas), of iron or steel, of a capacity exceeding 300 whether or not lined or heat insulated, but not fitted with mechanical or Thermal equipment	7309	50% Domestic Value Addition
30	Tanks, casks, drums, cans, boxes and similar containers, for any material(other than compressed or liquefied gas), of iron or steel, of a capacity not exceeding 300L,whether or not lined or heat-insulated, but not fitted with mechanical or thermal equipment	7310	50% Domestic Value Addition
31	Containers for compressed or liquefied gas, of iron or steel	7311	50% Domestic Value Addition
32	Stranded wire, ropes, cables, plaited bands, slings and the like, of iron or steel, not electrically insulated	7312	50% Domestic Value Addition
33	Barbed wire of iron or steel; twisted hoop or single flat wire, barbed or not, and loosely twisted double wire, of a kind used for fencing, of iron or steel	7313	50% Domestic Value Addition
34	Grill, netting and fencing, of iron or steel wire; expanded metal of iron or steel	7314	50% Domestic Value Addition
35	Chain and parts thereof, of iron or steel	7315	50% Domestic Value Addition

36	Anchors, grapnels and parts thereof, of iron or steel	7316	50% Domestic Value Addition
37	Articles of iron and steel	7317	50% Domestic Value Addition
38	Articles of iron and steel	7318	50% Domestic Value Addition
39	Articles of iron and steel	7319	50% Domestic Value Addition
40	Springs and leaves for springs, of iron or steel	7320	50% Domestic Value Addition
41	Stoves,ranges,grates,cookers(including those with subsidiary boilers for central heating), barbecues, braziers, gas-rings, plate warmers and similar non-electric domestic appliances, and parts thereof, of iron or steel	7321	50% Domestic Value Addition
42	Radiators for central heating, not electrically heated, and parts thereof, of iron or steel; air heaters and hot air distributors, not electrically heated, incorporating a motor-driven fan or blower, and parts thereof, of iron or steel	7322	50% Domestic Value Addition
43	Tables and similar house hold articles and parts thereof, of iron or steel	7323	50% Domestic Value Addition
44	Sanitary ware and parts thereof, of iron or steel	7324	50% Domestic Value Addition
45	Other cast articles of iron or steel	7325	50% Domestic Value Addition
46	Electrical steel and other articles of iron or steel	7326	50% Domestic Value Addition
47	Railway or tramway passenger coaches, not self-propelled	8605	50% Domestic Value Addition
48	Railway or tramway goods vans and wagons, not self-propelled	8606	50% Domestic Value Addition
49	Parts of railway or tramway locomotives or rolling-stock; such as bogies, bissel-bogies, axles and forged wheels, and parts thereof	8607	50% Domestic Value Addition

Appendix- B

List of Capital Goods (non-exhaustive) which can be imported for Manufacturing Iron & Steel products, and minimum domestic content applicable for the package

S. No.	Plant /Unit package	Minimum domestic content of Capital Goods (%)	Importable Items
	Mining		
1	**Equipment for Mining development** • Crushing & Screening Plant • Mineral beneficiation (iron ore and coal) plant; (Boundary Limit: from Receiving of ROM at the crusher hopper, comminution, segregation, ore/coal processing up to final product preparation) • Slime Beneficiation • Automatic Loading facilities • Conveyer system	75%	• Wet High Intensity Magnetic Separator / High Gradient Magnetic Separator • Heavy Media Cyclone • Gyratory Crusher • Spiral Concentrator • Online Ash Analyzer • Ball/Rod/AG Mill (Greater than 3.5 m dia)
2	**Mining transportation** • Slurry Pipelines • Long distance conveying system	30%	• PD Pump • Valves • Specialized/rope/pipe conveyor
3	**Other Mining Machinery & Heavy Earth Moving equipment for mines** (Boundary Limit: Equipment for drilling, raising, lading, haulage, and mine preparation)	Not Applicable	• Dumper (above 220 tons pay load capacity), Hydraulic Excavators (above 9 Cubic meter bucket capacity) • Blast Hole Drills 10"(Electric/Diesel) • Diesel driven Track Dozer >850 HP Capacity • Diesel Driven Wheel Dozer >500 HP capacity • Diesel driven Front End Wheel Loader >8 Cubic Meter bucket Capacity
4	**Pellet Plant Equipment** (Boundary Limit – Receiving Ground Hopper for flux & Binder, Belt Conveyor feeding IOF to product pellet belt conveyor)	85%	• Pellet car, High Intensive Mixer, Balling Discs, Vertical roller mill, Drive/discharge end Sprocket assembly, curved rail, Slide rails, Single deck roller screen and Double deck roller screen, Induration Machine Drive assembly, Level-2 automation
	Iron/steel making		
5	**Raw Material Handling System** (Boundary Limit – from Wagon Tippler to respective user units)	95%	• Barrel Couplings, Heavy Duty Bearings, Crane Rail Lubrication System, Slew Ring Bearings, Tongs (Special), Vibration Isolation System (Spring Damper), Hydraulic motor & hydraulic pump (installed in wagon tippler, side arm charger, stacker cum reclaimer, slew stacker), electronic cards, unbalanced motor, cam limit switch of wagon tippler.
6	**Coke Oven Battery** (Both top charged & stamp charged) (From Coal bunker to coke discharge bucket)	90%	• Springs of the anchorage systems, COG booster, stamping train, bonding press

S. No.	Plant /Unit package	Minimum domestic content of Capital Goods (%)	Importable Items
7	**Coke Dry Quenching Plant** (From Hot coke receiving bucket to discharge chute of cooling chamber)	90%	• Mill fan & Motor, Special Refractory for Twin Flue of Cooling Chamber.
8	**By-Product Plant** (From Primary Gas cooler to clean coke oven gas up to the network)	90%	• Exhauster & Motor, burner of the clause kiln, Catalyst, Tail gas analyzer, Palletization unit.
9	**Sinter Plant Equipment** (Boundary Limit – Receiving Bin for Raw Material to Vibro-Feeder below Product Sinter Bin)	75%	• Highly Intensive Mixer & Granulator Unit, Pallet cars, Drive Sprocket, Main Drive with Gear Box of sinter machine, slide rail & curved rail, Hot Sinter breaker and Grizzly, Annular Dip Rail Cooler, LCI Drive system for Sinter Plant Exhauster application. • Ignition Furnace Spare parts (Refractory/Control System/Burner Assembly) • Exhauster (Waste Gas Fan) and System Spare Parts
10	**Blast Furnace Equipment** Boundary Limit: **Input** • **Raw material-** Top of bunkers of respective material • **Cold Blast**- Inlet of the snort valve • **Industrial water**- BF pump house **Output** • **Hot Metal**- Filled in the torpedo ladle • **Granulated Slag** - to the granulated slag yard	70%	• Bell less top gear box, upper seal device covering upper material gate and upper seal valve, lower seal device covering lower material gate and lower seal valve, Bleeder valve, Tilting Rocker, Wear liners, Goggle Valve, Equalizing & Relief Valve, Chute Rotation Motors, Distribution chute, Feeder spout, Chutes & Funnels etc. • Hearth Refractory (carbon blocks) • Top Recovery Turbine system (TRT) • Cu-staves • SGI Staves • Cast house equipment (Mud gun, Drilling machine and main trough Manipulator) • Probes, Profilometer & Stock level indicator (radar type) • Gas cleaning plant (AGS system) • Stove system – ceramic burner & technological valve • Waste Heat Recovery system • Turbo blowers • Ball Mill • PCI Injection System • Level-II automation • Copper plate coolers • Tuyere cooler • Stove technological valves • Dewatering Wheel of SGP • Torpedo Ladle Car chain assembly • Dome filled dump Valves • Tuyere stock assembly
11	**Gas based Direct Reduction Plant Equipment** (Boundary Limit: Receipt of raw	50%	• Reactor charging system • Reactor • Reactor discharging system

S. No.	Plant /Unit package	Minimum domestic content of Capital Goods (%)	Importable Items
	material at the top of the DRI reactor & discharge of hot DRI to EAF)		• Pneumatic transfer to EAF • Discharge route to briquetting system • Briquetting feeding system • Briquetting system • Reduction gas circuit • CO2 removal unit • Process gas heater • Reformer system • Heat Recovery System • Process Gas Compressors • Blowers • Seal Gas System • Flue Gas Fan/ Hot Fan • Process valves • Critical bellows • Critical refractories • Natural Gas pre-treatment system • Level-II automation
12	**Oxygen Plant 700 tpd & Above** (Boundary limit: Water, Power at oxygen plant boundary)	30%	• Main Air Compressor • Booster Air Compressor • Expansion Turbine • Reboiler • Cryogenic Pumps • Heat exchange elements of • ASU • Pressure Column • Main Condenser, Low Pressure Column • Crude Argon Column, Pure Argon Column and Condenser with Condenser Block • Main Heat Exchangers, Pure Argon Evaporator Sub-cooler • LOX-IC-Process Pump • LIN-IC-Process Pumps • LAR-Transfer -Process Pumps • Dense Fluid Expander • Booster Heat Exchangers • Molecular Sieves Switching Valves for PPU • Critical Safety valves • Specialized valves • Control Valves • Cold box • Control Valves GOX-Product • Flow Measuring devices of Cold box • Expander - Brake Generator, Frequency Converters
13	**Steel Processing**		
13.1	**Hot Metal De- De-Sulphurization Station (HMDS) Unit with Co-Injection Process** (Hot metal from the blast furnace (BF) is	75%	• Injection Lance and automatic sampling Unit with auxiliaries • De-slagging Machines (slag raking machine) with auxiliaries

S. No.	Plant /Unit package	Minimum domestic content of Capital Goods (%)	Importable Items
	received in a torpedo ladle or open-top ladle, undergoes desulfurization treatment to reduce "Sulphur (S)" content, and is then transferred to the BOF converter)		• Temp. measuring and sampling device with auxiliaries
13.2	**Hot Metal De- De-Sulphurization Station (HMDS) Unit with Mechanical Stirrer (KR) Process** (Hot metal from the blast furnace (BF) is received in a torpedo ladle or open-top ladle, undergoes desulfurization treatment to reduce "Sulphur (S)" content, and is then transferred to the BOF converter)	70%	• Impeller, Impeller lifting & stirring equipment, Guide Frame with auxiliaries • De-slagging Machines (slag raking machine) with auxiliary facilities • Temp. measuring and sampling device with auxiliaries
13.3	**Basic Oxygen Furnace / LD Unit** [Treated hot metal is poured into the BOF converter, where it undergoes processing to convert it into steel, which is then supplied to the ladle furnace (LF)]	65%	• Lance body with clamping, Lance carriage, Lance guide, Lance hoist & trolley, Lance copper tips with auxiliaries. • Pneumatic motors for emergency tilting drive. • Bottom stirring system, valve station & rotary joint along with auxiliaries • Valve stations for oxygen/ argon/ nitrogen with auxiliaries • Sub-lance system with auxiliaries • Container lab with all auxiliaries. • Automatic gas coupling (auto coupler) with auxiliaries. • Converter wrecking machine. • Converter tap hole changing machine • Refractory monitoring (laser) machine. • Converter Shell parts, Suspension System, Rotary joint, Slag Stopper & its control valves • Converter Tilting Drive system & Suspension system, gearboxes & Motors, Pneumatic Motors & control valves, Position Encoders, Clutch system, Lubrication system components. • Ladle Transfer Car Rail Track System (A series type) & gearboxes, stirring couplings. • LOMAS Gas Analyzer, Multi-lab temperature & sample system. • Stirring couplings for ladle transfer Cars. • PLCs and RIOs. • Automation system and software. • Hot Zone Hydraulic Pumps and Valves. • Hot Zone Geared Motors with wheel block. • Converter Bearings. • Air & Electric operated Slurry Compaction Pump. • Primary ID fan, bearings, motors, drives & Lubrication system.

S. No.	Plant /Unit package	Minimum domestic content of Capital Goods (%)	Importable Items
			• WDS-Cone
13.4	**Electric Arc Furnace Unit** (Primary materials such as scrap, DRI, pig iron, and hot metal in combination is converted into liquid steel using electrical energy to melt and refine the raw materials)	70%	• Electrode regulation system with auxiliaries • High current system including furnace transformer • Oxygen & Carbon Injection System with auxiliaries • Manual Temp Measuring & sampling Lance with auxiliaries
13.5	**Ladle Furnace Unit** [Liquid steel is processed/ treated to achieve the desired grade and held as buffer stock before being supplied to the continuous casting machine (CCM)]	70%	• Electrode regulation system with auxiliaries • Manual Temp Measuring & sampling Lance with auxiliaries.
13.6	**RH/ RH-OB Unit** [The liquid steel is degassed to achieve the required dissolved gas levels and then supplied to the continuous casting machine (CCM)]	65%	• Gas Stirring System/ Lift Gas Stirring System Valve Stand with auxiliaries • Oxygen Lance System with auxiliaries • Hydris Measurement System with auxiliaries
13.7	**Argon-Oxygen Decarburization (AOD) Unit**	70%	• Drive Unit for tilting of AOD converter, Air Motor, Brakes etc. • Lance copper tips • Hoses for water and oxygen • Pneumatic motors for emergency tilting drive. • Bearing for AOD Converter, Emergency Gears for air motor • Valve stations for oxygen/ argon/nitrogen with auxiliaries. • Refractory monitoring (laser) machine • Automation system.
13.8	**VD/VOD**	70%	• Gas analysis (Off-Gas Mass Spectrometers) only sensor. Holder is make in India • Automation and Process control software platform • Vacuum Pump System with Auxiliary • Oxygen tips • Valve stations for oxygen/ argon/nitrogen with auxiliaries.
13.9	**Submerged Arc Furnace (SAF) Unit**	65%	• Clay gun and drill M/c • Electrode equipment • Slipping device assembly • Electrode guiding assembly • Upper & Lower mantle assembly • Pressure ring assembly • Contact shoe assembly • Heat shield assembly • Electrode seal assembly • Pressure ring bellows • Seal refractory • Furnace automation and Controller Software

S. No.	Plant /Unit package	Minimum domestic content of Capital Goods (%)	Importable Items
13.10	**Continuous Casting Unit** (Slab Caster/ Billet/ Bloom Round/ Combi/ Beam Blank) [The liquid steel is cast into slabs, billets, or blooms in the continuous casting machine (CCM)]	65%	• Ladle slag detection system completes with auxiliaries • Copper tube and Plate, Mould oscillation Cylinder. • Rotary Union. • Continuous temperature measuring system with auxiliaries. • Torch cutting machine/ Emergency torch cutter along with auxiliaries • De-burring machine along with electrical drive system with auxiliaries • Marking machine. • Roll gap checker completes with auxiliaries • Electromagnetic Stirrer (EMS)/ Electromagnetic Braking (EMBr) system along with auxiliaries
14	**Flat Product Mills**		
14.1	**Hot Strip Mills/ Plate Mill** (Boundary Limit: Slab yard to Dispatch Bay, including auxiliaries)	50%	• De-scalars, mill stand, bed plates, backup rolls, Work Rolls, mill spindles, chocks, AGC cylinders, bending blocks & cylinders, shears, down coilers, anti-friction roll neck bearings, oil film bearings, mill reducers, load cells, thickness gauge, profile gauge, width gauge, levelers, roll grinding machines, Coil Marking Machine, Plate Marking Machine, mill stand motors & mill stand MV drive system, automation system, etc.
14.2	**CRM (PLTCM)** (Boundary Limit: Pickling line entry to mill exit)	50%	• Welding machine, tension leveler, mill stands, backup rolls, antifriction bearings, oil film bearings, roll chocks, roll force cylinders, roll bending and roll shifting cylinders, mill spindles, load cells, position transducers, Electrostatic Oiler, Side Trimmer, Steering System, Surface Inspection System, thickness gauges, laser speed gauge, tensiometer, Flatness Gauge, tension reel, mill reducers, mill stand motors & mill stand MV drive system, automation system etc.
14.3	**CRM (HDGL)** (Boundary Limit: entry to exit of HDGL including temper mill & tension leveler)	60%	• Welding machine, radiant tube furnaces, jet cooling system, coating pot with induction heating, pot rolls, air knife wiping system, tension leveler, width gauge, thickness gauge, coating thickness gauge, load cells, roll force cylinders, mill stand motors & mill stand drive system, automation system, etc.
14.4	**CRM (SPM)** (Boundary Limit: entry to exit of SPM)	50%	• Mill stands, backup rolls, antifriction bearings, oil film bearings, roll chocks, roll force cylinders, mill spindles, Electrostatic Oiler, Coil Marking System, load cells, thickness gauge, mill stand motors & mill

S. No.	Plant /Unit package	Minimum domestic content of Capital Goods (%)	Importable Items
			stand MV drive system, automation system, etc.
14.5	**CRM (Bell Annealing Furnace)** (Boundary Limit: From furnace bases to post cooling equipment)	55%	• Furnace, automation system, etc.
14.6	**CRM (Color Coating Line)** (Boundary Limit: Entry to exit of CCL)	80%	• Coater, Coating thickness gauge, digital printer, tension leveler, automation, etc.
14.7	**TSCDR (Thin Slab casting Direct Rolling)** (Boundary Limit: From turret to coil finishing & packaging area)	50%	• Ladle slag detection system complete with auxiliaries • Copper tube and Plate, Mould oscillation Cylinder. • Rotary Union. • Continuous temperature measuring system with auxiliaries. • Pendulum shear cutting machine. • Segments assembly • Roll gap checker complete with auxiliaries • Electromagnetic Stirrer (EMS)/Electromagnetic Braking (EMBr) system along with auxiliaries, • Tunnel furnace burners • Roughing & Finishing Mill stands, work roll & backup rolls, antifriction bearings, oil film bearings, roll chocks, roll force cylinders, mill spindles, mill stand MV drive and motors, automation system, laminar/power cooling components, hydraulic coilers. Profile gauge, thickness gauge, width gauge. • Nozzles • Grease system and auxiliaries • Hydraulic system and auxiliaries • Gearbox • ROT roll assembly • Roll assembly (Sleeve, Shaft, Roll) • Ladle turret and auxiliaries (Slew bearing, Disc coupling, Gearbox, Hydraulic clutch and Hydraulic Cylinder) • Mould breakout prediction system • Auto mould level control nucleonic gauge • Mould powder feeding system • CNC mould machining system with auxiliaries • Tundish and Turret weighing system • Tunnel furnace refractory rolls. • Tunnel furnace shuttle drive system and gas conveying system. • Backup roll hydrostatic lubrication system • Roll bite lubrication system • In-furnace camera with auxiliaries • Crop shear • Descaler system and component. • Coil marking machine

S. No.	Plant /Unit package	Minimum domestic content of Capital Goods (%)	Importable Items
			• Online Coil weighing system • Cut to Length Stacker System • Roll Shop (CNC Combi grinders, CNC Roll Grinders, CNC Knife Grinders, CNC Turing Machine, Lathe Machines) • Coil Strapping machines • Down coiler system • Mill Measuring system and Sensors (Automatic gauge control (AGC) sensors (roll force, gap, pressure) • Looper Control System along its sensors • Condition based monitoring System and its sensors • Coil shuttle car and pallet conveying system. • Crane coil tong. • RO and UF membranes • Self-cleaning filters
14.8	**Normalizing Facilities for Plate Mill** (Boundary Limit: entry to Normalizing furnace to dispatch of finished plates)	50%	• Furnace burners, Furnace hearth rollers, leveler, load cell, automation
14.9	**SSM (Silicon Steel Mill)** (Boundary Limit: Pickling line entry to dispatch of SSM)	50%	• Mill stand, work roll & backup roll, antifriction bearings, oil film bearings, roll chocks, roll force cylinders, mill spindles, mill stand MV drive system & motors, automation system, annealing furnace, decarburizing line, electrical steel testing facilities (e.g. Fischer scope thickness measuring device, Frankline Insulation Resistivity Tester, Magnetic Console, Stacking Factor tester).
14.10	**CRM (Cluster Mill stand)** Sendzimir Mill (Boundary Limit: entry to exit of Sendzimir Mill)	50%	• Sendzimir Mill stand, work roll & backup rolls, antifriction bearings, oil film bearings, roll chocks, roll force cylinders, mill spindles, mill stand MV drive system & motors, automation system
14.11	**HRM (Steckel Mill)** (Boundary Limit: From coiler furnace entry to Steckel Mill and exit to coiler furnace)	40%	• Steckel Mill stand, heated coilers, work roll & backup rolls, antifriction bearings, oil film bearings, roll chocks, roll force cylinders, mill spindles, mill stand MV drive system & motors, automation system
15	**Long Product Mills**		
15.1	**Bar Mill/ WRM/MM/ LSM** (Boundary Limit: From furnace entry to dispatch)	75%	• Fast finishing blocks, Roll turning lathes, Profile Gauge, automation systems, etc.
15.2	**Rail Mill/ Heavy Structural Mill** (Boundary Limit: From furnace entry to exit of the rail welding plant excluding material handling)	45%	• Mill stands, mill motor & drive system, heat treatment facility, straightening machine, NDT facilities, welding machine, Profile Gauge, Hot Saw, Cold Saw, Hot Marking Machine, Roll Turning Lathe, Saw Grinding Machine, automation system, etc.
15.3	**ERWPP (Electrical Resistance Welded Pipe Plant)**	50%	• Pre-forming Unit, Break-Down Stand, Edge Bender, Universal Cage, Finishing Pass

S. No.	Plant /Unit package	Minimum domestic content of Capital Goods (%)	Importable Items
	(Boundary Limit: From strip feeding to finishing facilities and dispatch of ERWPP)		(multiple stands), Pipe Guide, high frequency welding machine, high power electric inductors, hydro testing, ultrasonic machine
15.4	**SWPP (Spiral Welded Pipe Plant)** (Boundary Limit: From pipe forming to finishing facilities and dispatch of SWPP)	50%	• Submerged arc welding, outside welding (skelp joint), X-ray station, hydro testing, beveling machine, ultrasonic machine, end radiograph station
16	**Wheel Plant**		
16.1	**Wheel Plant** (receipt of round/ingot to finished wheel)	30%	• Circular saw, forging press, wheel rolling mill, wheel dishing press, wheel stamping machine, rim spaying machine, mobile chargers, (Handling Robots), machining facilities, testing facilities, automation system etc.
16.2	**Heat Treatment Facilities for Railway Wheels** (Boundary Limit: exit of Hot Dimension Measurement to Black Wheel Storage)	40%	• Furnace burners, hearth rollers, automatic wheel handling and quenching machine
16.3	**Non-Destructive Testing (NDT) Facilities for Wheels and Rails** (Boundary Limit: entry & exit of NDT facilities)	30%	• Hardness testing machine, Ultrasonic testing machine, Magnetic particle inspection machine, Eddy current testing machine
16.4	**Facilities for Manufacturing of Forged Rolls for Rolling Mill Stands** (Boundary Limit: entry of forged blank roll to dispatch of finished rolls)	30%	• Forging Press, Manipulators, roll hardening machine, Cryogenic treatment facilities, tempering furnaces, roll grinders, roll turning lathes, hardness testing machine, ultrasonic testing machine
16.5	**RGBS/ Roll Shop**	50%	• CNC work roll grinder/CNC combi grinder, CNC Roll turning lathe, • Facilities for Electric Discharge Texturing (EDT) and Electro Discharge Machining (EDM) for rolls
17	**Refractory Brick** (Receipt of raw material to finished brick)	50%	• Hydraulic Press
18	**Electrical** (Power Quality System)	30%	• MVSTATCOM • (Static Synchronous Compensator) System
	Other auxiliary and utility equipment		
19	**Calcination Plant** (Calcined Lime & Dolo)		• Firing system, Shaft level indicator, Automation system • VFD & Soft Starter Cards. Driving Air Blower, Dedusting Draft Fans, Cooling Air Fans, Lime Cooling Fan, Waste Gas Fans, Gas Booster Fan assembly • Hyd. Cylinders, Hyd. Motors, Hyd. Station.
20	**Electric Motor Driven Cold Blast Blower** (Axial/Axial with last stage radial)		• Axial/ Axial with last stage radial Blower • Motor with Drive System • Blow-off Valve • Blower non-return valve • Control & Instrumentation items

S. No.	Plant /Unit package	Minimum domestic content of Capital Goods (%)	Importable Items
21	**Steam Turbine Driven Cold Blast Blower** (Axial/Axial with last stage radial)		• Axial/ Axial with last stage radial Blower • Blow-off Valve • Blower non-return valve • Control & Instrumentation items
22	**Diesel Engine Driven Cold Blast Blower** (Axial/Axial with last stage radial/radial)		• Axial/ Axial with last stage radial Blower/radial Blower and Systems • Diesel Engines • Blow-off Valves • Blower non-return valves • Control & Instrumentation items
23	**Gas Fired/ Heat Recovery Boilers**		• Special Grade Plates & Tubes • Flame Scanner • Instrumentation & controls
24	**Steam Turbine** (Extraction/ BPTG)		• Special Grade Blade Material • Governing System • Turbo Supervisory system • Instrumentation & controls
25	**Gas Holder**		• Gasholder seal, sealant. • Level weight ropes with fittings. • V. R. Valve gaskets • Specialized membranes for double/triple membrane system. • Hydraulics
26	**High pressure gas boosters** (Outlet pressure > 2000 mm WC)		• Gas booster proper including control and bypass valves • Piston Rings • Concentric Ring Type Valves (SS)
27	**Pollution Control Systems**		• TR sets • Controllers • Insulators • ESP electrical components • Control & Instrumentation items
28	**Water & Effluent Treatment System**		• Membranes • Evaporators (Compressor & Titanium Sheet) • HP Pumps • Control & Instrumentation items
29	**Compressed Air Station**		• Centrifugal Compressor core assembly including Impellors, Bull Gear, Pinion Shafts, Bearings, Vibration Probes and Local Control Panel.
30	**Hydrogen Plant**		• Electrolyser unit • HP Compressors • Control & Instrumentation items
31	**Packaged Chillers**		• Compressors • Control & Instrumentation items
32	**Other Utility areas like**– Air conditioning & ventilation system, VAM based chiller system, firefighting system, gas boosters (DP less than 2000 mm WC), cooling water system (pumping station, filters, cooling		• Items / Equipment have sub-components / parts which are imported • Compressors, Chillers, Crane AC units, Expansion Valve, Instruments, High Temperature Application AC.

S. No.	Plant /Unit package	Minimum domestic content of Capital Goods (%)	Importable Items
	towers, heat exchangers, etc.), gas mixing stations, pollution control systems, inter plant piping system		
33	**Electric overhead travelling crane and gantry crane, electric hoist**		• Barrel coupling, heavy duty bearing, crane rail lubrication, slew ring bearings, tongs
34	**Engineering shop**		• CNC lathe, CNC milling machine
35	Power Generation, transmission & Distribution system; Shop Electrics including Power & control system and associated electrical works	As per Minimum local content (MLC) % guideline of Ministry of Power	
Note: All equipment shall be procured/ complied as per the Class-I category of the Ministry of Power guidelines. In case(s) where the equipment is not mentioned in Class-I category, or where classification/specification of the equipment is not explicitly or clearly defined under the Ministry of Power guidelines, the provisions issued by DPIIT for Class-I and Class-II categories shall accordingly be followed.			
36	**Instrumentation items/ equipment ****	As per DPIIT guideline *	• Above / under burden probe system • Profilometer • Burden camera • Tuyere phenomena detection system (TPDS) • Top gas analyzers (CO, CO_2, H_2, O_2, pollutants) • Flow jam switch • Elemental analyzers • Moisture analyzer (Nucleonic) • CV analyzer • Thickness gauge • Hot metal detector • Width gauge • Furnace camera • Multifunction profile gauge • Flatness/shape gauge • Surface inspection system • Laser doppler velocity meter • Optical barrier • Thermal imaging systems for hot rolling • Automatic gauge control (AGC) sensors (roll force, gap, pressure) • Online mechanical property prediction systems (AI + sensors) • Oil film thickness monitoring systems (cold rolling) • X-Ray or Nucleonic Based Coating Thickness Gauges • Mass flow meter • Hydris (hydrogen detection in molten steel) • Mold level measurement • Break-Out Prediction System (BOPS) • Electromagnetic Brake (EMBr) Control & Sensors • Ladle tracking and management system • Slag Detection System (SDS)/ Slag Monitoring Systems

S. No.	Plant /Unit package	Minimum domestic content of Capital Goods (%)	Importable Items
			• BOF Endpoint Detection (Laser-Induced Breakdown Spectroscopy – LIBS) • Sub-Lance Systems (Temp + O_2 + Carbon + Sampling) • Ladle Refractory Wear Monitoring (Laser/Ultrasonic/Infrared) • Continuous Emissions Monitoring Systems (CEMS – imported analyzers for SOx, NOx, PM, CO, CO_2, O_2, H2) • Off-gas analyzer for BOF/ EAF (CO, CO_2, H_2, dust) • Water quality analyzers (pH, Conductivity, Oil-in-water, TOC, Silica, BOD, COD, TSS, TDS, Phenol, Cyanide) • Laser-based gas leak detectors (CH_4, CO, H_2, H2S) • Acoustic / ultrasonic leak detection • Vibration / condition monitoring sensors / Axial shift / Differential expansion monitoring systems • Anti-collision system (Radar/ Laser/ Lidar) • Oven Identification System (OIS) • Pyrometers • LOMAS Analyzers • Master calibrators for pressure, temperature and electrotechnical parameters • Instruments installed in Eirich Mixers in Sinter plant, and Hanzel make lubrication systems. • Governor systems for Turbines and Turbo-blowers • Tail gas analyzers for By-product plant • Force sensors used in Coke bucket Lifter & reversing winch • Encoders, • Hydraulic valve controllers • Instruments installed in BLTs (Tilt switch, sonic sensor, encoders, etc.) • Flame sensors/scanners
37	**Automation items/ equipment ****	As per DPIIT guideline *	
38	**Voice Communication system ****	As per DPIIT guideline *	
39	**Fire Detection and Alarm (FDA) system ****	As per DPIIT guideline *	
40	**CCTV system ****	As per DPIIT guideline *	

S. No.	Plant /Unit package	Minimum domestic content of Capital Goods (%)	Importable Items

Note:

* Instrumentation, automation, communication equipment, Fire Detection & Alarm (FDA) system, and CCTV system shall comply with the domestic content requirements for capital goods in line with Class-I and Class-II supplier norms as per DPIIT as well as MEITY guidelines.

** Highly specialized equipment, components, and critical parts such as semiconductor chips for instrumentation, automation, communication systems, fire detection & alarm (FDA) systems, and CCTV systems are currently being sourced from global technology leaders. However, the overall system assembly, integration, and manufacturing activities are being carried out in India, with the remaining components procured through domestic sources.

Appendix-C

Promotion of Indigenous Technologies in Iron & Steel Sector

1) **Objective:**
To promote self-reliance in the Indian iron and steel sector by incentivizing the adoption, development, and scale-up of indigenous technologies across all stages of steel manufacturing.

2) **Scope:**
This policy applies to Central Public Sector Enterprises involved in steelmaking or putting up a steel manufacturing plant.

3) **Policy Directives:**

3.1 In cases where technology and proof for earlier engineering & supply is available but does not match the present capacity requirement, following conditions will be applicable for indigenous technology providers:

3.1.1 Production capacity reference to be 30% of the capacity of the proposed plant.

3.1.2 Availability of demonstrable tie ups with the vendors.

3.1.3 Experience of detailed engineering of projects for at least 75% of the capacity of the proposed plant.

3.2 In cases where technology is available but no reference for earlier supply is available, following conditions will be applicable for indigenous technology providers:

3.2.1 The indigenous technology supplier has done detailed engineering of projects matching at least 75% of the features of the proposed project.

3.2.2 The indigenous technology supplier has done detailed engineering matching 100% of the critical features of the proposed project.

3.2.3 Availability of demonstrable tie ups with the vendors.

3.2.4 Demonstrable evidence of technology availability (IPR or other sufficient evidence).

3.3 In cases where no Indian technology is available, a foreign technology supplier committing to transfer technology, including training and handholding to an Indian CPSE (including the procuring entity), within three years, shall be considered as deemed Class-I supplier irrespective of percentage of Domestic Value Addition. In this case, purchase preference shall be given to the foreign technology supplier as defined in DPIIT's Public Procurement (Preference to Make in India) Order amended from time to time.

4) **Implementation Oversight:**
The Standing Committee constituted by Ministry of Steel shall monitor implementation, resolve disputes, and update the eligibility and incentive criteria periodically.

Form-1

Affidavit of Self-Certification for Compliance with Melt & Pour Requirements (Appendix-A) and/or Domestic Value Addition Requirements (Appendix-A & Appendix-B*)

*For Appendix-B capital goods, this affidavit must accompany the statutory auditor's / cost auditor's / CA certificate, as mandated under the policy.

I, _____, Resident of _____, being the authorised signatory of M/s _____,

do hereby solemnly affirm and declare as under:

1. I have read and understood the Domestically Manufactured Iron & Steel Products (DMI&SP) Policy, 2025, issued vide Notification No. _____ dated _____. I agree to abide by all terms and conditions of the said policy and the tender in which this affidavit is submitted.

2. This affidavit pertains to the following iron & steel product(s)/capital good(s):

Name of product(s): _____

HS Code(s): _____

Appendix classification: Appendix-A / Appendix-B (select as applicable)

Procuring agency: _____

3. Melt & Pour - Applicable only for Appendix-A items with Melt & Pour condition

I hereby declare that the above product(s) satisfy the Melt & Pour in India requirement as notified in Appendix-A. Specifically:

The steel was melted and poured in India.

The first solid shape (slab/billet/ingot/other) was produced at the following location(s):

Steelmaking facility: _____Location: _____ Heat numbers; Batch details: _____

I undertake to produce mill test certificates, heat records, and any other documentary proof to substantiate this declaration whenever required by the procuring agency.

(If not applicable, write "Not Applicable".)

4. Domestic Value Addition - Applicable for Appendix-A DVA items and Appendix-B capital goods:

I hereby declare that the Domestic Value Addition (DVA) for the product(s) is: _____ %. The DVA has been computed as per DPIIT guidelines and the formula specified in the DMI&SP Policy, 2025.

4A. For Appendix-B Capital Goods (Mandatory): A certificate issued by the statutory auditor / cost auditor / chartered accountant is enclosed herewith, confirming the DVA of the capital good package in accordance with the policy.

(If Appendix-A item only, strike this clause out.)

5. I confirm that: All information furnished is true and correct. All input steel costs, imported content, and domestic content calculations have been verified. All manufacturing, purchase, and pricing records are available for examination.

If any information is found incorrect or misleading: The procuring agency may disqualify me / my firm from Government tenders as per the procuring agency norms. I agree to pay all assessment costs and penalties, including forfeiture of EMD, as per policy and tender conditions.

6. I undertake to maintain the relevant records, and make them available to any statutory authority.

7. Declaration: I do hereby declare that the statements made above are true to the best of my knowledge and belief. I understand that any misrepresentation shall attract penalties under the DMI&SP Policy, applicable laws, and tender conditions.

For and on behalf of

(Place & Date)

M/s _____

(Authorised Signatory)

[F. No. 8(2)/2023-ID-I]

ABHIJIT NARENDRA, Jt. Secy.

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SARVESH KUMAR SRIVASTAVA Digitally signed by SARVESH KUMAR SRIVASTAVA Date: 2025.12.18 23:38:47 +05'30'

Appendix-V to ITB

Policy for Holiday listing of vendors in BPCL

Policy for holiday listing of vendors in BPCL

1. Introduction :

Works and procurement contracts have become a major activity for corporate in current times. In course of such contracting Oil sector PSEs deal with various "Agencies" (which shall include vendors/parties/contractors/suppliers/ consultants/Licensors/bidders). These entities are expected to adopt ethics of highest standards and a very high degree of integrity, safety and quality consciousness, commitments and sincerity towards the work undertaken and dealing with BPCL in such matters. However, in few occasions, the terms are found to be infringed and deviations from expected behavior are observed. It is not in the interest of BPCL to deal with Agencies who commit deception, fraud or other misconduct including compromising quality and safety in the tendering and execution process.

Also, while participating in the tender and performing the contract, vendors are required to meet certain basic performance criteria and adherence to the terms and conditions of the tender/contract. In case the vendor fails to meet the above parameters, it is prudent to put the vendor on holiday list for specific periods in order to deter the vendors form committing such defaults. Such decisions shall be taken based on the gravity of the default and after following a laid down process, on case to case basis.

Holiday Listing from business dealings involves civil consequences for the "Agency" concerned. Hence, the same requires adherence to the Principles of Natural Justice. Therefore, it is incumbent that adequate opportunity of hearing is provided and the explanation, if tendered, is considered before passing any order in this regard keeping in view the facts and circumstances of the case. The meaning of "Black listing", "Holiday Listing" and "Banning" is considered one and the same and shall hereafter be referred to only as "Holiday Listing" and the term Holiday Listed Companies is used accordingly in this document.

2. Scope :

2.1 The information for Bidders/Instruction to Bidders and even the General Conditions of Contract (GCC) or General Purchase Conditions (GPC) generally provide that BPCL shall have the rights to remove from list of approved suppliers / contractors or to ban business dealings if any Agency has been found to have committed misconduct or fraud or poor performance or anything unethical not expected from a reputed agency.

2.2 The procedure of Holiday Listing of Agencies from Business Dealings with BPCL has been laid down in these guidelines.

2.3 These guidelines are applicable across BPCL and shall form part of all the tenders. These guidelines shall be published as a separate document in BPCL website and the General Conditions of Contract (GCC) or General Purchase Conditions (GPC) shall have a clause expressly stating that the Guidelines and Procedures for Holiday Listing as adopted by BPCL and available separately in BPCL website shall be applicable in the context of all tenders floated and consequently all orders/ contracts / purchase orders placed by BPCL.

2.4 The Holiday Listing shall be with prospective effect, i.e. for future business dealings.

3. Definitions :

In these Guidelines, unless the context otherwise requires

(i) Agency; "Party/Contractor/Supplier/Vendor/Consultant/Bidder/Licensor" in the context of these guidelines is indicated as 'Agency' ;

"Party/Contractor/Supplier/Vendor/Consultant/bidders/Licensor" shall mean and include a public limited company or a private limited company, a joint venture. Consortium, HUF, a firm whether registered or not, an individual, co-operative society or an association or a group of persons engaged in any commerce, trade, industry etc.

(ia) Allied Agency means: All concerns which come within the sphere of effective influence of the debarred firms shall be treated as allied firms. In determining this, the following factors may be taken into consideration:

a. Whether the management is common
b. Majority interest in the management is held by the partners or directors of banned / suspended firm
c. Substantial or majority shares are owned by the banned / suspended firm and by virtue of this it has a controlling voice
d. Directly or indirectly controls, or is controlled by or is under common control with another bidder
e. All successor firms will also be considered as allied firms.

(ii) Appellate Authority: "Appellate Authority" shall mean the concerned functional Director of BPCL or any other authority nominated by the C & MD. The Appellate authority shall be higher than the "Competent Authority".

(iii) Competent Authority: "Competent Authority" shall mean the authority, who is competent to take final decision for Banning of business dealings with Agencies, in accordance with these guidelines:

The Competent Authority for a Procurement Department which is initiating the Holiday Listing process should be the Regional head (or) SBU / Entity head as the case may be relevant to the said Procurement Department, but not below the level of General Manager

(iv) Corporation: "Corporation" means Bharat Petroleum Corporation Ltd. with its Registered Office at Bharat Bhavan-I, 4&6 Currimbhoy Road, Ballard Estate, Mumbai-400001.

(v) Corrupt Practice: "Corrupt Practice" means the offering, giving, receiving or soliciting, directly or indirectly, anything of value to improperly influence the actions in selection process or in contract execution. Corrupt Practice" also includes any omission for misrepresentation that may mislead or attempt to mislead so that financial or other benefit may be obtained or an obligation avoided.

(vi) Fraudulent Practice: "Fraudulent Practice" means and include any act or omission committed by a agency or with his connivance or by his agent by misrepresenting/ submitting false documents and/ or false information or concealment of facts or to deceive in order to influence a selection process or during execution of contract/ order;

(vii) Collusive Practice : "Collusive Practice" amongst bidders (prior to or after bid submission)" means a scheme or arrangement designed to establish bid prices at artificial non-

competitive levels and to deprive the Employer of the benefits of free and open competition.

(viii) Coercive Practice: "Coercive practice" means impairing or harming or threatening to impair or harm directly or indirectly, any agency or its property to influence the improperly actions of an agency, obstruction of any investigation or auditing of a procurement process.

(ix) Officer-in-Charge: "Officer –in-Charge (OIC)" or "Engineer-in-Charge (EIC)" shall mean the person (s) designated to act for and on behalf of BPCL for the execution of the work as per requirement of the concerned department.

(x) Malpractice : Malpractice means any Corrupt Practice, Fraudulent Practice, Collusive Practice or Coercive practice as defined herein;

(xi) Mis-Conduct : "Mis-conduct" means any act or omission by the Agency, making it liable for action for Holiday Listing as per these guidelines

(xii) Nodal Department: "Nodal Department" means the Department primarily assigned with the role of overseeing the Holiday Listing Process to ensure adherence to guidelines, maintaining, updating and publishing the list of Agencies with whom BPCL has decided to ban business dealings and shall be the Corporate Finance Department.

(xiii) Vendor De-listment Committee: "Vendor De-listment Committee" relevant to the procurement department which initiates the holiday listing process would the same as the vendor enlistment Committee as per DR&A of the concerned SBU/Entity.

4. Holiday Listing:

4.1 Reasons for Holiday Listing : An Agency may be placed in Holiday List for any one or more of the following circumstances:

4.1.1. If the Agency , in the context of its dealings with the Corporation:

a. has indulged in malpractices ;
b. has submitted fake, false or forged documents / certificates
c. Has substituted materials in lieu of materials supplied by BPCL or has not returned or has unauthorized disposed off materials / documents / drawings / tools or plants or equipments supplied by BPCL.
d. Has deliberately violated and circumvented the provisions of labor laws/ regulations / rules, safety norms, environmental norms or other statutory requirements.
e. has deliberately indulged in construction and erection of defective works or supply of defective materials
f. Has not cleared previous dues to BPCL if applicable.
g. Has committed breach of contract or has abandoned the contract.
h. Poor performance of the Agency in one or several contracts;
i. Has not honored the fax of award / letter of award / Contract / Purchase order after the same is issued by BPCL.
j. Withdraws/ revises the bid upwards after becoming the L1 bidder.
k. Has parted with, leaked or provided confidential / proprietary information of BPCL to any third party without the prior consent of BPCL.

4.1.2.The following additional grounds can also be reasons for Holiday listing of an agency:

a. If a communication is received from the Administrative Ministry of the Corporation (i.e. MOP&NG) to ban Agency from dealing with the Corporation ;

b. If the Agency Is or has become bankrupt , OR is being dissolved OR has resolved to be wound up OR if proceedings for winding up or dissolution has been instituted against the Agency;

c. Any other ground, including transgression of Integrity Pact, which, in the opinion of the Corporation, makes it undesirable to deal with the Agency; In the case of transgression of Integrity Pact, the same should be substantiated by the verdict of the Independent External Monitor.

4.2 Procedure :

4.2.1. Proceedings for Holiday Listing shall be initiated against an Agency when a prima facie case for Holiday Listing comes up, under any of the above mentioned circumstances; before taking a decision, a fair opportunity of hearing the party should be given by means of a Show Cause notice. The show cause notice should indicate clearly and precisely the charges/misconduct which should be based on facts as can be proved as distinct from mere allegations. Statement containing the imputation of misconduct or misbehavior may be appended to the show-cause notice and the "Agency" should be asked to submit within 15 days a written statement in its defense. A proforma of Show Cause notice is attached at Annexure-I. ;

4.2.2. The proceedings shall start with a proposal for initiating action against the Agency, to be raised by the Procurement Department which, in the first instance, is to be cleared by the relevant Vendor De-listment Committee.

4.2.3. The proposal shall state a brief background of the case, the action proposed and all supporting documents, including a note from the Engineer / Officer – In –Charge or the designated incharge or the department responsible for execution of a work, in the case the proposal is related to the performance of a contract. A draft show cause notice is also to be attached to the proposal.

4.2.4. On preliminary examination of the proposal with attached documents, if the vendor delistment committee is of the opinion that action is to be initiated against the Agency, the committee will approve the proposal along with the proposed Show Cause Notice.

4.2.5. Thereupon the Show Cause Notice, as approved, will be issued by the concerned Procurement Department. Before issuing the Show Cause Notice, concerned procurement department should give intimation to the Nodal Department regarding the proposed action against the Agency, along with a copy of the Show Cause notice for record. The Nodal Department, shall in turn publish this information in BPCL website for information and reference of all procuring departments across the corporation

4.2.6. On receipt of the explanation from the Agency, the procurement Department will put up the proposal for holiday listing, to the competent authority, through the vendor de-listment committee & the Nodal Department; This proposal would consist of a background of the case, copy of initiation proposal approved by vendor de-listment committee, copy of the Show Cause Notice issued and Agency's reply received and the procurement departments' comments on the same. The period for which holiday listing is recommended should also be clearly mentioned in the proposal. All relevant supporting documents should also be attached; In case no explanation is received from the Agency within the stipulated time, the case shall be preceded with ex-parte.

4.2.7. The proposal along with the reply from the Agency would be examined by the Vendor de-listment Committee; thereafter, with the recommendation from the vendor de-listment Committee, the proposal would be put up through the Nodal Department to the Competent Authority for final decision on banning or otherwise.

4.2.8. The competent authority, after examining all the materials on record, including the explanation from the Agency, will give their decision on the proposal. Competent Authority in its decision may :

- Approve the proposal for Holiday Listing as such, OR
- Approval the proposal for holiday listing for a period higher than that was recommended, in case the competent authority is of the opinion that banning for a longer period is required in view of the gravity of the case, OR
- Approve the proposal for holiday listing for a period lesser than that was recommended, in case the competent authority is of the opinion that lesser period would meet the requirement, considering the gravity of the case, OR
- Reject the proposal, in case, based on explanation furnished by the Agency, the Competent Authority is of opinion that the alleged misconduct / malpractice was either not substantiated or has happened on account of circumstances on which Agency had no control.

4.2.9. The decision of the Competent Authority regarding Holiday Listing of business dealings should be communicated to the 'Agency' concerned, by the concerned procurement department. A draft proforma for intimation of Holiday Listing to Agency is at Annexure II.

4.2.10. The Holiday Listing process should be completed at the earliest, and in any case within 45 days from initiation of case by concerned Engineer / Officer – In-Charge /Department responsible for invitation of bids.

However, if any agency , which is under holiday listing process with BPCL, has participated in a tender by submitting bid, the department responsible for initiating the holiday listing process shall expedite completion of the same within 21 days of technical bid opening , based on which the tender can be proceeded with.

4.2.11. Competent Authority shall decide on the period of holiday listing, on case to case basis, depending on the gravity of the case and considering the implications for BPCL on account of the Act/Omission on the part of the Agency, intentions of the Agency as established from the circumstances of the case, frequency of tendering for work of similar nature etc.

4.2.12. Ordinarily the period for which as Agency is Holiday listed should not be less than 1 year (6 months in less serious cases with proper justification) and should not exceed 3 years. However, in extraordinary circumstances as mentioned below, banning of 15 years can be done. The broad guidelines for the period of holiday listing based on the circumstances under which they were put on holiday listing is as under :

S.No	Reasons for holiday listing	Period of holiday listing
1	Indulged in malpractices resulting in financial loss to the Corporation	15 years
2	Submitted fake, false or forged documents / certificates	3 years
3	has substituted materials in lieu of materials supplied by BPCL or has not returned or has unauthorisedly disposed off materials / documents / drawings / tools or plants or equipment's supplied by BPCL	15 years
4	Has deliberately violated and circumvented the provisions of labour laws/ regulations / rules, safety norms, environmental norms or other statutory requirements	3 years
5	has deliberately indulged in construction and erection of defective works or supply of defective materials	3 years
6	has not cleared BPCLs previous dues if applicable	1 year
7	has committed breach of contract or has abandoned the contract	3 years
8	Poor performance of the Agency in one or several contracts	1 year
9	has not honoured the fax of award / letter of award / Contract / Purchase order after the same is issued by BPCL	1 year
10	Withdraws/ revises the bid upwards after becoming the L1 bidder	1 year
11	has parted with , leaked or provided confidential / proprietary information of BPCL to any third party without the prior consent of BPCL	15 years
12	If the Agency Is or has become bankrupt , OR is being dissolved OR has resolved to be wound up OR if proceedings for winding up or dissolution has been instituted against the Agency	3 years
13	Transgression of Integrity Pact , which, in the opinion of the Corporation, makes it undesirable to deal with the Agency;	3 years

4.2.13. In cases where Holiday Listing is proposed based on advice from the Administrative Ministry, .no show cause or formal decision by competent authority will be required. The Nodal Department will directly intimate the Agency that they have been placed in Holiday Listing by BPCL based on the Ministry's advice

4.2.14. Provision for Appeal;

(i) An agency aggrieved with the decision of the Competent Authority shall have the option of filing an appeal against the decision of the Competent Authority within a maximum of 15 days from the date of receipt of intimation of holiday listing.

(ii) Any appeal filed after expiry of the above period shall not be considered by the Appellate Authority;

(iii) On receipt of the Appeal from the Agency, the Appellate Authority, if it so desires , may call for comments from the Competent Authority;

(iv) After receipt of the comments from the Competent Authority, the Appellate Authority , if it so desires , may also give an opportunity for personal hearing, to the Appellant Agency;

(v) After examining the facts of the case and documents available on record and considering the submissions of the Appellant Agency, the Appellate Authority may pass appropriate order by which the Appellate Authority may either :

a) Uphold the decision of Competent authority with or without any variation /lesser period of Holiday Listing; OR

b) Annul the order of the Competent Authority.

(vi) Appellate Authority shall pass its order within a maximum period of 45 days from the date of receipt of Appeal.

(vii) Order of the Appellate Authority shall be communicated to the Agency by the Procurement Department copy of which shall be given to the Competent Authority and also to the Nodal Department as well. A draft proforma for communicating the decision of the Appellate Authority is at Annexure III

(viii)No Appeal is permitted in case an Agency is placed in Holiday List by BPCL, based on Ministry's advice.

4.2.15. Effect of Holiday Listing

(i) No enquiry / bid / tender shall be entertained with an Agency (including Allied Agency) as long as the 'Agency' name appears in the Holiday list.

(ii) If an 'Agency' is put on the Holiday list during tendering :

a) If an 'Agency' is put on Holiday List after issue of the enquiry / bid / tender but before

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opening of the un-priced bid, the un-priced bid of the 'Agency' shall not be opened and BG/EMD , if submitted by the 'Agency' shall be returned . If an 'Agency' is put on Holiday List after un-priced bid opening but before price bid opening, the price bid of the 'Agency' shall not be opened and BG/EMD submitted by the 'Agency' shall be returned .

b) If an'Agency'is put on Holiday List after opening of price bid but before finalization of the tender, the offer of the 'Agency' shall be ignored and will not be further evaluated and the BG/EMD if any submitted by the 'Agency' shall be returned, The 'Agency' will not be considered for issue of order even if the 'Agency' is the lowest (L1). In such situation next lowest shall be considered as L1;

bb) In case, any debarred firms has submitted the bid, the same will be ignored. In case such firm is lowest (L-1), next lowest firm shall be considered as L-1. Bid security submitted by such debarred firms shall be returned to them.

c) If contract with the 'Agency' concerned is in operation, (including cases were contract has already been awarded before decision of holiday listing) normally order for Holiday Listing from business dealings cannot affect the contract, because contract is a legal document and unless the same is terminated in terms of the contract, unilateral termination will amount to breach and will have civil consequences.

(iii) In cases where holiday listing proposal has been initiated by some procurement department in the Corporation, but the process is yet to be completed and order of Competent Authority is awaited, the tendering process may be taken forward till price bid opening and after price bid opening, decision on the tender may be kept on hold till such time order of Competent Authority is issued.

5. **Declaration by Bidders regarding Holiday Listing status:**

Tenders invited for purchase of Goods and Services for both Open Tenders as well as Limited Tenders, should have the provision that the bidder should submit a declaration to the effect that they are not currently serving any Holiday Listing orders issued by BPCL or MOPNG debarring them from carrying on business dealings with the BPCL/MOPNG. Offers not accompanied with a declaration should be incorporated in rejection criteria. Any wrong declaration in this context shall make the Agency liable for action under this Holiday Listing procedure.

Bidder should submit a declaration to the effect that he has not been convicted of an offence–

(a) under the Prevention of Corruption Act, 1988; or

(b) the Indian Penal Code or any other law for the time being in force, for causing any loss of life or property or causing a threat to public health as part of execution of a public procurement contract.

6. **Revocation of Holiday Listing:**

6.1 An order for Holiday Listing once passed for a certain specified period shall be revoked as under:

6.1.1. An order for Holiday Listing passed for a certain specified period shall be revoked on the expiry of that specified period, subject to the Agency giving a request in writing clearly mentioning the corrective action which has already been taken / proposed to be taken, to avoid recurrence Specific order of revocation shall be issued by the concerned Procurement Department Vendor Enlistment Committee, which had recommended the Holiday Listing , after considering the Vendor's request, with copy to the Nodal Department.

6.1.2. A Holiday Listing order may, on a review during its currency of operation, be revoked by the competent authority if it is of the opinion that the disability already suffered is adequate in the circumstances of the case, and the Agency has taken appropriate action to avoid recurrence.

7. **Publishing of holiday listing information in BPCL Web-site:**

7.1 Once an order of Holiday Listing of an Agency is passed by a Competent Authority, the said information shall be published in the BPCL web-site, by the Nodal Department;

7.2 All Procurement Agencies, should before issue of tender in limited tender cases and before opening of price bids in all cases, verify with this published information that the bidder concerned is not currently serving any Holiday Listing orders issued by BPCL; suitable declarations to this effect shall be incorporated in the concerned approval notes/TEC Note.

7.3 All orders of revocation of holiday listing shall, immediately on revocation, be made available to the Nodal Department, who in turn shall update the information in the web-site accordingly.

7.4 To take cognizance of the holiday listing process in the initiation stage itself, the Nodal Department should update the information in the BPCL web site, as soon as they get intimation from the Procurement Group, along with copy of proposed show cause notice.

7.5 If any Communication is received from the Administrative Ministry (i.e. MOP&NG) advising banning of business dealings with any Agency, the Nodal Department should take immediate action to circulate the same to all Procurement Departments within the Corporation, update the website and also send intimation to the concerned Agency in format Ann. IV

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Annexure –I

(Proforma of Show Cause Notice)

BY REGD. POST/SPEED POST/COURIER

No. .....

Date.....

To M/s ....

Attn.: Shri .....

Sub: Show Cause Notice

Ref :

Dear Sir,

You are hereby required to show cause in writing within 15 days from the date hereof why you should not be placed on Holiday List and be debarred from entering into any contracts with BPCL for the following reasons:

(Give Reasons)

Your reply (if any) should be supported by documents and documentary evidence which you wish to rely in support of your reply should you fail to reply to this Show Cause Notice within the time and manner aforesaid, it will be presumed that you have nothing to say and we shall proceed accordingly.

Your reply, if any, and the documents / documentary evidence given in support shall; be taken into consideration prior to arriving at a decision.

Yours faithfully,

For & On behalf of BPCL.

Annexure –II

(Proforma for Intimation of Holiday Listing)

BY REGD. POST/SPEED POST/COURIER

No.....

Date.....

To M/s .....

Attn.: Shri .....

Sub: Intimation of Banning of Business Dealings / Holiday Listing

Dear Sir,

WHERAS our Show Cause Notice served to you dated .....WHERAS, in spite of the opportunity given to you, you have failed to show cause as required / your reply to the show cause notice *(and documents and documentary evidence submitted in support of your reply) has / have been duly considered;

(Speaking Order either to agree or rebut the reply furnished by Agency – allegation wise)

After considering the allegations made in the show cause notice/your reply to the show cause notice*(and documents and documentary evidence furnished in support thereof) as cited above. it has been decided that business dealings with you will be banned and you are hereby debarred from entering into contracts with BPCL for ..... Years/months, effective from the date hereof.

This order shall have the following effects:

1. No enquiry / bid / tender shall be issued to you nor will the bids submitted by you be entertained;
2. In cases where tenders have already been issued to you and price bids are yet to be opened, the price bid submitted by you shall not be opened and BG/EMD, if any, submitted by you shall be returned.
3. In cases where tenders have already been issued to you and price bids have already been opened , but final decision is pending, your quote will not be considered for further evaluation and finalization of the tender, and BG/EMD, if any, submitted by you shall be returned.
4. In case of ongoing contracts between you & BPCL, (including cases were contract has already been awarded before .....) you will be required to continue with the execution and perform as per terms of the contract.

In case you are aggrieved by this order, you may file an Appeal before ..... (Indicate here the relevant Appellate Authority), within a maximum of 15 days from the date of receipt of this order.

You may represent your case before the Appellate Authority, along with necessary justification.

On expiry of the above period of holiday listing, you may approach.....(indicate the concerned procurement department) , with request for revocation of the order mentioning inter-alia the steps taken by you to avoid recurrence of misconduct which has led to the Holiday Listing. (Give Reasons)

Yours faithfully,

For & On behalf of BPCL.

Annexure –III

(Proforma for communication of Appellate Decision on Holiday Listing Order)

BY REGD. POST/SPEED POST/COURIER

No. .....

Date .....

To M/s .....

.....

Attn.: Shri .....

Sub: Banning of Business Dealings / Holiday Listing- Intimation of decision of Appellate Authority

Ref: 1. Order dated ..... placing M/s ..... on Holiday List by BPCL;

2. Your Appeal reference ..... Dt.....

Dear Sir,

This has reference to the order dt..... placing you on Holiday List and your appeal petition reference ..... dt.... on the same.

After considering the findings of the Original Authority in order dt....., submissions made by you in your appeal, and the documents/documentary evidences available on record, it has been decided finally that:

- There is no infirmity in the order of the Original Authority, and the allegations stand substantiated and the Holiday Listing for the period of ..... years/month from the date of order, as ordered by the original Authority is upheld,
- Considering your submissions, the order of Holiday Listing passed by the original authority is upheld, but with a reduction in period of holiday listing for ..... years/months from the date of order of original authority.
- Considering your submissions and the evidence available on record, there is enough justification to annul the order of the original authority.

(*** Incorporate any one of the above as applicable)

Yours faithfully,

For & On behalf of BPCL.

Annexure –IV

(Proforma for Intimation of Holiday Listing- based on Ministry's Advice)

BY REGD. POST/SPEED POST/COURIER

No. .....

Date ..... To M/s

.....

.....

Attn.: Shri .....

Sub : Intimation of Banning of Business Dealings / Holiday Listing

Ref: MOP&NG's letter ref ..... dt....., advising banning of business dealings with M/s.....

Dear Sir,

WHERAS we have been advised by MOP&NG that all business dealings with you is to be banned and you should be placed on Holiday List for a period of .....yrs/months from.....; You are hereby informed that the business dealings with you would be banned and you are hereby debarred from entering into contracts with BPCL for ..... Years/months, effective from the date hereof.

On expiry of the above period of holiday listing, you may approach.....(indicate the concerned procurement department) , with request for revocation of the order mentioning inter-alia the steps taken by you to avoid recurrence of misconduct which has led to the Holiday Listing

Yours faithfully,

For & On behalf of BPCL.

FORMAT for Declaration of Holiday Listing orders issued by BPCL or MOPNG debarring us from carrying on business dealings with BPCL/ MOPNG.

(On Company Letter Head, to be signed by the duly authorized person)

Date: _____

TENDER NO. : .....

TITLE OF TENDER: .....

To,
Bharat Petroleum Corporation Ltd

Dear Sir/Madam,

I /We declare and confirm that we are currently not serving any Holiday Listing orders issued by BPCL or MOPNG debarring us from carrying on business dealings with BPCL/ MOPNG or convicted of an offence –

(a) under the Prevention of Corruption Act, 1988: or

(b) the Indian Penal Code or any other law for the time being in force, for causing any loss of life or property or causing a threat to public health as part of execution of a public procurement contract.

(Signature and Stamp of the Bidder)

Bidder Name:

Date :

Address:

APPENDIX VI : VERIFICATION OF MSE REGISTRATION CERTIFICATE BY CHARTERED ACCOUNTANT

Ref : MA.TEC.POL.CON.3A

29th January 2020

Note To : All SBU / Entity Heads,
All SBU /Entity Finance Heads

Subject : Verification of MSE Registration certificate by Chartered Accountant

Bidders who are Micro & Small Enterprises (MSEs), MSEs owned by SC/ST and MSEs owned by Women Entrepreneurs are allowed Purchase Preference as per the government guidelines / instructions in force from time to time.

Currently as per the public procurement policy for MSEs (MSME Order 2012), participating MSE vendors quoting price within the band of L1+15% in tenders are allowed to supply a portion of requirement by bringing down their price to L1 price in a situation where L1 price is from someone other than MSE. Orders are placed on such MSEs, to supply atleast 25% of total tendered value. Further out of the 25% order earmarked for MSE vendors who match L1 price, a minimum of 3% to be reserved for "Women owned MSEs" and 4% to be reserved for "MSEs owned by SC/ST Entrepreneurs".

MSE bidders are also exempted from submission of EMD and tender related fees.

To be eligible for the privileges as mentioned above, MSE vendors are required to submit MSE Registration Certificate issued by the NSIC or any of the authorities specified under the Public Procurement Policy for MSEs.

Office of the Development Commissioner (Ministry of MSME) has recently issued a clarification stating that MSE Registration on the UAM portal is done by the firms on the basis of self-declaration. Ministry of MSME does not carry out verification of the information uploaded by the MSE. Therefore, it is the responsibility of concerned CPSE to verify/ascertain the veracity of the claim of any MSE regarding any particular enterprise satisfying the criterion of the Investment limits as mentioned in the MSMED Act, 2006 before giving any benefit under Public Procurement Policy. Further they have clarified that
CA certificate issued by Chartered Accountants may be accepted as supporting document for verification of the MSE Registration Certificate during the tender evaluation process.

Thus in the process of verification of original documents required for Bid Qualification Criteria, MSE certificate forms an extremely important document that needs to be verified since it leads to passing of benefits like EMD exemption and extending Purchase Preference to the party.

In view of the above, all bidders quoting as MSE would be required to submit CA certificate along with MSE Registration Certificate/document **(not applicable in case of NSIC)** to avail the benefits under Public Procurement Policy as per MSMED Act 2006 / Public Procurement Policy Order 2012. The CA certificate should be dated after the date of floating of tender and

shall be specific to the tender for which bid is being submitted. Format of the CA certificate is attached for reference (Annexure – A).

Further above mentioned CA certification process need not be done in case vendor submits valid NSIC (National Small Industries Corporation) Certificate, since same is issued after due inspection.

Bidder shall have to submit copy of MSE Registration certificate along with CA certificate. In case CA certificate is not submitted, bid of the vendor shall be rejected at EMD stage (for open tenders).

All tendering / procurement groups may be suitably advised to ensure the verification process as mentioned above before passing on important benefits like EMD exemption and extending purchase preference to the MSEs.

Annexure : A

Date:_____

CERTIFCATE CONFIRMING ELIGIBILTY FOR BENEFITS OF PUBLIC PROCUREMENT POLICY

Ref: Tender No…….. for…….

This is to confirm that we have verified the investment limits and other details of Unit _____ _____pertaining to M/s _____ and certify that they satisfy the eligibility criteria as per MSMED Act, 2006 and other notifications/circulars issued from time to time in this regard. Accordingly, M/s _____ is a Micro/Small enterprise under the said Act and are eligible to claim the benefits of public procurement policy for the tender mentioned above.

In case applicable:
Based on our verification of share holding pattern and other details, it is certified that M/s _____ meets the eligibility criteria under SC/ST provision of Public Procurement Policy Order 2012 and other notifications/circulars issued from time to time in this regard and are hence eligible to claim benefits pertaining to SC/ST under the act.

In case applicable:
Based on our verification of share holding pattern and other details, it is certified that M/s _____ meets the eligibility criteria under Women Entrepreneur provision of Public Procurement Policy Order 2012 and other notifications/circulars issued from time to time in this regard and are hence eligible to claim benefits pertaining to Women Entrepreneur under the Act.

(Membership No. of CA along with certification / stamp)

APPENDIX VII : ACKNOWLEDGEMENT CUM CONSENT LETTER

REPLY / ACKNOWLEDGEMENT LETTER

(PLEASE E-MAIL TO EIL WITHIN THREE DAYS ON RECEIPT OF RFQ)

Sr. General Manager (SCM)
Engineers India Limited
Tower-1, 1st Floor, R&D Complex, Sector-16
Gurugram, Haryana–122001
INDIA

Attention : Ms. Sangitta Ghuliani, Sr.GM (SCM)

Client : M/s Bharat Petroleum Corporation Limited, BIna Refinery
Project *: BINA PETCHEM AND REFINERY EXPANSION PROJECTS (BPREP)*
RFQ No. : ……
Item : ……..

Dear Sirs / Madam,

We acknowledge with thanks receipt of your above cited RFQ along with enclosures. We undertake that the contents of the above RFQ shall be kept confidential including all the drawings, specifications and documents and the said documents shall be used only for the purpose, for which they are intended.

Further, our response is as under:- (Bidders to put a tick √, as applicable).

1. **We will submit the bid within due date.** ☐

2. **We regret to submit our offer/quote because of the following reasons:** ☐
   a. _____
   b. _____

Thanking you,

Very truly yours,

Name of Bidder :
Contact Person :
Contact Person Mobile No :
Bidder's Address :
Bidder's Phone No. :
Bidder's Fax No. :
Bidder's E-mail :

APPENDIX VIII: POLICY ON MSE PURCHASE PREFERENCE

रजिस्ट्री सं. डी.एल.-33004/99

REGD. No. D. L-33004/99

भारत का राजपत्र
The Gazette of India

सी.जी.-डी.एल.-अ.-18102022-239737
CG-DL-E-18102022-239737

असाधारण
EXTRAORDINARY

भाग II—खण्ड 3—उप-खण्ड (ii)
PART II—Section 3—Sub-section (ii)

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं. 4714] नई दिल्ली, मंगलवार, अक्तूबर 18, 2022/आश्विन 26, 1944
No. 4714] NEW DELHI, TUESDAY, OCTOBER 18, 2022/ASVINA 26, 1944

सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय

अधिसूचना

नई दिल्ली, 18 अक्तूबर, 2022

का.आ. 4926(अ).—केन्द्रीय सरकार, सूक्ष्म, लघु और मध्यम उद्यम विकास अधिनियम, 2006 (2006 का 27) की धारा 7 की उप-धारा (9) के साथ पठित उप-धारा (1) और धारा 8 की उप-धारा (3) के साथ पठित उप-धारा (2) के द्वारा प्रदत्त शक्तियों का प्रयोग करते हुए, भारत सरकार के सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय की अधिसूचना संख्यांक का.आ. 2119(अ), तारीख 26 जून, 2020 जो भारत के राजपत्र, असाधारण, भाग II, खंड 3, उपखंड (ii) में प्रकाशित की गई थी, का और संशोधन करती है, अर्थात् :-

उक्त अधिसूचना में, पैरा 8 के उप पैरा (5) के स्थान पर निम्नलिखित उप पैरा रखा जाएगा, अर्थात् :-

"(5) संयंत्र और मशीनरी या उपस्कर में किसी में उच्चतर पठनक्षमता अथवा/और टनभारिता में उच्चतर पठनक्षमता तथा पठनक्षमता रूपांतरण की अवस्था में, कोई उद्यम उस प्रवर्ग (सूक्ष्म या लघु या मध्यम) से तब से उच्चतर पठनक्षमता की तारीख से तीन वर्ष की अवधि के लिए उन सभी माल-कर लाभों का उपयोग करता रहेगा, जो ऐसे पुनर्वर्गीकरण से पहले कर रहा था ।"

[फा. सं. पी-05/1/2022-जीईएन]

जितेंद्र कुमार सैनी, अपर सचिव एवं विकास आयुक्त (एमएसएमई)

टिप्पण : मूल अधिसूचना संख्यांक का.आ. 2119(अ), तारीख 26 जून, 2020 द्वारा भारत के राजपत्र, भाग II, खंड 3, उपखंड (ii) में प्रकाशित की गई थी और तत्पश्चात् संख्यांक का.आ. 1055(अ), तारीख 5 मार्च, 2021, का.आ. 2347(अ), तारीख 16 जून, 2021, का.आ. 278(अ), तारीख 19 जनवरी, 2022 और का.आ. 2134(अ), तारीख 6 मई, 2022 द्वारा संशोधित की गई थी ।

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MINISTRY OF MICRO, SMALL AND MEDIUM ENTERPRISES

NOTIFICATION

New Delhi, the 18th October, 2022

S.O. 4926(E).—In exercise of the powers conferred by sub-section (1) read with sub-section (9) of section 7 and sub-section (2) read with sub-section (3) of section 8 of the Micro, Small and Medium Enterprises Development Act, 2006 (27 of 2006), the Central Government hereby makes the following further amendments in the notification of the Government of India, Ministry of Micro, Small and Medium Enterprises number S.O. 2119(E), dated the 26th June, 2020, published in the Gazette of India, Extraordinary, Part-II,Section 3, Sub-section (ii), namely:-

In the said notification, for sub-paragraph (5) of paragraph 8, the following sub-paragraph shall be substituted, namely:-

"(5) In case of an upward change in terms of investment in plant and machinery or equipment or turnover or both, and consequent re-classification, an enterprise shall continue to avail of all non-tax benefits of the category (micro or small or medium) it was in before the re-classification, for a period of three years from the date of such upward change.".

[F. No. P-05/1/2022-GEN]

SHAILESH KUMAR SINGH, Addl. Secy.
and Development Commissioner (MSME).

Note : The principal notification was published in the Gazette of India, Extraordinary, Part-II, Section 3, Sub-section (ii) *vide* number S.O. 2119 (E), dated the 26th June, 2020 and subsequently amended *vide* numbers S.O. 1055(E), dated the 5th March, 2021, S.O. 2347(E), dated the 16th June, 2021, S.O. 278(E), dated the 19thJanuary, 2022 and S.O. 2134(E), dated the 6th May, 2022.

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MANOJ KUMAR VERMA Digitally signed by MANOJ KUMAR VERMA Date: 2022.10.18 22:11:26 +05'30'

MINISTRY OF MICRO, SMALL AND MEDIUM ENTERPRISES

NOTIFICATION

New Delhi, the 26th June, 2020

S.O. 2119(E).—In exercise of the powers conferred by sub-section (1) read with sub-section (9) of section 7 and sub-section (2) read with sub-section (3) of section 8, of the Micro, Small and Medium Enterprises Development Act, 2006, (27 of 2006), hereinafter referred to as the said Act, and in supersession of the notifications of the Government of India in the Ministry of Micro, Small and Medium Enterprises number S.O.1702 (E), dated the 1st June, 2020, S.O. 2052 (E), dated the 30th June, 2017, S.O.3322 (E), dated the 1st November, 2013 and S.O.1722 (E), dated the 5th October, 2006, published in the Gazette of India, Extraordinary, Part II, Section 3, Sub-Section (ii), except as respects things done or omitted to be done before such supersession, the Central Government, after obtaining the recommendations of the Advisory Committee in this behalf, hereby notifies certain criteria for classifying the enterprises as micro, small and medium enterprises and specifies the form and procedure for filing the memorandum (hereafter in this notification to be known as ―Udyam Registration‖), with effect from the 1st day of July, 2020, namely:--

1. Classification of enterprises.-An enterprise shall be classified as a micro, small or medium enterprise on the basis of the following criteria, namely:--

(i) a micro enterprise, where the investment in plant and machinery or equipment does not exceed one crore rupees and turnover does not exceed five crore rupees;

(ii) a small enterprise, where the investment in plant and machinery or equipment does not exceed ten crore rupees and turnover does not exceed fifty crore rupees; and

(iii) a medium enterprise, where the investment in plant and machinery or equipment does not exceed fifty crore rupees and turnover does not exceed two hundred and fifty crore rupees.

2. Becoming a micro, small or medium enterprise.--

(1) Any person who intends to establish a micro, small or medium enterprise may file Udyam Registration online in the Udyam Registration portal, based on self-declaration with no requirement to upload documents, papers, certificates or proof.

(2) On registration, an enterprise (referred to as ―Udyam‖ in the Udyam Registration portal) will be assigned a permanent identity number to be known as ―Udyam Registration Number‖.

(3) An e-certificate, namely, ―Udyam Registration Certificate‖ shall be issued on completion of the registration process.

3. Composite criteria of investment and turnover for classification.--

(1) A composite criterion of investment and turnover shall apply for classification of an enterprise as micro, small or medium.

(2) If an enterprise crosses the ceiling limits specified for its present category in either of the two criteria of investment or turnover, it will cease to exist in that category and be placed in the next higher category but no enterprise shall be placed in the lower category unless it goes below the ceiling limits specified for its present category in both the criteria of investment as well as turnover.

(3) All units with Goods and Services Tax Identification Number (GSTIN) listed against the same Permanent Account Number (PAN) shall be collectively treated as one enterprise and the turnover and investment figures for all of such entities shall be seen together and only the aggregate values will be considered for deciding the category as micro, small or medium enterprise.

4. Calculation of investment in plant and machinery or equipment.--

(1) The calculation of investment in plant and machinery or equipment will be linked to the Income Tax Return (ITR) of the previous years filed under the Income Tax Act, 1961.

(2) In case of a new enterprise, where no prior ITR is available, the investment will be based on self-declaration of the promoter of the enterprise and such relaxation shall end after the 31st March of the financial year in which it files its first ITR.

(3) The expression ―plant and machinery or equipment‖ of the enterprise, shall have the same meaning as assigned to the plant and machinery in the Income Tax Rules, 1962 framed under the Income Tax Act, 1961 and shall include all tangible assets (other than land and building, furniture and fittings).

(4) The purchase (invoice) value of a plant and machinery or equipment, whether purchased first hand or second hand, shall be taken into account excluding Goods and Services Tax (GST), on self-disclosure basis, if the enterprise is a new one without any ITR.

(5) The cost of certain items specified in the *Explanation I* to sub-section (1) of section 7 of the Act shall be excluded from the calculation of the amount of investment in plant and machinery.

5. Calculation of turnover.--

(1) Exports of goods or services or both, shall be excluded while calculating the turnover of any enterprise whether micro, small or medium, for the purposes of classification.

(2) Information as regards turnover and exports turnover for an enterprise shall be linked to the Income Tax Act or the Central Goods and Services Act (CGST Act) and the GSTIN.

(3) The turnover related figures of such enterprise which do not have PAN will be considered on self-declaration basis for a period up to 31st March, 2021 and thereafter, PAN and GSTIN shall be mandatory.

6. Registration process.—

(1) The form for registration shall be as provided in the Udyam Registration portal.

(2) There will be no fee for filing Udyam Registration.

(3) Aadhaar number shall be required for Udyam Registration.

(4) The Aadhaar number shall be of the proprietor in the case of a proprietorship firm, of the managing partner in the case of a partnership firm and of a karta in the case of a Hindu Undivided Family (HUF).

(5) In case of a Company or a Limited Liability Partnership or a Cooperative Society or a Society or a Trust, the organisation or its authorised signatory shall provide its GSTIN and PAN along with its Aadhaar number.

(6) In case an enterprise is duly registered as an Udyam with PAN, any deficiency of information for previous years when it did not have PAN shall be filled up on self-declaration basis.

(7) No enterprise shall file more than one Udyam Registration:

Provided that any number of activities including manufacturing or service or both may be specified or added in one Udyam Registration.

(8) Whoever intentionally misrepresents or attempts to suppress the self-declared facts and figures appearing in the Udyam Registration or updation process shall be liable to such penalty as specified under section 27 of the Act.

7. Registration of existing enterprises.---

(1) All existing enterprises registered under EM–Part-II or UAM shall register again on the Udyam Registration portal on or after the 1st day of July, 2020.

(2) All enterprises registered till 30th June, 2020, shall be re-classified in accordance with this notification.

(3) The existing enterprises registered prior to 30th June, 2020, shall continue to be valid only for a period up to the 31stday of March, 2021.

(4) An enterprise registered with any other organisation under the Ministry of Micro, Small and Medium Enterprises shall register itself under Udyam Registration.

8. Updation of information and transition period in classification.--

(1) An enterprise having Udyam Registration Number shall update its information online in the Udyam Registration portal, including the details of the ITR and the GST Return for the previous financial year and such other additional information as may be required, on self-declaration basis.

(2) Failure to update the relevant information within the period specified in the online Udyam Registration portal will render the enterprise liable for suspension of its status.

(3) Based on the information furnished or gathered from Government's sources including ITR or GST return, the classification of the enterprise will be updated.

(4) In case of graduation (from a lower to a higher category) or reverse-graduation (sliding down to lower category) of an enterprise, a communication will be sent to the enterprise about the change in the status.

(5) In case of an upward change in terms of investment in plant and machinery or equipment or turnover or both, and consequent re-classification, an enterprise will maintain its prevailing status till expiry of one year from the close of the year of registration.

(6) In case of reverse-graduation of an enterprise, whether as a result of re-classification or due to actual changes in investment in plant and machinery or equipment or turnover or both, and whether the enterprise is registered under the Act or not, the enterprise will continue in its present category till the closure of the financial year and it will be given the benefit of the changed status only with effect from 1st April of the financial year following the year in which such change took place.

9. Facilitation and grievance redressal of enterprises.--

(1) The Champions Control Rooms functioning in various institutions and offices of the Ministry of Micro, Small and Medium Enterprises including the Development Institutes (MSME-DI) shall act as Single Window Systems for facilitating the registration process and further handholding the micro, small and medium enterprises in all possible manner.

(2) The District Industries Centres (DICs) will also act as Single Window facilitation Systems in their Districts.

(3) Any person who is not able to file the Udyam Registration for any reason including for lack of Aadhaar number, may approach any of the above Single Window Systems for Udyam Registration purposes with his Aadhaar enrolment identity slip or copy of Aadhaar enrolment request or bank photo pass book or voter identity card or passport or driving licence and the Single Window Systems will facilitate the process including getting an Aadhaar number and thereafter in the further process of Udyam Registration.

(4) In case of any discrepancy or complaint, the General Manager of the District Industries Centre of the concerned District shall undertake an enquiry for verification of the details of Udyam Registration submitted by the enterprise and thereafter forward the matter with necessary remarks to the Director or Commissioner or Industry Secretary concerned of the State Government who after issuing a notice to the enterprise and after giving an opportunity to present its case and based on the findings, may amend the details or recommend to the Ministry of Micro, Small or Medium Enterprises, Government of India, for cancellation of the Udyam Registration Certificate.

[F. No. 21(5)/2019-P&G/Policy (Pt-IV)]

A. K. SHARMA, Secy.

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MINISTRY OF MICRO, SMALL AND MEDIUM ENTERPRISES

NOTIFICATION

New Delhi, the 16th June, 2021

S.O. 2347(E).—In exercise of the powers conferred by sub-sections (1) and (9) of section 7 read with sub-sections (2) and (3) of section 8 of the Micro, Small and Medium Enterprises Development Act, 2006 (27 of 2006), the Central Government hereby makes the following amendments in the notification of Government of India, Ministry of Micro, Small and Medium Enterprises number S.O. 2119 (E), dated the 26th June, 2020, published in the Gazette of India, Extraordinary, Part II, Section 3, sub-section (ii), namely:-

In the said notification, in paragraph (7), in sub-paragraph (3), for the figures and words, "31st day of March, 2021" the figures and words "31st day of December, 2021" shall be substituted.

[F. No. PY-10024/6/2021-P and G-DCMSME]

D. K. SINGH, Addl. Secy.

Note : The principal notification was published in the Gazette of India, Extraordinary, Part-II, Section 3, Sub-section (ii) *vide* number S.O. 2119 (E), dated the 26th June, 2020 and subsequently amended *vide* number 1055(E) dated 5th March, 2021.

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टिप्पण : मूल अधिसूचना भारत के राजपत्र, असाधारण, भाग II, खंड 3, उपखंड (ii) में का.आ. 2119(अ), तारीख 26 जून, 2020 द्वारा प्रकाशित की गई थी।

MINISTRY OF MICRO, SMALL AND MEDIUM ENTERPRISES

NOTIFICATION

New Delhi, the 5th March, 2021

S.O. 1055(E).—In exercise of the powers conferred by sub-sections (1) and (9) of section 7 read with sub-sections (2) and (3) of section 8 of the Micro, Small and Medium Enterprises Development Act, 2006 (27 of 2006), the Central Government hereby makes the following amendments in the notification of Government of India, Ministry of Micro, Small and Medium Enterprises number S.O. 2119 (E), dated the 26th June, 2020, published in the Gazette of India, Extraordinary, Part II, Section 3, sub-section (ii), namely:-

In the said notification,–

(i) in paragraph (5), after sub-paragraph (3), the following sub-paragraph shall be inserted, namely:-

"(4) The exemption from the requirement of having GSTIN shall be as per the provisions of the Central Goods and Services Tax Act, 2017 (12 of 2017).";

(ii) in paragraph (6), after sub-paragraph (8), the following sub-paragraph shall be inserted, namely:-

"(9) In case of any proprietorship enterprise not registered under any Act or rules of the Central Government or the State Government, the proprietor may use his or her PAN for registration of the enterprise in the Udyam Registration portal and for all other types of enterprises PAN shall be mandatory.".

[F.No.16/4/2019/P-P & G/Policy (Pt 1)]

D. K. SINGH, Addl. Secy.

Note : The principal notification was published in the Gazette of India, Extraordinary, Part-II, Section 3, Sub-section (ii) *vide* number S.O. 2119 (E), dated the 26th June, 2020.

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MINISTRY OF MICRO, SMALL AND MEDIUM ENTERPRISES

New Delhi, the 23rd March, 2012

ORDER

S.O. 581(E).—Whereas, the Central Government Ministries, Departments and Public Sector Undertakings shall procure minimum of 20 per cent of their annual value of goods or services from Micro and Small Enterprises;

And whereas, the Public Procurement Policy shall apply to Micro and Small Enterprises registered with District Industries Centers or Khadi and Village Industries Commission or Khadi and Village Industries Board or Coir Board or National Small Industries Corporation or Directorate of Handicrafts and Handloom or any other body specified by Ministry of Micro, Small and Medium Enterprises;

And whereas, the Public Procurement Policy rests upon core principles of competitiveness, adhering to sound procurement practices and execution of orders for supply of goods or services in accordance with a system which is fair, equitable, transparent, competitive and cost effective; and

And whereas, for facilitating promotion and development of micro and small enterprises, the Central Government or the State Government, as the case may be, by Order notify from time to time, preference policies in respect of procurement of goods and services, produced and provided by micro and small enterprises, by its Ministries or Departments, as the case may be, or its aided institutions and public sector enterprises.

Now, therefore, in exercise of the powers conferred in section 11 of the Micro, Small and Medium Enterprises Development (MSMED) Act 2006, the Central Government, by Order, notifies the Public Procurement Policy (hereinafter referred to as the Policy) in respect of procurement of goods and services, produced and provided by micro and small enterprises, by its Ministries, Departments and Public Sector Undertakings.

2. Short title and commencement. -

(1) This Order is titled as 'Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012'.

(2) It shall come into force with effect from 1st April 2012.

3. Mandatory procurement from Micro Small and Enterprises. – (1) Every Central Ministry or Department or Public Sector Undertaking shall set an annual goal of procurement from Micro and Small Enterprises from the financial year 2012-13 and onwards, with the objective of achieving an overall procurement of minimum of 20 per cent, of total annual purchases of products produced and services rendered by Micro and Small Enterprises in a period of three years.

(2) Annual goal of procurement also include sub-contracts to Micro and Small Enterprises by large enterprises and consortia of Micro and Small Enterprises formed by National Small Industries Corporation.

(3) After a period of three years i.e. from 1st April 2015, overall procurement goal of minimum of 20 per cent shall be made mandatory.

(4) The Central Ministries, Departments and Public Sector Undertakings which fail to meet the annual goal shall substantiate with reasons to the Review Committee headed by Secretary (Micro, Small and Medium Enterprises), constituted in Ministry of Micro, Small and Medium Enterprises, under this Policy.

4. Special provisions for Micro and Small Enterprises owned by Scheduled Castes or Scheduled Tribes. % Out of 20 per cent target of annual procurement from Micro and Small Enterprises, a sub-target of 20 per cent (i.e., 4 per cent out of 20 per cent) shall be earmarked for procurement from Micro and Small Enterprises owned by the Scheduled Caste or the Scheduled Tribe entrepreneurs. Provided that, in event of failure of such Micro and Small Enterprises to participate in tender process or meet tender requirements and L1 price, 4 per cent sub-target for procurement earmarked for Micro and Small Enterprises owned by Scheduled Caste or Scheduled Tribe entrepreneurs shall be met from other Micro and Small Enterprises.

5. Reporting of targets in Annual Report. %(1) The data on Government procurements from Micro and Small Enterprises is vital for strengthening the Policy and for this purpose, every Central Ministry or Department or Public Sector Undertaking shall report goals set with respect to procurement to be met from Micro and Small Enterprises and achievement made thereto in their respective Annual Reports.

(2) The annual reporting shall facilitate in better understanding of support being provided by different Ministries or Departments or Public Sector Undertakings to Micro and Small Enterprises.

6. Price quotation in tenders. % (1) In tender, participating Micro and Small Enterprises quoting price within price band of L1+15 per cent shall also be allowed to supply a portion of requirement by bringing down their price to L1 price in a situation where L1 price is from someone other than a Micro and Small Enterprise and such Micro and Small Enterprise shall be allowed to supply up to 20 per cent of total tendered value.

(2) In case of more than one such Micro and Small Enterprise, the supply shall be shared proportionately (to tendered quantity).

7. Developing Micro and Small Enterprise vendors. – The Central Ministries or Departments or Public Sector Undertakings shall take necessary steps to develop appropriate vendors by organizing Vendor Development Programmes or Buyer-Seller Meets and entering into Rate

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Contract with Micro and Small Enterprises for a specified period in respect of periodic requirements.

8. Annual Plan for Procurement from Micro and Small Enterprises on websites. – The Ministries or Departments or Public Sector Undertakings shall also prepare Annual Procurement Plan for purchases and upload the same on their official website so that Micro and Small Enterprises may get advance information about requirement of procurement agencies.

9. Enhancing participations of Micro and Small Enterprises including those owned by Scheduled Castes or Scheduled Tribes in Government procurements. % For enhancing participation of Scheduled Castes or Scheduled Tribes in Government procurement, the Central Government Ministries, Departments and Public Sector Undertakings shall take following steps, namely:-

(a) Special Vendor Development Programmes or Buyer-Seller Meets shall be conducted by Departments/Public Sector Undertakings for Scheduled Castes or Scheduled Tribes;

(b) Outreach programmes shall be conducted by National Small Industries Corporation to cover more and more Micro and Small Enterprises from Scheduled Castes or Scheduled Tribes under its schemes of consortia formation; and

(c) National Small Industries Corporation shall open a special window for Scheduled Castes or Scheduled Tribes under its Single Point Registration Scheme (SPRS).

10. Reduction in transaction cost. % To reduce transaction cost of doing business, Micro and Small Enterprises shall be facilitated by providing them tender sets free of cost, exempting Micro and Small Enterprises from payment of earnest money, adopting e-procurement to bring in transparency in tendering process and setting up a Grievance Cell in the Ministry of Micro, Small and Medium Enterprises.

11. Reservation of specific items for procurement. % To enable wider dispersal of enterprises in the country, particularly in rural areas, the Central Government Ministries or Departments or Public Sector Undertakings shall continue to procure 358 items (Appendix) from Micro and Small Enterprises, which have been reserved for exclusive purchase from them. This will help in promotion and growth of Micro and Small Enterprises, including Khadi and village industries, which play a critical role in fostering inclusive growth in the country.

12. Review Committee. (1) A Review Committee has been constituted under the Chairmanship of Secretary, Ministry of Micro, Small and Medium Enterprises, for monitoring and review of Public Procurement Policy for Micro and Small Enterprises vide Order No. 21(1)/2007-MA dated the 21st June 2010 (Annexure).

(2) This Committee shall, inter alia, review list of 358 items reserved for exclusive purchase from Micro and Small Enterprises on a continuous basis, consider requests of the Central Ministries or Departments or Public Sector Undertakings for exemption from 20 per cent target on a case to case basis and monitor achievements under the Policy.

13. Setting up of Grievance Cell. % In addition, a 'Grievance Cell' will be set up in Ministry of Micro, Small and Medium Enterprises for redressing grievances of Micro and Small Enterprises in Government procurement. This cell shall take up issues related to Government procurement raised by Micro and Small Enterprises with Departments or agencies concerned, including imposition of unreasonable conditions in tenders floated by Government Departments or agencies that put Micro and Small Enterprises at a disadvantage.

14. Special Provisions for Defence Procurements. % Given their unique nature, defence armament imports shall not be included in computing 20 per cent goal for Ministry of Defence. In addition, defence equipments like weapon systems, missiles, etc. shall remain out of purview of such Policy of reservation.

15. Monitoring of Goals. % The monitoring of goals set under the Policy shall be done, in so far as they relate to the Defence sector, by Ministry of Defence itself in accordance with suitable procedures to be established by them.

16. Removal of difficulty. % Any difficulties experienced during the course of implementation of the above Policy shall be clarified by Ministry of Micro, Small and Medium Enterprises through suitable Press releases which would be kept on the public domain.

[F.No. 21(1)/2011-MA]

AMARENDRA SINHA, Additional Secretary and Development Commissioner (MSME)

ANNEXURE

No. 21(1)/2007-MA

Government of India

Ministry of Micro, Small and Medium Enterprises

Office of the Development Commissioner (MSME)

'A' Wing, 7th Floor, Nirman Bhavan,

New Delhi-110108

Dated: 21st June, 2010

ORDER

Subject: Constitution of a Committee for monitoring and

review of the Public Procurement Policy for Micro and Small Enterprises

Pending approval of the new Public Procurement Policy for Micro and Small Enterprises (MSEs), a Committee is hereby constituted for looking into the applicability of some of the provisions of the proposed Policy in respect of select Central Ministries/Departments.. The Committee will be chaired by the Secretary, Ministry of Micro, Small and Medium Enterprises.

2. The composition of the Committee will be as follows:

(i) Secretary, Ministry of MSME : Chairman

(ii) Secretary, Planning Commission : Member

(iv) Secretary, Department of Public Enterprises : Member

(v) Director General (Supplies and Disposals), Department of Commerce, : Member

(vii) Ministry of Commerce and Industry

(viii) Additional Secretary and Development Commissioner (MSME) : Member Secretary

3. The Committee will undertake the following functions:

(i) Consider the requests of the Central Ministries/ Departments/PSUs for exemption, on a case to case basis, from the 20% target;

(ii) Review the list of 358 items (as per Appendix) reserved for exclusive purchase from the MSEs based on the feedback received from the Central Ministries/Departments/PSUs ;

(iii) Review the grievances received from MSEs regarding Government procurement, including imposition of unreasonable conditions in the tenders floated by the Government Departments/PSUs; and

(iv) Suggest special measures to be taken by the Central Ministries/Departments for enhancing their procurements from MSEs.

4. The Committee may co-opt any other Ministries/ Departments of the Central Government as well as State Governments or invite any other expert/person associated/ concerned with the MSMEs in its meetings, as and when required.

5. The Office of the Development Commissioner (MSME) will provide secretariat support to this Committee.

6. This issues with the approval of the Competent Authority.

Sd-

(Praveen Mahto)

Additional Economic Adviser

Ph: 23062230, Fax: 23061611

APPENDIX

LIST OF ITEMS RESERVED FOR PURCHASE FROM SMALL SCALE INDUSTRIAL UNITS INCLUDING HANDICRAFT SECTOR.

Sl No. Item Description

1. AAC/and ACSR Conductor upto 19 strands
2. Agricultural Implements
   (a) Hand Operated tools and implements
   (b) Animal driven implements
3. Air/Room Coolers
4. Aluminum builder's hardware
5. Ambulance stretcher
6. Ammeters/ohm meter/Volt meter (Electro magnetic upto Class I accuracy)
7. Anklets Web Khaki
8. Augur (Carpenters)
9. Automobile Head lights Assembly
10. Badges cloth embroidered and metals
11. Bags of all types i.e. made of leather, cotton, canvas and jute etc. including kit bags, mail bags, sleeping bags and water-proof bag.
12. Bandage cloth
13. Barbed Wire
14. Basket cane (Procurement can also be made from State Forest Corpn. and State Handicrafts Corporation)
15. Bath tubs
16. Battery Charger
17. Battery Eliminator
18. Beam Scales (upto 1.5 tons)
19. Belt leather and straps
20. Bench Vices
21. Bituminous Paints
22. Blotting Paper

23. Bolts and Nuts
24. Bolts Sliding
25. Bone Meal
26. Boot Polish
27. Boots and Shoes of all types including canvas shoes
28. Bowls
29. Boxes Leather
30. Boxes made of metal
31. Braces
32. Brackets other than those used in Railways
33. Brass Wire
34. Brief Cases (other than moulded luggage)
35. Brooms
36. Brushes of all types
37. Buckets of all types
38. Button of all types
39. Candle Wax Carriage
40. Cane Valves/stock valves (for water fittings only)
41. Cans metallic (for milk and measuring)
42. Canvas Products :
    (a) Water Proof Deliver, Bags to spec. No. IS - 1422/70
    (b) Bonnet Covers and Radiators Muff. to spec Drg. Lv 7/NSN/IA/130295
43. Capes Cotton and Woollen
44. Capes Waterproof
45. Castor Oil
46. Ceiling roses upto 15 amps
47. Centrifugal steel plate blowers
48. Centrifugal Pumps suction and delivery 150 mm. x 150 mm
49. Chaff Cutter Blade
50. Chains lashing
51. Chappals and sandals
52. Chamois Leather
53. Chokes for light fitting
54. Chrome Tanned leather (Semi-finished Buffalo and Cow)
55. Circlips
56. Claw Bars and Wires
57. Cleaning Powder
58. Clinical Thermometers
59. Cloth Covers
60. Cloth Jaconet
61. Cloth Sponge
62. Coir fibre and Coir yarn
63. Coir mattress cushions and matting
64. Coir Rope hawserlaid
65. Community Radio Receivers
66. Conduit pipes
67. Copper nail
68. Copper Napthenate
69. Copper sulphate
70. Cord Twine Maker
71. Cordage Others
72. Corrugated Paper Board and Boxes
73. Cotton Absorbent
74. Cotton Belts
75. Cotton Carriers
76. Cotton Cases
77. Cotton Cord Twine
78. Cotton Hosiery
79. Cotton Packs
80. Cotton Pouches
81. Cotton Ropes
82. Cotton Singlets
83. Cotton Sling
84. Cotton Straps
85. Cotton tapes and laces
86. Cotton Wool (Non absorbent)
87. Crates Wooden and plastic
88. (a) Crucibles upto No. 200
    (b) Crucibles Graphite upto No. 500
    (c) Other Crucibles upto 30 kgs.
89. Cumblies and blankets
90. Curtains mosquito
91. Cutters
92. Dibutyl phthalate
93. Diesel engines upto 15 H.P
94. Dimethyl Phthalate
95. Disinfectant Fluids
96. Distribution Board upto 15 amps
97. Domestic Electric appliances as per BIS Specifications :-

- Toaster Electric, Elect. Iron, Hot Plates, Elect. Mixer, Grinders, Room heaters and convectors and ovens

98. Domestic (House Wiring) P.V.C. Cables and Wires (Aluminum) Conforming to the prescribed BIS Specifications and upto 10.00 mm sq. nominal cross section
99. Drawing and Mathematical Instruments

100. Drums and Barrels
101. Dust Bins
102. Dust Shield leather
103. Dusters Cotton all types except the items required in Khadi
104. Dyes :
(a) Azo Dyes (Direct and Acid)
(b) Basic Dyes
105. Electric Call bells/buzzers/door bells
106. Electric Soldering Iron
107. Electric Transmission Line Hardware items like steel cross bars, cross arms clamps arching horn, brackets, etc
108. Electronic door bell
109. Emergency Light (Rechargeable type)
110. Enamel Wares and Enamel Utensils
111. Equipment camouflage Bamboo support
112. Exhaust Muffler
113. Expanded Metal
114. Eyelets
115. Film Polythene - including wide width film
116. Film spools and cans
117. Fire Extinguishers (wall type)
118. Foot Powder
119. French polish
120. Funnels
121. Fuse Cut outs
122. Fuse Unit
123. Garments (excluding supply from Indian Ordnance Factories)
124. Gas mantels
125. Gauze cloth
126. Gauze surgical all types
127. Ghamellas (Tasllas)
128. Glass Ampules
129. Glass and Pressed Wares
130. Glue
131. Grease Nipples and Grease guns
132. Gun cases
133. Gun Metal Bushes
134. Gumtape
135. Hand drawn carts of all types
136. Hand gloves of all types
137. Hand Lamps Railways
138. Hand numbering machine
139. Hand pounded Rice (polished and unpolished)
140. Hand presses
141. Hand Pump
142. Hand Tools of all types
143. Handles wooden and bamboo (Procurement can also be made from State Forest Corpn. and State Handicrafts Corporation)
144. Harness Leather
145. Hasps and Staples
146. Haver Sacks
147. Helmet Non-Metallic
148. Hide and country leather of all types
149. Hinges
150. Hob nails
151. Holdall
152. Honey
153. Horse and Mule Shoes
154. Hydraulic Jacks below 30 ton capacity
155. Insecticides Dust and Sprayers (Manual only)
156. Invalid wheeled chairs.
157. Invertor domestic type upto 5 KVA
158. Iron (dhobi)
159. Key board wooden
160. Kit Boxes
161. Kodali
162. Lace leather
163. Lamp holders
164. Lamp signal
165. Lanterns Posts and bodies
166. Lanyard
167. Latex foam sponge
168. Lathies
169. Letter Boxes
170. Lighting Arresters - upto 22 kv
171. Link Clip
172. Linseed Oil
173. Lint Plain
174. Lockers
175. Lubricators
176. L.T. Porcelain KITKAT and Fuse Grips
177. Machine Screws
178. Magnesium Sulphate
179. Mallet Wooden
180. Manhole covers
181. Measuring Tapes and Sticks

182. Metal clad switches (upto 30 Amps)
183. Metal Polish
184. Metallic containers and drums other than N.E.C. (Not elsewhere classified)
185. Metric weights
186. Microscope for normal medical use
187. Miniature bulbs (for torches only)
188. M.S. Tie Bars
189. Nail Cutters
190. Naphthalene Balls
191. Newar
192. Nickel Sulphate
193. Nylon Stocking
194. Nylon Tapes and Laces
195. Oil Bound Distemper
196. Oil Stoves (Wick stoves only)
197. Pad locks of all types
198. Paint remover
199. Palma Rosa Oil
200. Palmgur
201. Pans Lavatory Flush
202. Paper conversion products- paper bags, envelops, Ice-cream cup, paper cup and saucers and paper Plates
203. Paper Tapes (Gummed)
204. Pappads
205. Pickles and Chutney
206. Piles fabric
207. Pillows
208. Plaster of Paris
209. Plastic Blow Moulded Containers upto 20 litre excluding Poly Ethylene Terphthalate (PET) Containers
210. Plastic cane
211. Playing Cards
212. Plugs and Sockets electric upto 15 Amp
213. Polythene bags
214. Polythene Pipes
215. Post Picket (Wooden)
216. Postal Lead seals
217. Potassium Nitrate
218. Pouches
219. Pressure Die Casting upto 0.75 kg
220. Privy Pans
221. Pulley Wire
222. PVC footwears
223. PVC pipes upto 110 mm
224. PVC Insulated Aluminium Cables (upto 120 sq. mm) (ISS:694)
225. Quilts, Razais
226. Rags
227. Railway Carriage light fittings
228. Rakes Ballast
229. Razors
230. RCC Pipes upto 1200 mm. dia
231. RCC Poles Prestressed
232. Rivets of all types
233. Rolling Shutters
234. Roof light Fittings
235. Rubber Balloons
236. Rubber Cord
237. Rubber Hoses (Unbranded)
238. Rubber Tubing (Excluding braided tubing)
239. Rubberised Garments Cap and Caps etc
240. Rust/Scale Removing composition
241. Safe meat and milk
242. Safety matches
243. Safety Pins (and other similar products like paper pins, staples pins etc.)
244. Sanitary Plumbing fittings
245. Sanitary Towels
246. Scientific Laboratory glass wares (Barring sophisticated items)
247. Scissors cutting (ordinary)
248. Screws of all types including High Tensile
249. Sheep skin all types
250. Shellac
251. Shoe laces
252. Shovels
253. Sign Boards painted
254. Silk ribbon
255. Silk Webbing
256. Skiboots and shoes
257. Sluice Valves
258. Snapfastner (Excluding 4 pcs. ones)
259. Soap Carbolic
260. Soap Curd
261. Soap Liquid
262. Soap Soft
263. Soap washing or laundary soap
264. Soap Yellow
265. Socket/pipes

266. Sodium Nitrate
267. Sodium Silicate
268. Sole leather
269. Spectacle frames
270. Spiked boot
271. Sports shoes made out of leather (for all Sports games)
272. Squirrel Cage Induction Motors upto and including 100 KW440 volts 3 phase
273. Stapling machine
274. Steel Almirah
275. Steel beds stead
276. Steel Chair
277. Steel desks
278. Steel racks/shelf
279. Steel stools
280. Steel trunks
281. Steel wool
282. Steel and aluminium windows and ventilators
283. Stockinet
284. Stone and stone quarry rollers
285. Stoneware jars
286. Stranded Wire
287. Street light fittings
288. Student Microscope
289. Studs (excluding high tensile)
290. Surgical Gloves (Except Plastic)
291. Table knives (Excluding Cutlery)
292. Tack Metallic
293. Taps
294. Tarpaulins
295. Teak fabricated round blocks
296. Tent Poles
297. Tentage Civil/Military and Salitah Jute for Tentage
298. Textiles manufactures other than N.E.C. (not elsewhere classified)
299. Tiles
300. Tin Boxes for postage stamp
301. Tin can unprinted upto 4 gallons capacity (other than can O.T.S.)
302. Tin Mess
303. Tip Boots
304. Toggle Switches
305. Toilet Rolls
306. Transformer type welding sets conforming to IS:1291/75 (upto 600 amps)
307. Transistor Radio upto 3 band
308. Transistorised Insulation - Testers
309. Trays
310. Trays for postal use
311. Trolley
312. Trollies - drinking water
313. Tubular Poles
314. Tyres and Tubes (Cycles)
315. Umbrellas
316. Utensils all types
317. Valves Metallic
318. Varnish Black Japan
319. Voltage Stablisers including C.V.T's
320. Washers all types
321. Water Proof Covers
322. Water Proof paper
323. Water tanks upto 15,000 litres capacity
324. Wax sealing
325. Waxed paper
326. Weighing Scale
327. Welded Wiremash
328. Wheel barrows
329. Whistle
330. Wicks cotton
331. Wing Shield Wipers (Arms and Blades only)
332. Wire brushes and Fibre Brushes
333. Wire Fencing and Fittings
334. Wire nails and Horse shoe nails
335. Wire nettings of gauze thicker than 100 mesh size
336. Wood Wool
337. Wooden ammunition boxes
338. Wooden Boards
339. Wooden Box for Stamps
340. Wooden Boxes and Cases N.E.C. (Not elsewhere classified)
341. Wooden Chairs
342. Wooden Flush Door Shutters
343. Wooden packing cases all sizes
344. Wooden pins
345. Wooden plugs
346. Wooden shelves
347. Wooden veneers
348. Woollen hosiery
349. Zinc Sulphate
350. Zip Fasteners

HANDICRAFT ITEMS

Sl.No.	Item Description	Source of Supply
351	Cane furniture Handlooms	North Eastern Handicrafts and Development Corporation Assam Govt. Marketing Corpn. Craft Society of Manipur Nagaland Handicrafts and Handlooms Development Corpn.
352.	Bamboo file tray, Baskets, Pencil stand, side racks etc.	-do-
353.	Artistic Wooden Furniture	Rajasthan Small Industries Corpn., U.P. Export Corporation.
354.	Wooden paper weight, racks etc.	-do-
355.	Glass covers made and grass jute of wood	-do-
356.	Jute furniture	West Bengal Handicrafts Dev.Corpn. Jute Mfg. Development Corporation Orissa State Handicrafts Dev.Corpn.
357.	Jute bags, file cover	-do-
358.	Woolen and silk carpets	U.P. Export Corporation JandK Sale and Export Corporation

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Ministry of Micro, Small and Medium Enterprises
Office of Development Commissioner (MSME)

New Delhi,
The 23rd March, 2012

ORDER

Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012

Whereas, the Central Government Ministries, Departments and Public Sector Undertakings shall procure minimum of 20 per cent of their annual value of goods or services from Micro and Small Enterprises;

And whereas, the Public Procurement Policy shall apply to Micro and Small Enterprises registered with District Industries Centers or Khadi and Village Industries Commission or Khadi and Village Industries Board or Coir Board or National Small Industries Corporation or Directorate of Handicrafts and Handloom or any other body specified by Ministry of Micro, Small and Medium Enterprises;

And whereas, the Public Procurement Policy rests upon core principles of competitiveness, adhering to sound procurement practices and execution of orders for supply of goods or services in accordance with a system which is fair, equitable, transparent, competitive and cost effective; and

And whereas, for facilitating promotion and development of micro and small enterprises, the Central Government or the State Government, as the case may be, by Order notify from time to time, preference policies in respect of procurement of goods and services, produced and provided by micro and small enterprises, by its Ministries or Departments, as the case may be, or its aided institutions and public sector enterprises.

Now, therefore, in exercise of the powers conferred in section 11 of the Micro, Small and Medium Enterprises Development (MSMED) Act 2006, the Central Government, by Order, notifies the Public Procurement Policy (hereinafter referred to as the Policy) in respect of procurement of goods and services, produced and provided by micro and small enterprises, by its Ministries, Departments and Public Sector Undertakings.

2. Short title and commencement. -

(1) This Order is titled as 'Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012'.

(2) It shall come into force with effect from 1st April 2012.

3. Mandatory procurement from Micro Small and Enterprises. – (1) Every Central Ministry or Department or Public Sector Undertaking shall set an annual goal of procurement from Micro and Small Enterprises from the financial year 2012-13 and onwards, with the objective of achieving an overall procurement of minimum of 20 per cent, of total annual purchases of products produced and services rendered by Micro and Small Enterprises in a period of three years.

(2)Annual goal of procurement also include sub-contracts to Micro and Small Enterprises by large enterprises and consortia of Micro and Small Enterprises formed by National Small Industries Corporation.

(3)After a period of three years i.e. from 1st April 2015, overall procurement goal of minimum of 20 per cent shall be made mandatory.

(4)The Central Ministries, Departments and Public Sector Undertakings which fail to meet the annual goal shall substantiate with reasons to the Review Committee headed by Secretary (Micro, Small and Medium Enterprises), constituted in Ministry of Micro, Small and Medium Enterprises, under this Policy.

4.Special provisions for Micro and Small Enterprises owned by Scheduled Castes or Scheduled Tribes. — Out of 20 per cent target of annual procurement from Micro and Small Enterprises, a sub-target of 20 per cent (i.e., 4 per cent out of 20 per cent) shall be earmarked for procurement from Micro and Small Enterprises owned by the Scheduled Caste or the Scheduled Tribe entrepreneurs. Provided that, in event of failure of such Micro and Small Enterprises to participate in tender process or meet tender requirements and L1 price, 4 per cent sub-target for procurement earmarked for Micro and Small Enterprises owned by Scheduled Caste or Scheduled Tribe entrepreneurs shall be met from other Micro and Small Enterprises.

5.Reporting of targets in Annual Report. — (1) The data on Government procurements from Micro and Small Enterprises is vital for strengthening the Policy and for this purpose, every Central Ministry or Department or Public Sector Undertaking shall report goals set with respect to procurement to be met from Micro and Small Enterprises and achievement made thereto in their respective Annual Reports.

(2) The annual reporting shall facilitate in better understanding of support being provided by different Ministries or Departments or Public Sector Undertakings to Micro and Small Enterprises.

6. Price quotation in tenders. — (1) In tender, participating Micro and Small Enterprises quoting price within price band of L1+15 per cent shall also be allowed to supply a portion of requirement by bringing down their price to L1 price in a situation where L1 price is from someone other than a Micro and Small Enterprise and such Micro and Small Enterprise shall be allowed to supply up to 20 per cent of total tendered value.

(2) In case of more than one such Micro and Small Enterprise, the supply shall be shared proportionately (to tendered quantity).

7.Developing Micro and Small Enterprise vendors. – The Central Ministries or Departments or Public Sector Undertakings shall take necessary steps to develop appropriate vendors by organizing Vendor Development Programmes or Buyer-Seller Meets and entering into Rate Contract with Micro and Small Enterprises for a specified period in respect of periodic requirements.

8.Annual Plan for Procurement from Micro and Small Enterprises on websites. – The Ministries or Departments or Public Sector Undertakings shall also prepare Annual Procurement Plan for purchases and upload the same on their official website so that Micro and Small Enterprises may get advance information about requirement of procurement agencies.

9.Enhancing participations of Micro and Small Enterprises including those owned by Scheduled Castes or Scheduled Tribes in Government procurements. — For enhancing participation of Scheduled Castes or Scheduled Tribes in Government procurement, the Central Government Ministries, Departments and Public Sector Undertakings shall take following steps, namely:-

(a) Special Vendor Development Programmes or Buyer-Seller Meets shall be conducted by Departments/Public Sector Undertakings for Scheduled Castes or Scheduled Tribes;

(b) Outreach programmes shall be conducted by National Small Industries Corporation to cover more and more Micro and Small Enterprises from Scheduled Castes or Scheduled Tribes under its schemes of consortia formation; and

(c) National Small Industries Corporation shall open a special window for Scheduled Castes or Scheduled Tribes under its Single Point Registration Scheme (SPRS).

10.Reduction in transaction cost. — To reduce transaction cost of doing business, Micro and Small Enterprises shall be facilitated by providing them tender sets free of cost, exempting Micro and Small Enterprises from payment of earnest money, adopting e-procurement to bring in transparency in tendering

process and setting up a Grievance Cell in the Ministry of Micro, Small and Medium Enterprises.

11.Reservation of specific items for procurement. — To enable wider dispersal of enterprises in the country, particularly in rural areas, the Central Government Ministries or Departments or Public Sector Undertakings shall continue to procure 358 items (Appendix) from Micro and Small Enterprises, which have been reserved for exclusive purchase from them. This will help in promotion and growth of Micro and Small Enterprises, including Khadi and village industries, which play a critical role in fostering inclusive growth in the country.

12.Review Committee. – (1) A Review Committee has been constituted under the Chairmanship of Secretary, Ministry of Micro, Small and Medium Enterprises, for monitoring and review of Public Procurement Policy for Micro and Small Enterprises vide Order No. 21(1)/2007-MA dated the 21st June 2010 (Annexure).

(2) This Committee shall, inter alia, review list of 358 items reserved for exclusive purchase from Micro and Small Enterprises on a continuous basis, consider requests of the Central Ministries or Departments or Public Sector Undertakings for exemption from 20 per cent target on a case to case basis and monitor achievements under the Policy.

13.Setting up of Grievance Cell. — In addition, a 'Grievance Cell' will be set up in Ministry of Micro, Small and Medium Enterprises for redressing grievances of Micro and Small Enterprises in Government procurement. This cell shall take up issues related to Government procurement raised by Micro and Small Enterprises with Departments or agencies concerned, including imposition of unreasonable conditions in tenders floated by Government Departments or agencies that put Micro and Small Enterprises at a disadvantage.

14.Special Provisions for Defence Procurements. — Given their unique nature, defence armament imports shall not be included in computing 20 per cent

goal for Ministry of Defence. In addition, defence equipments like weapon systems, missiles, etc. shall remain out of purview of such Policy of reservation.

15.Monitoring of Goals. — The monitoring of goals set under the Policy shall be done, in so far as they relate to the Defence sector, by Ministry of Defence itself in accordance with suitable procedures to be established by them.

16.Removal of difficulty. — Any difficulties experienced during the course of implementation of the above Policy shall be clarified by Ministry of Micro, Small and Medium Enterprises through suitable Press releases which would be kept on the public domain.

(AMARENDRA SINHA)
Additional Secretary and Development Commissioner (MSME)

Annexure

No. 21(1)/2007-MA
Government of India
Ministry of Micro, Small and Medium Enterprises
Office of the Development Commissioner (MSME)
******

'A' Wing, 7th Floor, Nirman Bhavan,
New Delhi-110108
Dated: 21st June, 2010

ORDER

Subject: **Constitution of a Committee for monitoring and review of the Public Procurement Policy for Micro and Small Enterprises**

Pending approval of the new Public Procurement Policy for Micro and Small Enterprises (MSEs), a Committee is hereby constituted for looking into the applicability of some of the provisions of the proposed Policy in respect of select Central Ministries/Departments.. The Committee will be chaired by the Secretary, Ministry of Micro, Small and Medium Enterprises.

2. The composition of the Committee will be as follows:

(i)	Secretary, Ministry of MSME	:	Chairman
(ii)	Secretary, Planning Commission	:	Member
(iv)	Secretary, Department of Public Enterprises	:	Member
(v)	Director General (Supplies and Disposals), Department of Commerce,	:	Member
(vii)	Ministry of Commerce and Industry		
(viii)	Additional Secretary and Development Commissioner (MSME)	:	Member Secretary

3. The Committee will undertake the following functions:

(i) Consider the requests of the Central Ministries/Departments/PSUs for exemption, on a case to case basis, from the 20% target;
(ii) Review the list of 358 items (as per Appendix) reserved for exclusive purchase from the MSEs based on the feedback received from the Central Ministries/Departments/PSUs ;

(iii) Review the grievances received from MSEs regarding Government procurement, including imposition of unreasonable conditions in the tenders floated by the Government Departments/PSUs; and

(iv) Suggest special measures to be taken by the Central Ministries/Departments for enhancing their procurements from MSEs.

4. The Committee may co-opt any other Ministries/Departments of the Central Government as well as State Governments or invite any other expert/person associated/concerned with the MSMEs in its meetings, as and when required.

5. The Office of the Development Commissioner (MSME) will provide secretariat support to this Committee.

6. This issues with the approval of the Competent Authority.

Sd/-
(Praveen Mahto)
Additional Economic Adviser
Ph: 23062230, Fax: 23061611

To,

All Members of the Committee

Copy to:

1. Cabinet Secretariat (Shri V.P.Arora, Under Secretary), w.r.t. their O.M.No. 601/2/1/2009-Cab.III dated 24.02.2010
2. PS to Minister (MSME)
3. Sr. PPS to Secretary (MSME)

Appendix

LIST OF ITEMS RESERVED FOR PURCHASE FROM SMALL SCALE INDUSTRIAL UNITS INCLUDING HANDICRAFT SECTOR.

Sl No.	Item Description
1.	AAC/and ACSR Conductor upto 19 strands
2.	Agricultural Implements (a) Hand Operated tools and implements (b)Animal driven implements
3.	Air/Room Coolers
4.	Aluminum builder's hardware
5.	Ambulance stretcher
6.	Ammeters/ohm meter/Volt meter (Electro magnetic upto Class I accuracy)
7.	Anklets Web Khaki
8.	Augur (Carpenters)
9.	Automobile Head lights Assembly
10.	Badges cloth embroidered and metals
11.	Bags of all types i.e. made of leather, cotton, canvas and jute etc. including kit bags, mail bags, sleeping bags and water-proof bag.
12.	Bandage cloth
13.	Barbed Wire
14.	Basket cane (Procurement can also be made from State Forest Corpn. and State Handicrafts Corporation)
15.	Bath tubs
16.	Battery Charger
17.	Battery Eliminator
18.	Beam Scales (upto 1.5 tons)
19.	Belt leather and straps
20.	Bench Vices
21.	Bituminous Paints
22.	Blotting Paper
23.	Bolts and Nuts
24.	Bolts Sliding
25.	Bone Meal
26.	Boot Polish
27.	Boots and Shoes of all types including canvas shoes
28.	Bowls
29.	Boxes Leather
30.	Boxes made of metal
31.	Braces
32.	Brackets other than those used in Railways
33.	Brass Wire
34.	Brief Cases (other than moulded luggage)

35. Brooms
36. Brushes of all types
37. Buckets of all types
38. Button of all types
39. Candle Wax Carriage
40. Cane Valves/stock valves (for water fittings only)
41. Cans metallic (for milk and measuring)
42. Canvas Products :
    (a) Water Proof Deliver, Bags to spec. No. IS - 1422/70
    (b) Bonnet Covers and Radiators Muff. to spec. Drg. Lv 7/NSN/IA/130295
43. Capes Cotton and Woollen
44. Capes Waterproof
45. Castor Oil
46. Ceiling roses upto 15 amps
47. Centrifugal steel plate blowers
48. Centrifugal Pumps suction and delivery 150 mm. x 150 mm
49. Chaff Cutter Blade
50. Chains lashing
51. Chappals and sandals
52. Chamois Leather
53. Chokes for light fitting
54. Chrome Tanned leather (Semi-finished Buffalo and Cow)
55. Circlips
56. Claw Bars and Wires
57. Cleaning Powder
58. Clinical Thermometers
59. Cloth Covers
60. Cloth Jaconet
61. Cloth Sponge
62. Coir fibre and Coir yarn
63. Coir mattress cushions and matting
64. Coir Rope hawserlaid
65. Community Radio Receivers
66. Conduit pipes
67. Copper nail
68. Copper Napthenate
69. Copper sulphate
70. Cord Twine Maker
71. Cordage Others
72. Corrugated Paper Board and Boxes
73. Cotton Absorbent
74. Cotton Belts
75. Cotton Carriers
76. Cotton Cases
77. Cotton Cord Twine

78. Cotton Hosiery
79. Cotton Packs
80. Cotton Pouches
81. Cotton Ropes
82. Cotton Singlets
83. Cotton Sling
84. Cotton Straps
85. Cotton tapes and laces
86. Cotton Wool (Non absorbent)
87. Crates Wooden and plastic
88. (a) Crucibles upto No. 200
    (b) Crucibles Graphite upto No. 500
    (c) Other Crucibles upto 30 kgs.
89. Cumblies and blankets
90. Curtains mosquito
91. Cutters
92. Dibutyl phthalate
93. Diesel engines upto 15 H.P
94. Dimethyl Phthalate
95. Disinfectant Fluids
96. Distribution Board upto 15 amps
97. Domestic Electric appliances as per BIS Specifications:-
    - Toaster Electric, Elect. Iron, Hot Plates, Elect. Mixer, Grinders, Room heaters and convectors and ovens
98. Domestic (House Wiring) P.V.C. Cables and Wires (Aluminum) Conforming to the prescribed BIS Specifications and upto 10.00 mm sq. nominal cross section
99. Drawing and Mathematical Instruments
100. Drums and Barrels
101. Dust Bins
102. Dust Shield leather
103. Dusters Cotton all types except the items required in Khadi
104. Dyes :
    (a) Azo Dyes (Direct and Acid)
    (b) Basic Dyes
105. Electric Call bells/buzzers/door bells
106. Electric Soldering Iron
107. Electric Transmission Line Hardware items like steel cross bars, cross arms clamps arching horn, brackets, etc
108. Electronic door bell
109. Emergency Light (Rechargeable type)
110. Enamel Wares and Enamel Utensils
111. Equipment camouflage Bamboo support
112. Exhaust Muffler
113. Expanded Metal
114. Eyelets

115. Film Polythene - including wide width film
116. Film spools and cans
117. Fire Extinguishers (wall type)
118. Foot Powder
119. French polish
120. Funnels
121. Fuse Cut outs
122. Fuse Unit
123. Garments (excluding supply from Indian Ordnance Factories)
124. Gas mantels
125. Gauze cloth
126. Gauze surgical all types
127. Ghamellas (Tasllas)
128. Glass Ampules
129. Glass and Pressed Wares
130. Glue
131. Grease Nipples and Grease guns
132. Gun cases
133. Gun Metal Bushes
134. Gumtape
135. Hand drawn carts of all types
136. Hand gloves of all types
137. Hand Lamps Railways
138. Hand numbering machine
139. Hand pounded Rice (polished and unpolished)
140. Hand presses
141. Hand Pump
142. Hand Tools of all types
143. Handles wooden and bamboo (Procurement can also be made from State Forest Corpn. and State Handicrafts Corporation)
144. Harness Leather
145. Hasps and Staples
146. Haver Sacks
147. Helmet Non-Metallic
148. Hide and country leather of all types
149. Hinges
150. Hob nails
151. Holdall
152. Honey
153. Horse and Mule Shoes
154. Hydraulic Jacks below 30 ton capacity
155. Insecticides Dust and Sprayers (Manual only)
156. Invalid wheeled chairs.
157. Invertor domestic type upto 5 KVA
158. Iron (dhobi)
159. Key board wooden

160. Kit Boxes
161. Kodali
162. Lace leather
163. Lamp holders
164. Lamp signal
165. Lanterns Posts and bodies
166. Lanyard
167. Latex foam sponge
168. Lathies
169. Letter Boxes
170. Lighting Arresters - upto 22 kv
171. Link Clip
172. Linseed Oil
173. Lint Plain
174. Lockers
175. Lubricators
176. L.T. Porcelain KITKAT and Fuse Grips
177. Machine Screws
178. Magnesium Sulphate
179. Mallet Wooden
180. Manhole covers
181. Measuring Tapes and Sticks
182. Metal clad switches (upto 30 Amps)
183. Metal Polish
184. Metallic containers and drums other than N.E.C. (Not elsewhere classified)
185. Metric weights
186. Microscope for normal medical use
187. Miniature bulbs (for torches only)
188. M.S. Tie Bars
189. Nail Cutters
190. Naphthalene Balls
191. Newar
192. Nickel Sulphate
193. Nylon Stocking
194. Nylon Tapes and Laces
195. Oil Bound Distemper
196. Oil Stoves (Wick stoves only)
197. Pad locks of all types
198. Paint remover
199. Palma Rosa Oil
200. Palmgur
201. Pans Lavatory Flush
202. Paper conversion products- paper bags, envelops, Ice-cream cup, paper cup and saucers and paper Plates
203. Paper Tapes (Gummed)

204. Pappads
205. Pickles and Chutney
206. Piles fabric
207. Pillows
208. Plaster of Paris
209. Plastic Blow Moulded Containers upto 20 litre excluding Poly Ethylene Terphthalate (PET) Containers
210. Plastic cane
211. Playing Cards
212. Plugs and Sockets electric upto 15 Amp
213. Polythene bags
214. Polythene Pipes
215. Post Picket (Wooden)
216. Postal Lead seals
217. Potassium Nitrate
218. Pouches
219. Pressure Die Casting upto 0.75 kg
220. Privy Pans
221. Pulley Wire
222. PVC footwears
223. PVC pipes upto 110 mm
224. PVC Insulated Aluminium Cables (upto 120 sq. mm) (ISS:694)
225. Quilts, Razais
226. Rags
227. Railway Carriage light fittings
228. Rakes Ballast
229. Razors
230. RCC Pipes upto 1200 mm. dia
231. RCC Poles Prestressed
232. Rivets of all types
233. Rolling Shutters
234. Roof light Fittings
235. Rubber Balloons
236. Rubber Cord
237. Rubber Hoses (Unbranded)
238. Rubber Tubing (Excluding braided tubing)
239. Rubberised Garments Cap and Caps etc
240. Rust/Scale Removing composition
241. Safe meat and milk
242. Safety matches
243. Safety Pins (and other similar products like paper pins, staples pins etc.)
244. Sanitary Plumbing fittings
245. Sanitary Towels
246. Scientific Laboratory glass wares (Barring sophisticated items)
247. Scissors cutting (ordinary)

248. Screws of all types including High Tensile
249. Sheep skin all types
250. Shellac
251. Shoe laces
252. Shovels
253. Sign Boards painted
254. Silk ribbon
255. Silk Webbing
256. Skiboots and shoes
257. Sluice Valves
258. Snapfastner (Excluding 4 pcs. ones)
259. Soap Carbolic
260. Soap Curd
261. Soap Liquid
262. Soap Soft
263. Soap washing or laundary soap
264. Soap Yellow
265. Socket/pipes
266. Sodium Nitrate
267. Sodium Silicate
268. Sole leather
269. Spectacle frames
270. Spiked boot
271. Sports shoes made out of leather (for all Sports games)
272. Squirrel Cage Induction Motors upto and including 100 KW440 volts 3 phase
273. Stapling machine
274. Steel Almirah
275. Steel beds stead
276. Steel Chair
277. Steel desks
278. Steel racks/shelf
279. Steel stools
280. Steel trunks
281. Steel wool
282. Steel and aluminium windows and ventilators
283. Stockinet
284. Stone and stone quarry rollers
285. Stoneware jars
286. Stranded Wire
287. Street light fittings
288. Student Microscope
289. Studs (excluding high tensile)
290. Surgical Gloves (Except Plastic)
291. Table knives (Excluding Cutlery)
292. Tack Metallic

293. Taps
294. Tarpaulins
295. Teak fabricated round blocks
296. Tent Poles
297. Tentage Civil/Military and Salitah Jute for Tentage
298. Textiles manufactures other than N.E.C. (not elsewhere classified)
299. Tiles
300. Tin Boxes for postage stamp
301. Tin can unprinted upto 4 gallons capacity (other than can O.T.S.)
302. Tin Mess
303. Tip Boots
304. Toggle Switches
305. Toilet Rolls
306. Transformer type welding sets conforming to IS:1291/75 (upto 600 amps)
307. Transistor Radio upto 3 band
308. Transistorised Insulation - Testers
309. Trays
310. Trays for postal use
311. Trolley
312. Trollies - drinking water
313. Tubular Poles
314. Tyres and Tubes (Cycles)
315. Umbrellas
316. Utensils all types
317. Valves Metallic
318. Varnish Black Japan
319. Voltage Stablisers including C.V.T's
320. Washers all types
321. Water Proof Covers
322. Water Proof paper
323. Water tanks upto 15,000 litres capacity
324. Wax sealing
325. Waxed paper
326. Weighing Scale
327. Welded Wire mash
328. Wheel barrows
329. Whistle
330. Wicks cotton
331. Wing Shield Wipers (Arms and Blades only)
332. Wire brushes and Fibre Brushes
333. Wire Fencing and Fittings
334. Wire nails and Horse shoe nails
335. Wire nettings of gauze thicker than 100 mesh size
336. Wood Wool
337. Wooden ammunition boxes

338. Wooden Boards
339. Wooden Box for Stamps
340. Wooden Boxes and Cases N.E.C. (Not elsewhere classified)
341. Wooden Chairs
342. Wooden Flush Door Shutters
343. Wooden packing cases all sizes
344. Wooden pins
345. Wooden plugs
346. Wooden shelves
347. Wooden veneers
348. Woolen hosiery
349. Zinc Sulphate
350. Zip Fasteners

HANDICRAFT ITEMS

Sl.No.	Item Description	Source of Supply
351	Cane furniture Handlooms	North Eastern Handicrafts and Development Corporation Assam Govt. Marketing Corpn. Craft Society of Manipur Nagaland Handicrafts and Handlooms Development Corpn.
352.	Bamboo file tray, Baskets, Pencil stand, side racks etc.	-do-
353.	Artistic Wooden Furniture	Rajasthan Small Industries Corpn., U.P. Export Corporation.
354.	Wooden paper weight, racks etc.	-do-
355.	Glass covers made of wood and grass jute	-do-
356.	Jute furniture	West Bengal Handicrafts Dev. Corpn. Jute Mfg. Development Corporation Orissa State Handicrafts Dev. Corpn.
357.	Jute bags, file cover	-do-
358.	Woolen and silk carpets	U.P. Export Corporation J and K Sale and Export Corporation

***

MA.TEC.POL.CON.3A 26th October 2020

Note to: SBU / Entity Heads

Relaxation in Past Track Record for Micro & Small Enterprises

The Government has been granting various relaxations to Micro & Small Enterprises (MSEs) and Startup vendors in public procurement from time to time. Accordingly, the relaxation norms for startups were communicated vide note MA.TEC.POL.CON.3A dated 30th July 2018. In line with the directions from MoP&NG as per the study carried out on "Enhancing efficiency and transparency in procurement of Oil PSUs", it has been decided to provide relaxations in past track record even to MSEs who are not startups in order to enhance the participation of MSEs.

In view of this, it is proposed to relax the past experience criteria to the extent of 15% for MSEs. For example, if the similar works specified in Bidder Qualification Criteria are 80%/50%/40% of estimated cost for 1/2/3 similar works respectively, then for MSE bidders the same would be 68%/42.5%/34% for 1/2/3 similar works respectively.

Similarly, there shall be a relaxation to the extent of 15% in the average annual financial turnover during the previous three financial years for MSEs subject to maintaining a minimum threshold of 30%. For example, if the average annual financial turnover is specified as 60%, then the same would be 51% for MSEs. However, if the average annual financial turnover is specified as 30%, there shall not be any relaxation in this limit for MSEs.

It is reiterated that the above relaxations would be subject to the MSEs meeting the quality, safety, performance and technical specifications. The relaxation criteria shall only be applicable for procurement of goods produced and services rendered by MSEs, and shall not be applicable for works contracts. It should also be ensured that the vendor has a valid MSE certificate as per the laid down policy. These relaxations, if applicable, shall be suitably incorporated in the tender documents.

All other provisions as per MSE policy shall continue to be complied with.

V S Chadha

V.S. Chadha
CGM (Corporate Finance)

cc: SBU / Entity Finance Heads

Ref: TEC:POL:CON 1st August 2017

Note To: All SBU/ Entity Heads, SBU/Entity Finance Heads

Subject: Clarification regarding award of job to MSE Vendor in case tendered item is non-divisible: Works Contracts

This refers to our note of even reference dated 9th June 2016 (copy enclosed as Annexure - I) on the above subject.

We had sought clarifications from MSME Ministry on the applicability of Public Procurement Policy for Micro and Small Enterprises (MSEs) to Works Contracts. They have clarified vide their letter reference F.No.21(6)/2015-MA dated 10th April 17 quoting their earlier letter reference F.No.21(8)/2011-MA dated 9th November16 whereby the definition of Goods and Services applicable under PP Policy has been summarized as follows :

Quote:

"Goods" include all articles, material, commodity, livestock, furniture, fixtures, raw material, spare parts, instruments, machinery, equipment, industrial plant, vehicles, aircrafts, ships, railways rolling stock assemblies, sub-assemblies, accessories, a group of machines comprising an integrated production process or such other categories of goods or intangible products like technology transfer, licenses, patents or other intellectual properties(but excludes books, publications, periodicals etc for a library), procured or otherwise acquired by a procuring entity. Procurement of goods may include certain small work or some services, which are incidental or consequential to the supply of such goods, such as transportation, insurance, installation, commissioning, training and maintenance;
"Service" means any subject matter of procurement other than goods or works, except those incidental or consequential to the service, and includes physical, maintenance, professional, intellectual, training, consultancy and advisory services or any other service classified or declared as such by procuring entity but does not include appointment of an individual made under any law, rules, regulations or order issued in this behalf. "Subject matter of procurement" means any item of procurement whether in the form of goods, services or works or a combination thereof;

Unquote:

In view of the above, our circular reference TEC:POL:CON dated 9th June 2016 is applicable for tenders pertaining to "non-divisible Goods" and "non-divisible Services" only. This will not be applicable for tenders pertaining to "Works Contracts". Therefore, the Purchase Preference clause for MSEs as mentioned in the tender conditions should be accordingly removed for tenders pertaining to "Works Contracts". However, in order to promote the spirit of the Policy, EMD exemption will be applicable to MSE vendors participating in the tenders involving works contracts as per the Industry practice.

Needless to mention that as per FAQ no: 18 of Public Procurement Policy for MSEs Order 2012 dated 24.10.2016, Public Procurement Policy is applicable to procurement of Goods produced and Services rendered by MSEs. Works/trading activities are excluded from the purview of the Public Procurement Policy.

Please be guided accordingly.

Bakshi 1/8/17.

(Rajiv Bakshi)
ED (Corporate Finance)

CC : CPO(M) : This also refers to the clarification given during your meeting with Jt. Secretary MSME, Director MSME & Dy. Director-MSME on 21.03.2017 on the applicability of PP Policy for MSEs to Works Contracts.

→ CLO(M) Dir(M) R-2/1/2020

विकास आयुक्त का कार्यालय
(सूक्ष्म, लघु एवं मध्यम उद्यम)
सूक्ष्म, लघु एवं मध्यम उद्यम मंत्रालय
(भारत सरकार)
निर्माण भवन, मौलाना आजाद रोड,
नई दिल्ली-110 108

सत्यमेव जयते

OFFICE OF THE DEVELOPMENT COMMISSONER
(MICRO, SMALL & MEDIUM ENTERPRISES)
MINISTRY OF MICRO, SMALL & MEDIUM ENTERPRISES
GOVERNMENT OF INDIA
Nirman Bhawan, 7th Floor, Maulana Azad Road,
New Delhi-110 108

Ph. EPAX-23063800, 23063802, 23063803, 23063804, 23063805 & 23063806

No. 5/1(1)/2019-P&G/ Policy
(P-14360)

Dated: 13 .12.2019

p.s.A → To be sent to Agra Post

R-2/1

To

Bharat Petroleum Corporation Limited (BPCL)
Bharat Bhavan,
4 and 6 Currimbhoy Road,
Ballard Estate,
Mumbai

Subject: Verification of MSE certificate-reg.

Sir,

Kindly refer to this office letter no. 5/1(1)/2019-P&G/ Policy dated 06.12.2019 on the above cited subject. It is further clarified that for verification of the MSME certificate obtained by the MSMEs on the UAM portal, the CA certificate issued by Chartered Accountants based on the provisions of the MSMED Act, 2006 and notifications/ circulars issued from time to time may also be accepted as a supporting document.

2. This issue with the approval of Competent Authority.

Yours faithfully,

AP 13.12.19

(A.K. Tamaria)
Dy. Director (Policy)
Ph.:01123061163

Copy to:

Shri C.R.Ruparel,
M/s Bharat Transport Company,
Pune

विकास आयुक्त का कार्यालय
(सूक्ष्म, लघु एवं मध्यम उद्यम)
सूक्ष्म, लघु एवं मध्यम उद्यम मंत्रालय
(भारत सरकार)
निर्माण भवन, मौलाना आज़ाद रोड,
नई दिल्ली-110 108

सत्यमेव जयते

Speed Post
OFFICE OF THE DEVELOPMENT COMMISSONER
(MICRO, SMALL & MEDIUM ENTERPRISES)
MINISTRY OF MICRO, SMALL & MEDIUM ENTERPRISES
GOVERNMENT OF INDIA
Nirman Bhawan, 7th Floor, Maulana Azad Road,
New Delhi-110 108

Ph. EPAX-23063800, 23063802, 23063803, 23063804, 23063805 & 23063806

No. 5/1(1)/2019-P&G/ Policy
(P-14360)

Dated: 6 .12.2019

To

Bharat Petroleum Corporation Limited (BPCL)
Bharat Bhavan,
4 and 6 Currimbhoy Road,
Ballard Estate,
Mumbai

Subject: Verification of MSE certificate-reg.

11. The UAM of M/s Bharat Transport Co. bearing no. MH26E0047885, as mentioned are available on our portal https://udyogaadhaar.gov.in/UA/UA_VerifyUAM_Details.aspx

12. This registration on the UAM portal is done by firms on the basis of self-declaration. M/o MSME does not carry out verification of the information uploaded by the MSMEs.

13. The copy of the returns filed along with a certificate issued by Chartered Accountant have been submitted by M/s Bharat Transport Co. to this office, asking for a certificate from the Ministry submitting that your concern has asked for such a certificate.

14. This Ministry does not undertake any such verification exercise and, as already mentioned above, the registration is obtained on the basis of self-declaration. It is incumbent on the CPSEs concerned to verify/ ascertain the veracity of the claim of any MSME as regards any particular enterprise satisfying the criterion of the investment limits as mentioned in the MSMED Act, 2006 before giving benefits under Public Procurement Policy, etc.

15. This issues with the approval of Competent Authority.

Yours faithfully,

6.12.19

(A.K. Tamaria)
Dy. Director (Policy)
Ph.:01123061163

Copy to:

Shri C.R.Ruparel,
M/s Bharat Transport Company,
Pune

O/C 6/12

Ref : MA.TEC.POL.CON3A **27th November 2017**

Note To: All SBU /Entity Heads

Subject: Verification of original documents required for Bid Qualification Criteria in Open Tenders

In the annual sectorial review meeting with CMDs and CVOs of Petroleum sector at CVC New Delhi, CVC pointed out that submission of fake certificates were unearthed in one of the PSUs after the award of job and reiterated the need for validating the genuineness of certificates at the time of awarding the tenders to mitigate the problems being faced later on. CVC has advised that "Certificates of at least those vendors who have qualified should be verified before awarding of contract. Linking of payment to genuineness of certificates to be looked into". Vigilance department has also reiterated the need for issuance of suitable instructions in this regard.

In order to meet the requirement of validating the genuineness of various certificates/documents at the time of awarding the Open tenders to mitigate the problems being faced later on, the original BQC related documents of the vendors shortlisted for award shall be mandatorily verified by BPCL procurement office or by the consultant (in case of PMC) or by empanelled TPIA.

The verification may also cover confirmation regarding other items like issue of PO / Contracts, completion certificates which can be obtained directly from the issuing Company/Agency on their letter head, authenticity of email confirmation etc. However, this is only an indicative list.

Kindly issue suitable instructions to all concerned procurement / tendering groups for compliance.

Rajiv Bakshi
ED (Corporate Finance)

CC : All SBU / Entity Finance Heads

Date:_____

CERTIFCATE CONFIRMING ELIGIBILTY FOR BENEFITS OF PUBLIC PROCUREMENT POLICY AS MSMED ACT 2006

Ref: Tender No……. for……

This is to confirm that we have verified the investment limits and other details of Unit _____ pertaining to *M/s*_____and certify that they satisfy the eligibility criteria as per MSMED Act, 2006 and other notifications/circulars issued time to time in this regard. Accordingly, M/s_____is a Micro/Small enterprise under the said Act and are eligible to claim the benefits of public procurement policy as per MSMED Act 2006 for the tender mentioned above.

In case applicable:

Based on our verification of share holding pattern and other details, it is certified that M/s _____ meets the eligibility criteria under SC/ST provision of Public Procurement Policy Order 2012 and other notifications/circulars issued time to time in this regard and are hence eligible to claim benefits pertaining to SC/ST under the act.

In case applicable:

Based on our verification of share holding pattern and other details, it is certified that *M/s* _____ meets the eligibility criteria under Women Entrepreneur provision of Public Procurement Policy Order 2012 and other notifications/circulars issued time to time in this regard and are hence eligible to claim benefits pertaining to Women Entrepreneur under the act.

BIDDING FORMS

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FORM NO.	DESCRIPTION
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D	BANK MANDATE FORM
E	FORMAT FOR BIDDERS" QUERIES
J	Declaration for holiday listing orders in line ITB APPENDIX V [POLICY OF HOLIDAY LISTING OF VENDORS IN BPCL]
G	SELF DECLARATION
H	INTEGRITY PACT
M	PROFORMA OF BANK GUARANTEE FOR EARNEST MONEY DEPOSIT
N	TAX RESIDENCY CERTIFICATE & FORM 10F

(FORM – A)

BIDDER'S GENERAL INFORMATION

(OTHER DETAILS)

To,

BPCL

S.No.	DESCRIPTION	BIDDER'S REPLY
1.1	Legal Name of the Bidder(Company)	
1.2	Date of Business (Company) Establishment	Day Month Year
1.3	Country of registration and Registration Number:	
1.4	Address of Registered Office	_____ _____ City :_____ District :_____ State :_____ PIN/ZIP:_____
1.5	Operation/Working Address if different from above:	_____ _____ City :_____ District :_____ State :_____ PIN/ZIP:_____ GSTIN no. of Dispatch Point _____
1.6	Bidder's address where order/contract is to be placed *	_____ _____ City :_____ District :_____ State :_____ PIN/ZIP:_____

1.7	Invoicing place and State	_____ _____ City :_____ District :_____ State :_____ PIN/ZIP:_____ GSTIN no. of invoicing place _____
1.8	Name & Mobile no. of Concerned person(s)	
1.9	E-mail address of Concerned person(s):	
1.10	Internet Website (If applicable)	
2.0	**GENERAL**	
2.1	Income Tax PAN No. (In India) of the firm.	
2.2	**Whether Registered as MSE bidder or not.**	**Yes / No (Tick whichever is applicable)**
2.3	a) Detail of MSE Registration & MSE Registration No.	
	b) In case owner of Bidder's organisation belongs to SC/ST, then Bidder to submit requisite documents as specified in the Enquiry. c) In case owner of Bidder's organisation belongs to Women category then Bidder to submit requisite documents. d) MSME bidders registered under Trade Receivable e- Discounting System (TReDS) shall furnish details of registration with registration No. & date.	(Tick whichever is applicable) Submitted / Not Applicable Submitted / Not Applicable Registration No. ……. Dated …… / Not Applicable
2.4	GST Registration No. of the firm.	
3.0	**Change of Ownership:** has there been any major change of Ownership of the establishment over the past five (5) years. If so, kindly provide details and if not, please affirm by "NONE".	
4.0	GeM Registration details (Applicable for enquiries not issued through GeM portal)	

FORM-B

ATC

SUPPLIER'S SIGNATURE WITH STAMP/SEAL

COMPLIANCE TO BID REQUIREMENT

(TO BE SUBMITTED ON THE LETTER HEAD OF BIDDER)

TITLE OF ITEM:
BIDDING DOCUMENT NO.

We …… *(*)* hereby agree to fully comply with, abide by and accept without variation, deviation or reservation all technical, commercial and other conditions of the Bidding Document and its Technical & Commercial Amendments.

We further hereby waive, withdraw and abandon any and all assumptions, deviations, variations, objections or reservations whatsoever hereto set out, given or indicated in our offer, clarifications, correspondence, communications, or otherwise with a view that the price bid and price implication (if any) submitted may be treated to conform to, in all respects, with the terms and conditions of the said Bidding Document including all Technical and Commercial Amendments.

** For and on behalf of

Authorized signatory Date:

*Here fill in the name of bidder.

or

EXCEPTIONS AND DEVIATIONS STATEMENT FORMAT

Sl. NO.	BIDDING DOCUMENT REFERENCE		SUBJECT	DEVIATIONS
	PAGE NO.	CLAUSE NO.		

NOTE :

1. Bidder is required to comply with the requirements of the Bidding Document, and not to stipulate any exceptions or deviations. In case it is unavoidable, Bidder may stipulate exceptions to requirements of Bidding Document in the above format only.

2. All exceptions and deviations taken by Bidder to the stipulations of the Bidding Document shall be indicated at one location in a separate section titled “Exceptions and Deviations” in the techno-commercial unpriced part of the Bid as per the above format only and not in the Bidding Document or in the Price Bid .
3. Any exceptions or deviations indicated elsewhere in the Bid and / or in other format shall not be taken cognizance of and Bid of the Bidder shall be deemed considered without having any such deviations taken by the Bidder.

SIGNATURE & STAMP OF BIDDER:

NAME OF BIDDER

FORM C-1

AGREED TERMS & CONDITIONS (ATC)

(FOR INDIAN BIDDERS)

BINA PETCHEM AND REFINERY EXPANSION PROJECTS (BPREP)
OF
BHARAT PETROLEUM CORPORATION LIMITED (BPCL), BINA REFINERY

AGREED TERMS & CONDITIONS (ATC) (FOR INDIAN BIDDERS / INDIAN SOURCED COMPONENTS BY FOREIGN BIDDERS)

Name of Bidding Entity : M/s _____

RFQ No.: _____

Bidder's Offer Ref No.: _____dated_____

Tel. No. _____Mob. No. _____Fax No. _____

Contact Person: _____E-mail _____

(*use capital letters only*)

1. All correspondence must be in **English** language only.
2. This is a pre-filled "questionnaire" and Bidder to accept and submit it online, duly signed and stamped on each page, as a token of their acceptance of all commercial terms and conditions.
3. All commercial terms / compliance / salient details are given /confirmed in this questionnaire and Bidding Forms itself and not elsewhere in the Offer. In case of contradiction, the confirmation given herein and in Bidding Forms by the Bidder shall prevail over the declaration/ statement/ confirmation given in other places by the Bidder. Bidder to note that the terms and conditions mentioned elsewhere in their offer or Bidder's own terms and conditions shall not be given cognizance of.
4. **Failure on the part of the Bidder in submitting this duly pre-filled "questionnaire" online with the Un-priced bid and/or submitting incomplete replies may lead to rejection of Bidder's Offer.**
5. Bidder's offer shall be in total compliance with RFQ documents containing commercial and technical specifications including general/ technical notes and scope of supply/work including documentation as per material requisition (MR) and subsequent technical/ commercial amendment, if any, and technical/commercial corrigendum, if any, without any deviation, otherwise such offer shall be liable for rejection.

SL. NO.	DESCRIPTION	SUPPLIER'S CONFIRMATION
1.	**Price :** Bidder confirms that quoted prices are strictly as per Price Schedule format of the Enquiry Document.	*Confirmed*
2	**Insurance:** a) **Supply** Transit/ Marine insurance shall be excluded from the supplier's scope and the same shall be arranged by the owner. b) **Site Work** For purchases involving site work, the comprehensive insurance (Transit / Marine cum – erection till handing over of equipment) has been taken care by the owner. However, site related insurance related to seller, including tools / tackles, equipment, workmen compensation, ES / PF etc. to be included in the seller quoted prices. (For details refer SPC)	Confirmed *Confirmed*

SL. NO.	DESCRIPTION	SUPPLIER'S CONFIRMATION
3.	Confirm documentation charges as per MR are included in quoted prices.	*Confirmed*
4.	Confirm that priced copy of : i. Supply of Mandatory spares as per Mandatory spare parts list in MR, if sought separately in MR / Price Schedule. ii. Two years O & M, if applicable iii. Details w.r.t. Import Content, if applicable iv. Overtime rate of supervision, if applicable v. Unit rate for addition / deletion , if applicable as per Price schedule format has been uploaded in Financial bid/folder on etender Portal	*i. Confirmed* *ii. Confirmed* *iii. Confirmed* *iv. Confirmed* *v. Confirmed*
5.	**Price Reduction for delay in delivery/ completion:** a) Confirm acceptance of price reduction schedule for delay in deliveries / completion as specified in GPC enclosed in RFQ Document. b) In case of delay, vendor will reduce the invoice amount by applicable reduction. c) The supplier shall submit credit note/adjustment in GST invoice for PRS, if applicable on account of delay in delivery. This is with respect to cases wherein supplier has not considered the applicable PRS in GST invoice.	*Confirmed* *Confirmed* *Confirmed*
6.	**Delivery / Completion Period:** a) Confirm acceptance to delivery/completion period as stipulated in the RFQ/ IFB /Amendment (as applicable).	*Confirmed*
7.	**Payment Terms:** Confirm acceptance of payment terms as specified in Bid Data Sheet (BDS) / Special Purchase Conditions (SPC).	*Confirmed*
8.	**Part order:** a) Confirm acceptance of Part Order clause as per RFQ Document. (if applicable as per RFQ). b) Items may be split (wherever applicable) to meet the Public Procurement Policy, 2012 for MSEs or Public Procurement (Preference to Make in India) (PPP-MII). Confirm acceptance. c) Any charges quoted extra as lumpsum shall be applicable prorata on value basis in the event of part order.	*Confirmed*
9.	**Repeat Order:** Confirm Acceptance of Repeat Order clause as per RFQ Document. (Refer BDS for applicability)	*Confirmed*

SL. NO.	DESCRIPTION	SUPPLIER'S CONFIRMATION
10.	**Performance Bank Guarantee:** a) Confirm submission of the Performance Bank Guarantee, in line with provisions of Enquiry Document. b) The Performance Bank Guarantee shall be strictly as per proforma enclosed in Enquiry document and shall be from Banks allowed as per Enquiry Document and shall be submitted within 15 days from date of LOA / PO.	*Confirmed* *Confirmed*
11.	**Guarantee / Warranty:** Confirm acceptance to Guarantee / Warranty clause as mentioned in the GPC/BDS.	*Confirmed*
12.	**Firmness of prices:** Confirm quoted prices shall remain firm and fixed till complete execution of order. Price Variation shall not be considered on any account (except in case specifically permissible as per bidding document).	*Confirmed*
13.	**Testing and Inspection charges:** a) Inspection of Indigenous items shall be done by Engineers India Limited (EIL) and charges towards the same have NOT been included in the quoted price. b) In the case bidder sourcing materials from abroad, the bidder shall arrange inspection through Third Party Inspection agency (as per Sl. No. 7.2 of GPC) in the country of origin & charges of the same shall be included in quoted prices and no additional charges shall be paid by Owner. c) Quoted prices are inclusive of all testing charges (if applicable) as per MR. d) Quoted prices are inclusive of all statutory certification charges PESO etc. (if applicable) as required in the Material Requisition	*Confirmed* *Confirmed* *Confirmed* *Confirmed*
14.	Import content in the offer **(Tick one whichever is applicable).** **(In case no option is selected, Import content shall be considered to be not applicable)** a) Quoted prices are after considering the benefit of Input Credit on IGST Portion	☐ APPLICABLE ☐ NOT APPLICABLE a) Confirmed
15.	**Validity of Bid:** Confirm Bid validity as stipulated in RFQ/ BDS covering letter from the date of opening of unpriced bid.	*Confirmed*
16.	a) **Compliance to RFQ documents (For Category-I items, refer BDS for applicability):** Confirm your offer is in total compliance with RFQ Document containing technical specifications including General / Technical notes, scope of supply/ services/ site work (as applicable) including documentation as per Material Requisition (MR) and subsequent amendment and corrigendum, if any, without any deviation.	*Confirmed*

SL. NO.	DESCRIPTION	SUPPLIER'S CONFIRMATION
	b) Confirm your offer is in total compliance with RFQ documentation containing commercial terms and conditions as per the following documents, without any deviation: i) Request for Quotation (RFQ) / Invitation for Bids (IFB) ii) Instructions to Bidders (ITB) iii) Bid Data Sheet (BDS) & Bidding Forms iv) Special Purchase Conditions (SPC) v) General Purchase Conditions (GPC) vi) Terms & Conditions of Site work / GCC / HSE vii) Integrity Pact. viii) Terms & Conditions for Supervision services/ Training/ Hazop/ AMC/ PWCAMC/ PGTR/ 3-D Modeling etc (as applicable to MR) ix) Packing, Marking & Shipping requirement. x) Commercial / Technical Amendments, if any xi) Any other document enclosed with Enquiry Document.	i) Confirmed ii) Confirmed iii) Confirmed iv) Confirmed v) Confirmed vi) Confirmed (if applicable) vii) Confirmed (if applicable) viii) Confirmed (if applicable) ix) Confirmed x) Confirmed (if applicable) xi) Confirmed
17.	**<u>For Stockist / Traders :</u>** Quoted items shall be supplied from EIL enlisted manufacturer/ mill as per their enlistment with EIL. (*Above clause is not applicable for Enquiries issued on open NIT basis)*	*Confirmed*
18.	Bidder to quote as per the requirements and terms and conditions of the RFQ Document including all the enclosures and not to stipulate deviations/ exceptions. Once quoted, the Bidder shall not make any subsequent price changes, whether resulting or arising out of any technical/ commercial clarifications and details sought on any deviations, exceptions or stipulations mentioned in the Bidder's offer unless any amendment to RFQ Document is issued by OWNER/ EIL seeking price implication. Similarly, no revision in quoted price shall be allowed should the deviations stipulated by Bidder are not accepted by OWNER/EIL and are required to be withdrawn by Bidder in favor of meeting the requirements and complying to the terms and conditions of the RFQ Document. Any unsolicited proposed price change by the Bidder is likely to render the Bidder's offer liable for rejection. Confirm compliance.	*Confirmed*
19.	Printed terms and conditions, if any, appearing in quotation, shall not be applicable in the event of order. In case of contradiction between the confirmations given above and terms & conditions mentioned elsewhere in the offer, the confirmation given/confirmed herein above shall prevail.	*Confirmed*

BIDDER'S NAME:

SIGNATURE & SEAL:

ANNEXURE-I to ATC (Indigenous)

BINA PETCHEM AND REFINERY EXPANSION PROJECTS (BPREP)
OF
BHARAT PETROLEUM CORPORATION LIMITED (BPCL), BINA REFINERY

INPUTS BY INDIAN BIDDERS

NAME OF BIDDER: _____

SUPPLIER OFFER REF. _____Dated _____

RFQ NO.: _____

The salient features of the offer are as below:

1. Specify Despatch point 2. GSTIN no. of Despatch point	_____ _____
3. Specify Invoicing place and State 4. GSTIN no. of invoicing place	_____ _____
5. HSN Code	_____
6. If the Supplier is currently unregistered due to turnover below threshold, undertaking/ letter stating reason for non-obtaining registration *	YES ( ) / NO ( )
7. In case the Supplier is located in SEZ, declaration/ undertaking/ certificate shall be provided *	YES ( ) / NO ( )
*-(√) whichever is applicable	

BIDDER'S NAME:

SIGNATURE & SEAL:

FORM C-2

AGREED TERMS & CONDITIONS (ATC)

(FOR FOREIGN BIDDERS)

BINA PETCHEM AND REFINERY EXPANSION PROJECTS (BPREP)
OF
BHARAT PETROLEUM CORPORATION LIMITED (BPCL), BINA REFINERY

AGREED TERMS & CONDITIONS (ATC)
(FOR FOREIGN BIDDERS)

Name of Bidding Entity: M/s _____

RFQ No.: _____

Bidder's Offer Ref No. _____ dated _____

Tel. No. _____Mob. No. _____ Fax No. _____

Contact Person: _____ E-mail _____

(*use capital letters only*)

1. All correspondence must be in **English** language only.
2. This is a pre-filled "questionnaire" and Bidder to accept and submit it online, duly signed and stamped on each page, as a token of their acceptance of all commercial terms and conditions.
3. All commercial terms / compliance / salient details are given /confirmed in this questionnaire and Bidding Forms itself and not elsewhere in the Offer. In case of contradiction, the confirmation given herein and in Bidding Forms by the Bidder shall prevail over the declaration/ statement/ confirmation given in other places by the Bidder. Bidder to note that the terms and conditions mentioned elsewhere in their offer or Bidder's own terms and conditions shall not be given cognizance of.
4. **Failure on the part of the Bidder in submitting this duly pre-filled "questionnaire" online with the Un-priced bid and/or submitting incomplete replies may lead to rejection of Bidder's Offer.**
5. Bidder's offer shall be in total compliance with RFQ documents containing commercial and technical specifications including general/ technical notes and scope of supply/work including documentation as per material requisition (MR) and subsequent technical/ commercial amendment, if any, and technical/commercial corrigendum, if any, without any deviation, otherwise such offer shall be liable for rejection.

Sl. No.	DESCRIPTION	SUPPLIER'S CONFIRMATION
1.	a) Bidder confirms that quoted prices are strictly as per Price Schedule format of the Enquiry Document. b) Confirm quoted prices are inclusive of stowage charges (Applicable in case of pipes RFQ). c) Confirm that ocean freight charges upto port of entry- Nhava sheva, (India) has been quoted separately by you in the price schedule.	*Confirmed* *Confirmed* *Confirmed, Quoted in Price Schedule*
2.	**<u>Insurance:</u>** **a) <u>Supply</u>** Price quoted must exclude Marine insurance charges from FOB International Port of Exit Price, as same shall be arranged by the Owner. However all marine insurance charges for inland transit upto FOB International Port of Exit must be included by you in your prices. **b) <u>Site Work</u>**	*Confirmed*

Sl. No.	DESCRIPTION	SUPPLIER'S CONFIRMATION
	Comprehensive insurance (Transit / Marine cum – erection till handing over of equipment) has been taken care by the owner. However site related insurance related to seller, including tools / tackles, equipment, workmen compensation, ES / PF etc. to be included in the seller quoted prices. (For details refer SPC)	*Confirmed*
3.	**Currency of Quote** Confirm that you have specified the currency of quote in Price Schedule Format / BoQ , in line with SPC.	*Confirmed*
4.	**Delivery / Completion Period:** a) Delivery / Completion period shall be strictly as mentioned in the RFQ covering letter.	*Confirmed*
5. a. b.	**Taxes & Duties:** All taxes, duties and levies of any kind payable upto FOB International Port of Exit shall be borne by Bidder. Export permit/ licence if required shall be vendor's responsibility & any expenditure towards same will be borne by Bidder.	*Confirmed* *Confirmed*
6.	**Validity:** Confirm Bid validity as stipulated in Bid Data Sheet (BDS) / RFQ Document .	*Confirmed*
7	**For Stockist / Traders :** Quoted items shall be supplied from EIL enlisted manufacturer/ mill as per their enlistment with EIL. (*Above clause is not applicable for Enquiries issued on open NIT basis)*	*Confirmed*
8. a.   b.   c

Sl. No.	DESCRIPTION	SUPPLIER'S CONFIRMATION
	iii) Inclusive of all statutory certification charges PESO/CCOE etc. (if applicable) as required in the Material Requisition.	
9.	*Confirm documentation charges as per MR are inclusive in your quoted prices.*	*Confirmed*
10.	**Performance Bank Guarantee:**	
a.	Confirm submission of the Performance Bank Guarantee, in line with provisions of Enquiry Document..	*Confirmed*
b.	The Performance Bank Guarantee shall be strictly as per proforma enclosed in Enquiry document and shall be from Banks allowed as per Enquiry Document and shall be submitted within 15 days from date of LOA / PO, whichever is earlier.	*Confirmed*
11.	**Guarantee / Warranty** Confirm acceptance to Guarantee / Warranty clause as mentioned in the GPC/BDS.	*Confirmed*
12.	**Firmness of prices:** Confirm quoted prices shall remain firm and fixed till complete execution of order. Price Variation shall not be considered on any account (except in case specifically permissible as per bidding document).	*Confirmed*
13.	**Part Order:** a) Confirm acceptance of Part Order clause as per RFQ Document. (if applicable as per RFQ). b) Items may be split (wherever applicable) to meet the Public Procurement Policy, 2012 for MSEs or Public Procurement (Preference to Make in India) (PPP-MII). Confirm acceptance. c) In case of part order confirm all lumpsum charges quoted extra if any viz. Documentation, testing, packing, crating, handling, FOB, TPI, IBR etc., shall be applicable prorata on value basis in the event of part order / part quantities/ split order.	*Confirmed* *Confirmed* *Confirmed*
14.	**Repeat Order:** Confirm Acceptance of Repeat Order clause as per RFQ Document. *(Refer BDS for applicability)*	*Confirmed*
15.	**Price Reduction on delay in delivery/completion:** a) Confirm acceptance of price reduction schedule for delay in deliveries/completion of work/services specified in General Purchase Conditions (GPC) enclosed with the RFQ Document. b) In case of delay, vendor will reduce the invoice amount by applicable reduction.	*Confirmed* *Confirmed*

Sl. No.	DESCRIPTION	SUPPLIER'S CONFIRMATION
16.	**Payment Terms:** Confirm acceptance of payment terms as specified in Bid Data Sheet (BDS) / Special Purchase Conditions (SPC).	*Confirmed*
17.	a) Letter of Credit shall be opened after receipt of unconditional order acceptance along with Performance bank guarantee, as per provisions of Enquiry Document. b) Letter of Credit shall be opened through a Bank as specified in SPC **OR** c) However, if you still insist for confirmed L/C, confirmation charges shall be borne by you. Please confirm.	*Confirmed* *Confirmed L/C not required* *Noted*
18.	All Bank charges and stamp duties payable outside India in connection with payments to be made under Purchase Order for the item, if placed, shall be borne by you. All bank charges and stamp duties payable in India shall be borne by the Purchaser.	*Confirmed*
19.	a) **Compliance to RFQ documents (For Category-I items, refer BDS for applicability):** Confirm that your offer is in total compliance with RFQ Document containing technical specifications including General / Technical notes, scope of supply/services/site work (as applicable) including documentation as per Material Requisition (MR) and subsequent amendment and corrigendum, if any, without any deviation.	*Confirmed*
b)	Confirm that your offer is in total compliance with RFQ documents containing commercial terms and conditions as per the following documents, without any deviation: i) Request for Quotation (RFQ) / Invitation for Bids (IFB) ii) Instructions to Bidders (ITB) iii) Bid Data Sheet (BDS) & Bidding Forms iv) Special Purchase Conditions (SPC) v) General Purchase Conditions (GPC) vi) Terms & Conditions of Site work / GCC / HSE vii) Integrity Pact. viii) Terms & Conditions for Supervision services/ Training/ Hazop/ AMC/ PWCAMC/ PGTR/ 3-D Modeling etc (as applicable to MR) ix) Commercial / Technical Amendments, if any x) Terms & Conditions for Indian Sourced Supply / service (if applicable) xi) Packing, Marking & shipping requirements. xii) Any other document enclosed with Enquiry Document.	i) Confirmed ii) Confirmed iii) Confirmed iv) Confirmed v) Confirmed vi) Confirmed (if applicable) vii) Confirmed (if applicable) viii) Confirmed (if applicable) ix) Confirmed (if applicable) x) *Confirmed* (if applicable) xi) *Confirmed* xii) *Confirmed*

Sl. No.	DESCRIPTION	SUPPLIER'S CONFIRMATION
20.	Direct offer without the intermediary of an Indian Agent will only be considered.	*Noted & Confirmed.*
21.	Bidder to quote as per the requirements and terms and conditions of the RFQ Document including all the enclosures and not to stipulate deviations/ exceptions. Once quoted, the Bidder shall not make any subsequent price changes, whether resulting or arising out of any technical/ commercial clarifications and details sought on any deviations, exceptions or stipulations mentioned in the Bidder's offer unless any amendment to RFQ Document is issued by OWNER/ EIL seeking price implication. Similarly, no revision in quoted price shall be allowed should the deviations stipulated by Bidder are not accepted by OWNER/EIL and are required to be withdrawn by Bidder in favor of meeting the requirements and complying to the terms and conditions of the RFQ Document. Any unsolicited proposed price change by the Bidder is likely to render the Bidder's offer liable for rejection. Confirm compliance.	*Confirmed*
22.	Printed terms and conditions, if any, appearing in quotation, shall not be applicable in the event of order. In case of contradiction between the confirmations given above and terms & conditions mentioned elsewhere in the offer, the confirmation given/confirmed herein above shall prevail.	*Confirmed*

BIDDER'S NAME:

SIGNATURE & SEAL:

ANNEXURE-I to ATC (Foreign)

BINA PETCHEM AND REFINERY EXPANSION PROJECTS (BPREP)
OF
BHARAT PETROLEUM CORPORATION LIMITED (BPCL), BINA REFINERY

INPUTS BY FOREIGN BIDDERS

Sl. No.	Description	Bidder's Response
1.	Country of origin from where the goods have been offered.	……
2.	Indicate International Seaport of Exit	……
3.	Indicate the HSN Code of the Items	……
4.	Details of any Free Trade Agreement (FTA) / Comprehensive Economic Partnership Agreement (CEPA) / Treaty between Bidders country Govt. & Indian Government for availing custom duty exemption / concession. **If bidder will not specifically mention the same, it will be construed that there is no specific Agreement / Treaty between Govt. of Bidders & Purchasers County.**	**Applicable / Not Applicable** If Applicable, bidder to provide details …….. ……..
5.	Please indicate name and address of your Bankers for L/C opening, telephone/E-mail address.	……

BIDDER'S NAME:

SIGNATURE & SEAL:

FORM-D

BANK MANDATE FORM
(For Indian supplier) (As per ITB)

1. Bidder Name :
2. Bidder Code :
3. Address of the Bidder :
4. Particulars of Bank Account of Bidder :
   a. Name of the Bank :
   b. Name of the Branch and Address of the Branch :
   c. Branch Code : :
   d. 9-Digit MICR code Number of the Bank & Branch :
   (As appearing in the MICR Cheque issued by the bank) :
   (Please do not give multicity cheque book code :
   Number)
   e. Type of account (Saving Bank, Current or Cash Credit) :
   f. Account Number :
   g. RGTS/IFSC Code (11 digit) :
   h. NEFT Code No. :
5. E-mail address of the Bidder :
6. Contact Person(s) of the Bidder :

I/we declare that the particulars given above are correct and complete and I/we accord our consent for receiving all our payments through Electronic Mechanism.

_____
(Signature and designation of the Authorised person(s) of Bidder)

Place :
Date :
Official seal of the Bidder

BANK CERTIFICATION
Certified that the particulars furnished above are correct as per our records. Place :
Date :

_____
Signature of the Authorised
Official of the Bank

Bank"s Stamp

BIDDER TO ENSURE SUBMISSION OF CANCELLED CHEQUE WITH THIS MANDATE FORM. IN CASE THIS MANDATE FORM IS NOT CERIFIED BY BANK

FORM-E

PRE BID QUERIES FORMAT

FOR BIDDER'S QUERIES FOR PRE BID CONFERENCE/ MEETING

SL. NO.	REFERENCE OF BIDDING DOCUMENT				BIDDER'S QUERY	EIL/OWNER'S REPLY
	Section	Page No.	Clause No.	Subject		

NOTE: 1. The Pre-Bid Queries may be sent to e-mail addresses as mentioned in RFQ / IFB / NIT.

SIGNATURE OF BIDDER : _____

NAME OF BIDDER : _____

Form-J

FORMAT for Declaration of Holiday Listing orders issued by BPCL or MOPNG debarring us from carrying on business dealings with BPCL/ MOPNG.

(On Company Letter Head, to be signed by the duly authorized person)

Date: _____

TENDER NO. : .....

TITLE OF TENDER: .....

To,
Bharat Petroleum Corporation Ltd

Dear Sir/Madam,

I /We declare and confirm that we are currently not serving any Holiday Listing orders issued by BPCL or MOPNG debarring us from carrying on business dealings with BPCL/ MOPNG or convicted of an offence –

(a) under the Prevention of Corruption Act, 1988: or

(b) the Indian Penal Code or any other law for the time being in force, for causing any loss of life or property or causing a threat to public health as part of execution of a public procurement contract.

(Signature and Stamp of the Bidder)

Bidder Name:

Date :

Address:

FORM-G

SELF DECLARATION

(AS PER ITB ON LETTERHEAD OF BIDDER)

Bidder's declaration as furnished herein shall supersede the stipulations mentioned elsewhere in their bid.

SL. NO.	DESCRIPTION	BIDDER'S DECLARATION
1.	We confirm that we are not on Holiday/ Negative list of EIL/BPCL/MoPNG as on date of submission of our bid.	☐ **We confirm** ☐ **We do not confirm**
2.	We confirm that we are not under insolvency, liquidation, court receivership or similar proceedings.	☐ **We confirm** ☐ **We do not confirm**
3.	We confirm that we are not involved in any Litigation / Arbitration. (or) We confirm that the current Litigation / Arbitration, in which bidder is involved will not have any impact in work being tendered or in entering into contract during the validity of offer and performing the contract till all the contractual obligations under contract are performed.	☐ **We confirm** ☐ **We do not confirm** **Or** ☐ **We confirm** ☐ **We do not confirm**
4.	Whether any of the directors of bidder is a relative of any director of BPCL/EIL or the bidder is a firm in which any director of BPCL/EIL or his relative is a partner of the bidder or a private company in which any director of BPCL/EIL is a director.	☐ **No Relation** ☐ **Yes, provide details**

SIGNATURE OF BIDDER : _____

NAME OF BIDDER : _____

COMPANY SEAL : _____

FORM-H

INTEGRITY PACT

[To be executed on plain paper and applicable for all tenders of value above Rs. 10 Crore]

INTEGRITY PACT

Between

Bharat Petroleum Corporation Limited (BPCL) hereinafter referred to as "The Principal",

And

.....hereinafter referred to as "The Bidder/ Contractor/ Supplier".

Preamble

The Principal intends to award, under laid down organization procedures, contract/s for ..... . The Principal values full compliance with all relevant laws and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder/s, Contractor/s and Supplier/s.

In order to achieve these goals, the Principal cooperates with the renowned international Non-Governmental Organization "Transparency International" (TI). Following TI's national and international experience, the Principal will appoint Independent External Monitor who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

Section 1 - Commitments of the Principal

(1) The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:

a) No employee of the Principal, personally or through family members, will in connection with the tender, or the execution of the contract, demand, take a promise for or accept, for himself/ herself or third person, any material or immaterial benefit which he/she is not legally entitled to.

b) The Principal will, during the tender process, treat all Bidders with equity and reason. The Principal will, in particular, before and during the tender process, provide to all Bidders the same information and will not provide to any Bidder confidential/ additional information through which the Bidder could obtain an advantage in relation to the tender process or the contract execution.

c) The Principal will exclude from the process all known persons having conflict of interest.

(2) If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal Code (IPC) 1860 (replaced by Bhartiya Nyaya Sanhita (BNS), 2023) and Prevention of Corruption Act 1988, or if there be a substantive suspicion in this regard, the Principal will inform its Vigilance Office and in addition can initiate disciplinary actions.

Section 2 - Commitments of the Bidder/ Contractor/ Supplier

(1) The Bidder/ Contractor/ Supplier commits itself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.

a) The Bidder/ Contractor/ Supplier will not, directly or through any other person or firm, offer, promise or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person, any material or immaterial benefit which he/she is not legally entitled to, in order to obtain in exchange, any advantage of any kind whatsoever during the tender process or during the execution of the contract.

b) The Bidder/ Contractor/ Supplier will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal, in violation of Competition Act 2022 (as amended from time to time). This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.

c) The Bidder/ Contractor/ Supplier will not commit any offence under the Indian Penal Code (IPC) 1860 (replaced by Bhartiya Nyaya Sanhita (BNS), 2023) and Prevention of Corruption Act 1988; further the Bidder/ Contractor/ Supplier will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

d) The Bidder/ Contractor/ Supplier will, when presenting his bid, disclose any and all payments he has made, is committed to, or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.

e) The Bidder/ Contractor/ Supplier shall make sure that the terms of this Integrity Pact are also adopted by its sub-contractors, sub-sub-contractors etc, if any and submit such adoption confirmation proof to the Principal. The Bidder/ Contractor/ Supplier shall be solely responsible for the adherence to the provisions of IP by its sub-contractors, sub-sub-contractors etc.

f) The bidder / contractor of foreign origin shall disclose the name and address of agents and representatives in India related to this tender. Similarly, the bidder / contractor of Indian nationality shall furnish the name and address of their foreign principals or associates, if any, related to this tender. Further details, as mentioned in the "Guidelines on Indian Agents of Foreign Suppliers," shall be disclosed by the Bidder(s)/Contractor(s) as per Annex.

(2) The Bidder/ Contractor/ Supplier will not instigate third persons to commit offences outlined above or be an accessory to such offences.

Section 3 - Disqualification from Tender Process and Exclusion from Future Contracts

If the Bidder, before contract award, has committed a transgression through a violation of Section 2 or in any other form such as to put his reliability or credibility as Bidder into question, the Principal is entitled to disqualify the Bidder from the tender process or to terminate the contract, if already signed, for such reason or take action as per laid down procedure to debar the Bidder(s)/Contractor(s) from participating in the future procurement processes.

(1) If the Bidder/ Contractor/ Supplier has committed a transgression through a violation of Section 2 such as to put his reliability or credibility into question, the Principal is also entitled to exclude the Bidder/ Contractor/ Supplier from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of the transgression. The severity will be determined by the circumstances of the case, in particular the number of transgressions, the position of the transgressors within the company hierarchy of the Bidder and the amount of the damage. The exclusion will be imposed for a minimum of 6 months and maximum of 3 years.

(2) A transgression is considered to have occurred if the Principal after due consideration of the available evidences, concludes that no reasonable doubt is possible.

(3) The Bidder accepts and undertakes to respect and uphold the Principal's absolute right to resort to and impose such exclusion and further accepts and undertakes not to challenge or question such exclusion on any ground, including the lack of any hearing before the decision to resort to such exclusion is taken.

This undertaking is given freely and after obtaining independent legal advice.

(4) If the Bidder/ Contractor/ Supplier can prove that he has restored/ recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal may revoke the exclusion prematurely.

Section 4 – Compensation for Damages

(1) If the Principal has disqualified the Bidder from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover from the Bidder liquidated damages equivalent to Earnest Money Deposit/Bid Security.

(2) If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to Section 3, the Principal shall be entitled to demand and recover from the Contractor/ Supplier liquidated damages equivalent to Security Deposit/ Performance Bank Guarantee.

(3) The Bidder agrees and undertakes to pay the said amounts without protest or demur subject only to condition that if the Bidder/ Contractor/ Supplier can prove and establish that the exclusion of the Bidder from the tender process or the termination of the contract after the contract award has caused no damage or less damage than the amount of the liquidated damages, the Bidder/ Contractor/ Supplier shall compensate the Principal only to the extent of the damage in the amount proved.

Section 5 - Previous Transgression

(1) The Bidder declares that no previous transgression occurred in the last 3 years from the date of bid submission with any other Company in any country conforming to the TI / Anti-corruption approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.

(2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

Section 6 - Equal treatment of all Bidders/ Contractors/Suppliers/ Subcontractors

(1) The Bidder/ Contractor/ Supplier undertakes to demand from all subcontractors a commitment in conformity with this Integrity Pact, and to submit it to the principal before contract signing. In case of a joint venture, all the partners of the joint venture should sign

the Integrity Pact. In case of sub-contracting, the principal contractor shall be solely responsible for the adherence to the provisions of IP by subcontractor.

(2) The Principal will enter into agreements with identical conditions as this one with all Bidders and Contractors/ Suppliers.

(3) The Principal will disqualify from the tender process all Bidders who do not sign this Pact or violate its provisions.

Section 7 - Punitive Action against Violating Bidders/ Contractors/ Suppliers/ Subcontractors

If the Principal obtains knowledge of conduct of a Bidder, Contractor, Supplier or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor, Supplier or Subcontractor which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the Vigilance Office.

Section 8 - Independent External Monitors

(1) The Principal has appointed competent and credible Independent External Monitors for this Pact after approval by the Central Vigilance Commission. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.

(2) The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the Chairperson of the Board of the Principal.

(3) The Bidder/ Contractor/ Supplier accepts that the Monitor has the right to access without restriction to all Project documentation of the Principal including that provided by the Bidder/ Contractor/ Supplier. The Bidder/ Contractor/ Supplier will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to this project documentation. The same is applicable to Subcontractors. The Monitor is under contractual obligation to treat the information and documents of the Bidder/ Contractor/ Supplier/ Subcontractor with confidentially. The Monitor has also signed declarations on 'Non disclosure of Confidential Information' and 'Absence of Conflict of Interest'. In case of any conflict of interest arising later, the IEM shall inform the Management of the Principal and recuse themselves from that case.

(4) The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the

contractual relations between the Principal and the Bidder/ Contractor/ Supplier. The parties offer to the Monitor the option to participate in such meetings.

(5) As soon as the Monitor notices, or believes to notice, a violation of this agreement, he will so inform the Management of the Principal and request the Management to discontinue or heal the violation, or to take other relevant action. The Monitor can in this regard submit non-binding recommendation. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action. However, the Independent External Monitor shall give an opportunity to the Bidder/ Contractor/ Supplier to present its case before making its recommendations to the Principal.

(6) The Monitor will submit a written report to the Chairperson of the Board of the Principal within 8 to 10 weeks from the date of reference or intimation to him by the 'Principal' and, should the occasion arise, submit proposals for correcting problematic situations.

(7) If the Monitor has reported to the Chairperson of the Board a substantiated suspicion of an offence under relevant Indian Penal Code (IPC) 1860 (replaced by Bhartiya Nyaya Sanhita (BNS), 2023) and Prevention of Corruption Act 1988, and the Chairperson has not, within reasonable time, taken visible action to proceed against such offence or reported it to the Vigilance Office, the Monitor may also transmit this information directly to the Central Vigilance Commissioner, Government of India.

(8) The word 'Monitor' would include both singular and plural.

Section 9 - Pact Duration

This Pact begins when both parties have legally signed it. It expires for the Contractor/ Supplier 12 months after the last payment under the respective contract, and for all other Bidders 6 months after the contract has been awarded. Any violation of the same would entail disqualifying the bidders and exclusion from future business dealings.

If any claim is made/ lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged/ determined by Chairperson of the Principal.

Section 10 - Other Provisions

(1) This agreement is subject to Indian Law. Place of performance and jurisdiction is the Registered Office of the Principal, i.e. Mumbai. The Arbitration clause provided in the main

tender document/ contract shall not be applicable for any issue/ dispute arising under Integrity Pact.

(2) Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.

(3) If the Bidder/ Contractor/ Supplier is a partnership or a consortium, this agreement must be signed by all partners or consortium members.

(4) Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

(5) If any Bidder/ Contractor/ Supplier entering into Integrity Pact, aggrieved by any decision / action of the Principal, shall approach the IEMs and await their decision before pursuing any other remedy available to him in law.

(6) Issues like Warranty / Guarantee, etc., shall be outside the purview of IEMs.

M PRABHU
Deputy General Manager (CRO-BPREP)
Bina Petchem & Refinery Expansion Project (BPREP)
Bharat Petroleum Corporation Ltd.
Mumbai Refinery, Admin Building,
Mahul, Mumbai - 400074.

For & On Behalf of the Principal
(Office Seal)

For & On Behalf of Bidder / Contractor / Supplier
(Office Seal)

Place.....
Date .....

Witness 1
(Name & Address)

Witness 1
(Name & Address)

Annex– Guidelines on Indian Agents of Foreign Suppliers

1.1 There shall be compulsory registration of agents for all Global Tender Enquiries (GTE) and Limited Tender Enquiries (LTE). An agent not registered with the Procuring Entity shall apply for registration with them.

1.2 Registered agents shall file an authenticated Photostat copy duly attested by a Notary Public / Original certificate of the Principal confirming the agency agreement and giving the status being enjoyed by the agent and the commission/remuneration/salary/ retainer ship being paid by the Principal to the agent before the placement of an order by the Procuring Entity.

1.3 Wherever the Indian representatives have communicated on behalf of their principals and the foreign parties, have stated that they are not paying any commission to the Indian agents, and the Indian representative is working based on salary or as a retainer, a written declaration to this effect should be submitted by the party (i.e., Principal) before finalising the Contract.

2.0 Disclosure of Particulars of Agents/ Representatives in India, if any.

2.1 Bidders of Foreign nationality shall furnish the following details in their offer:

2.1.1 The name and address of the agents/representatives in India, if any and the extent of authorisation and authority given to commit the Principals. If the agent/representative is a foreign Company, it shall be confirmed whether it is a real functioning Company, and details of the same shall be furnished.

2.1.2 The amount of commission/remuneration included in the quoted price(s) for such agents/representatives in India.

2.1.3 Confirmation of the Bidder that the commission/ remuneration, if any, payable to his agents/representatives in India, may be paid by the Procuring Entity in Indian Rupees only.

2.2 Bidders of Indian Nationality shall furnish the following details in their offers:

2.2.1 The name and address of the foreign principals indicating their nationality as well as their status, i.e., whether manufacturer or agents of manufacturer holding the Letter of Authority of the Principal specifically authorising the agent to make an offer in India in response to tender either directly or through the agents/representatives.

2.2.2 The amount of commission/remuneration included in the price (s) quoted by the Bidder for himself.

2.2.3 Confirmation of the foreign principals of the Bidder that the commission/remuneration, if any, reserved for the Bidder in the quoted price (s) may be paid by the Procuring Entity in India in equivalent Indian Rupees on satisfactory completion of the Project or supplies of Stores and Spares in case of operation items.

2.3 In either case, in the event of the contract materialising, the payment terms shall provide for payment of the commission /remuneration, if any, payable to the agents/representatives in India in Indian Rupees on expiry of 90 days after the discharge of the obligations under the contract.

2.4 Failure to furnish correct and detailed information as called for in paragraph - 2.0 above shall render the concerned bid liable to rejection or, in the event of a contract materialising, the same liable to termination by the Procuring Entity. Besides this, there would be a penalty of banning business dealings with the Procuring Entity or damage or payment of a named sum.

The Independent External Monitors (IEM) may be contacted in case of any complaint with respect to the Tender :

Sr. No	Name	Address	Contact No	Email ID
1.	Shri Dr. Atanu Purkayastha	D-5, Sector 27 Noida, Uttar Pradesh-201301	9899772227	*dratanu2011@gmail.com*
2	Shri Pradeep Kumar			*pradeepawasthi1981@gmail.com*
3	Shri Javeed Ahmad			*Javeed60@yahoo*.com

FORM-I

DELETED

FORM –M

PROFORMA OF BANK GUARANTEE FOR EARNEST MONEY DEPOSIT

PROFORMA OF BANK GUARANTEE

(On non-judicial paper of appropriate value)

FOR EARNEST MONEY / SECURITY DEPOSIT TOWARDS PERFORMANCE

To

Bharat Petroleum Corporation Ltd.

Dear Sirs,

M/s._____have taken tender for the work_____CRFQ No/PO No

_____for Bharat Petroleum Corporation Ltd.

The tender Conditions of Contract provide that the Contractor shall pay a sum of Rs._____ (Rupees_____) as earnest money/security deposit in the form therein mentioned. The form of payment of earnest money/security deposit includes guarantee executed by Scheduled Bank, undertaking full responsibility to indemnify Bharat Petroleum Corporation Ltd. in case of default.

The said_____have approached us and at their request and in consideration of the premises we_____having our office at_____have agreed to give such guarantee as hereinafter mentioned.

1. We_____hereby undertake and agree with you that if default shall be made by M/s._____in performing any of the terms and conditions of the tender or in payment of any money payable to Bharat Petroleum Corporation Ltd. We shall on demand pay to you in such matter as to you may direct the said amount of Rupees_____only or such portion thereof not exceeding the said sum as you may from time to time require.

2. You will have the full liberty without reference to us and without effecting this guarantee postpones for any time or from time to time the exercise of any of the powers and rights conferred on you under the contract with the said_____and to enforce or to for bear from endorsing any power of rights or by reason of time being given to the said which under law relating to the sureties would but for provision have the effect of releasing us.

3. Your right to recover the said sum of Rs._____(Rupees_____) from us in manner aforesaid will not be affected or suspended by reason of the fact that any dispute or disputes have been raised by the said M/s._____and/or that any dispute or disputes are pending before any officer, tribunal or court.

4. The guarantee herein contained shall not be determined or affected by the liquidation or winding up, dissolution or change of constitution or insolvency of the said_____but shall in all respects and for all purposes be binding operative units payment of all money due to you in respect of such liabilities is paid.

5. Our liability under this guarantee is restricted to Rupees_____Our guarantees shall remain in force until_____unless a suit or action to enforce a claim under_____Guarantee is filed against us within six months from _____(which is date of expiry of guarantee) all our rights under the said guarantee shall be forfeited and shall be relieved and discharged from all liabilities thereunder.

6. We have power to issue this guarantee in your favour under Memorandum and Articles of Association and the undersigned has full power to do under the Power of Attorney dated_____granted to him by the Bank.

Yours faithfully

_____ Bank by its Constituted Attorney Signature of a person duly authorized to sign on behalf of the bank.

FORM – N

TAX RESIDENCY CERTIFICATE

&

FORM 10F

TAX RESIDENCY CERTIFICATE

TRC obtained by the Non-resident from Government of foreign country shall contain the following particulars:

Name of the assessee;

Status (individual, company, firm etc.) of the

assessee; Nationality (in case of individual);

Country or specified territory of incorporation or registration (in case of others);

Assessee's tax identification number in the country or specified territory of residence or in case no such number, then, a unique number on the basis of which the person is identified by the Government of the country or the specified territory;

Residential status for the purposes of tax;

Period for which the certificate is applicable; and

Address of the applicant for the period for which the certificate is applicable;

FORM NO 10F

[See sub-rule (1) of rule 21AB]

Information to be provided under sub-section (5) of section 90 or sub-section (5) of section 90A of the Income-tax Act, 1961

I……*son/daughter of……in the capacity of ..... (designation) do provide the following information, relevant to the previous year…… *in my case/in the case of ……for the purposes of sub-section (5) of * section 90/section 90A:-

Sl. No.	Nature of information	:	Details#
(i)	Status (individual; company, firm etc.) of the assessee	:	
(ii)	Permanent Account Number (PAN) of the assessee if allotted	:	
(iii)	Nationality (in the case of an individual) or Country or specified territory of incorporation or registration (in the case of others)	:	
(iv)	Assessee's tax identification number in the country or specified territory of residence and if there is no such number, then, a unique number on the basis of which the person is identified by the Government of the country or the specified territory of which the assessee claims to be a resident	:	
(v)	Period for which the residential status as mentioned in the certificate referred to in sub-section (4) of section 90 or sub-section (4) of section 90A is applicable	:	
(vi)	Address of the assessee in the country or territory outside India during the period for which the certificate, mentioned in (v) above, is applicable	:	

2. I have obtained a certificate to in sub-section (4) of section 90 of sub-sub-section (4)of section 90A from the Government of (name of country or specified territory outside India)

Signature:……..
Name:……..
Address:…….
Permanent Account Number:……..

Verification

I …….. do hereby declare that to the best of my knowledge and belief what is stated above is correct complete and is truly stated.
Verified today the ……..day of…….

……
Signature of the person providing the information

Place:…….
Note:

1. *Delete whichever is not applicable.
2. #Write N.A. if the relevant information forms part of the certificate referred to in sub- section (4) of section 90 or sub-section (4) of section 90A.

3. #Write N.A. if the relevant information forms part of the certificate referred to in sub- section (4) of section 90 or sub-section (4) of section 90A.

BINA PETCHEM AND REFINERY EXPANSION PROJECT (BPREP)
OF
M/s BHARAT PETROLEUM CORPORATION LTD, BINA (MADHYA PRADESH)

SPECIAL PURCHASE CONDITIONS (SPC)

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ANNEXURES TO SPC

Sl. No.	Description
1	Annexure- A: Taxes & Duties.
2	Annexure- B : List of banks
3	Annexure- C : Provisions w.r.t. Payment Terms
4	Annexure- D : Terms and Conditions for Supervision of Erection, Testing & Commissioning / Training at Site/Hazop
5	Annexure- E : Terms and Conditions for Post Warranty Annual Maintenance Contract
6	Annexure- F : Terms and Conditions for Site Work
7	Annexure- G :Terms & Conditions for Indian Sourced Components / Services
8	Annexure- H : Procedure for Vendor Invoice Processing- data collection template Vendor master Social Media Policy for Business Partners Vendor Advisory on Environmental Criteria
9	Annexure- I Packing, Marking, Shipping and Documentation Specification (For Indian Bidders) Packing, Marking, Shipping and Documentation Specification (For Foreign Bidders)

1. DEFINITIONS AND INTERPRETATIONS

In addition to meaning ascribed to certain capitalized terms in "General Purchase Conditions (GPC)", following initial capitalized terms shall have the meaning as ascribed to such term hereunder. In case any term defined hereunder is also defined in "GPC", the meaning ascribed to such term hereunder shall prevail:

1.1 Definitions

RFQ Documents, shall mean documents issued to the bidder along with RFQ

Effective Date shall mean the date on which Supplier's obligations will commence and that will be date of GeM Contract / Letter of Acceptance (LOA) / Purchase Order (PO), in case LOA is not issued.

The "Consultant" means the consulting engineers Nominated/appointed by the Owner for this Project/Job. ENGINEERS INDIA LIMITED (EIL) is consultant for this Project.

1.2 Interpretations

1.2.1 Where any portion of the GPC is repugnant to or at variance with any provisions of the SPC then, unless a different intention appears, the provisions of the SPC shall be deemed to govern the provisions of the GPC and SPC provisions shall prevail to the extent of such repugnancy, or variations exist.

1.2.2 In RFQ Documents unless otherwise stated specifically, the singular shall include the plural and vice versa wherever the context so requires.

1.2.3 Notwithstanding the sub-division of the RFQ Documents into separate sections and volumes every part of each shall be deemed to be supplementary to and complementary of every other part and shall be read with and into the Agreement so far as it may be practicable to do so.

1.2.4 All headings, subtitles and marginal notes to the clauses of the GPC, SPC or to the Specifications or to any other part of RFQ Document are solely for the purpose of giving a concise indication and not a summary of the contents thereof, and they shall never be deemed to be part thereof or be used in the interpretation or construction thereof.

1.2.5 The terms fully capitalized and/or initial capitalized shall be interchangeable and shall have the meaning as assigned to fully capitalized term or initial capitalized term.

1.2.6 Except the obligation of issuance of Purchase Order, Amendment of Purchase Order and payment to Seller, Consultant may discharge all other Purchaser's obligations. In BIDDING documents at all such places where obligations are confined to Purchaser alone such provision to read as 'Purchaser/Consultant's' obligation to the extent the context so means/ requires.

2. SUPPLIER'S SCOPE

2.1 Supplier's scope shall include but not limited to (a) manufacturing of Items as per Material Requisition technical specifications; (b) preparation of Quality Assurance / Quality control program; (c) obtaining Consultant's approval; (d) Inspection by Purchaser's/ Consultant/ Agency Designated by Purchaser and obtaining Inspection Release Note; (e) obtaining dispatch clearance; (f) Packing; and (g) Loading on truck/trailer for Indian Bidder / loading on ship at FOB port of exit, Ocean freight upto Nhava Sheva Port including stowage as applicable for foreign bidder and transportation upto site as applicable for Indian Bidder.

3. DELIVERY SCHEDULE / COMPLETION PERIOD

3.1 All goods under the scope of the Supplier shall be delivered as per delivery schedule / completion period specified in Request for Quotation (RFQ)/IFB and no variation shall be permitted.

3.2 Failing to meet the delivery schedule / completion period will be subject to Price Reduction and/or other remedies available to the Purchaser in RFQ Documents.

3.3 Price Reduction Schedule (PRS) shall be applicable as per Clause. No. 20 of GPC.

3.4 Where erection/testing/commissioning supervision, commissioning assistance is required as per RFQ Documents / Material requisition, penalty for non- mobilization/delay in mobilization as per order shall

be applicable.

3.5 The delivery schedule / completion period shall be reckoned from the date of GeM Contract / Letter of Acceptance / Purchase Order (PO), whichever is earlier..

4. DESPATCH INSTRUCTIONS

4.1 Supplier shall obtain dispatch clearance from the purchaser prior to dispatch.

4.2 Following dispatch documents are required to be submitted by the Supplier immediately after shipment is made.

Tax Invoice

Inspection Release Note by Third Party Inspection Agency/Purchaser/Consultant. LR/ GR / Clean Bill of Lading.

Packing List

Test Certificates (NDT reports, MTC, etc. as per MR) Certificate of Measurement and Weight

List of documents as specified in Vendor Data Requirement in Material Requisition & counter signed & stamped by TPIA (as applicable).

In addition to above documents in case of Foreign Bidder following documents are also required to be submitted

ETA Nhava Sheva Seaport

Documents pertaining to ocean freight

Country of origin certificate

5. PACKING, MARKING AND SHIPMENT

5.1 The following clause is added to Clause no.8 and 15 of GPC :

"The Supplier wherever applicable shall after proper painting, pack and crate all goods for sea/road/rail transportation in such a manner so as to protect it from damage and deterioration. The Supplier shall be held responsible for all damages due to improper packing. The Supplier shall ensure sizing or packing of all oversized consignments in such a way that availability of carrier and/or road/rail route is properly taken into consideration"

6. INSURANCE

6.1 Where only supply is involved, transit insurance shall be excluded from the suppliers scope and the same shall be arranged by the owner.

For purchases involving site work, Owner shall take Comprehensive Project Insurance covering all aspects of the Project construction including transit/logistics Procurement, Farbication, Construction, Offsite storage, Testing & commissioning and contractor and sub contractor of any tier shall be covered for on site activities only with respect to Project Value. Contractor is not supposed to take any Project Insurance nor Marine policy. This policy will also cover Third Party Liability arising out of bodily injury and/or property damage to Third Party only.
Owner's policies will absolutely exclude the following for which supplier shall take adequate insurance:

- Cover for supplier's Plant & Machinery used for construction
- Liability arising out of above equipment
- Cover for Employees/ workers of the Contractor
- Any statutory insurance like motor insurance for the vehicles used by suppliers.
- Cover for any vessels used for construction activities by the supplier including any associated liabilities
- Cover for any aircraft or helicopter and/or aviation assets used for construction activities by the contractor including any associated liabilities

- Cover for Professional Liability Insurance for design, project management, detailed engineering, design & build activities by the contractor and/or any consultant

7. INSPECTION

7.1 Inspection of Indigenous items shall be done by Engineers India Limited (EIL). In the case Indian party sourcing materials from abroad, the bidder shall arrange inspection through Third Party Inspection agency (as per Sl. No. 7.2 of General Purchase Conditions) in the country of origin & charges of the same shall be included in quoted prices.

7.2 Foreign vendors shall include third party inspection charges of Third Party Inspection agency (TPIA registered as per Sl. No. 7.2 of General Purchase Conditions) in the country of origin. In the case of foreign party sourcing items from India the inspection shall be done by EIL, no additional charges shall be payable to Seller on account of the same.

8. Deleted

9. TAXES & DUTIES

Refer chapter on Taxes and duties attached as Annexure- A to Special Purchase Conditions (SPC)

10. RECOVERY OF CUSTOMS DUTY, GST

In case of Indian Bidders, if the Statutory Variation entitles the Owner to recover the amount (irrespective of contractual delivery) such amount will be recovered from any bill of the Supplier immediately on enforcement of such variation under intimation to the Supplier.

11. REJECTION OF MATERIAL

Any materials/goods covered under scope of supply, which during the process of inspection by appointed third party, at any stage of manufacture/fabrication and subsequent stages as defined in Material Requisition , prior to dispatch is found not conforming to the requirements/specifications of the Purchase Requisition/Order, shall be liable for immediate rejection.

Supplier shall be responsible and liable for immediate replacement of such material on FOT Site basis, with acceptable material or rectify the defective material upto the satisfaction of inspection agency at no extra cost or impact on the delivery schedule to PURCHASER.

12. Deleted

13. PURCHASER'S RIGHTS AND REMEDIES

Without prejudice to PURCHASER's right and remedies under Agreement, if SUPPLIER fails to commence delivery as per agreed schedule and/or in reasonable opinion of the PURCHASER, SUPPLIER is not in a position to make up the delay to meet the intended purpose, the PURCHASER may terminate the AGREEMENT in full or part at SUPPLIER's default and may get supplies from other sources at SUPPLIER's risk and cost.

14. PERFORMANCE BANK GUARANTEE (PBG):

i) Single Performance Bank Guarantee for **5%** of total basic order value shall be furnished by successful vendors in BPCL format, within 15 days from the date of GeM Contract / Purchase order/ Letter of Acceptance, whichever issued earlier, in the proforma, in line with bidding document and from the banks as listed in **Annexure-B to SPC.**

ii) In case PBG is not received by BPCL within 45 days, non-refundable interest shall be charged at the rate (SBI base rate prevailing on the date of issue of enquiry plus 1%) (refer Bid data Sheet for SBI Base Rate), from the date the BG towards security deposit becomes due (i.e. 15 days from the date of Award).

iii) Failure of the successful bidder to submit the above-mentioned Performance Bank Guarantee shall constitute sufficient grounds for the annulment of the award.

iv) **BPCL's Bank Details for SFMS / e-PBG:**

Name of Bank : ICICI Bank
Branch: : Backbay Branch,

Mumbai BPCL : BPCL583493800
IFSC Code : ICIC0000393
BPCL Customer ID: BPCL583493800

v) Performance Bank Guarantee is applicable for all contract with value exceeding Rs 10 lakh.

15. PAYMENT TERMS FOR INDIAN BIDDERS AND FOREIGN BIDDERS:

Payment Terms shall be as specified in Bid Data Sheet (BDS). Also refer **Annexure-C** to this Special Purchase Conditions for relevant notes.

16. TRANSPORTATION

Delivery shall be on FOT site basis for indigenous supplies. For foreign supplies delivery shall be CFR port of entry in India (Nhava Sheva Port) basis except for ODC items. However, in case of packages involving site work, the delivery shall be on FOT site basis, duly erected and commissioned. or as Indicated in the RFQ document. Transportation / Ocean Freight shall be in scope of bidder. However, for Price Reduction Schedule (PRS) purpose, FOT dispatch point price for Indigenous supplies and FOB Port of shipment price for foreign supplies shall be considered. For ODC items, Delivery shall be FOT site basis only.

17. Deleted

18. PAYING AUTHORITY:

Bharat Petroleum Corporation Limited

Purchaser's Bankers:

Shall be provided along with detailed Purchase Order.

GST Registration details of BPCL

Bina Petro Chemical Unit (Madhya Pradesh): 23AAACB2902M2Z0

Bina Refinery Expansion (Madhya Pradesh): 23AAACB2902M1Z1

19. ORIGIN OF GOODS:

A certificate issued by relevant Chambers of Commerce to this effect shall form part of shipping documents (Applicable for imported finished Goods only).

20. QUALITY ASSURANCE / QUALITY CONTROL

11.1 The Supplier shall prepare a detailed quality assurance plan for the execution of contract for various facilities, which will be mutually discussed and agreed to.

11.2 The Supplier shall establish document and maintain an effective quality assurance system outlined in recognized codes

11.3 The purchaser/consultant, while agreeing to a quality assurance plan shall mark the stages where they would like to witness the tests; review any or all stages of work at shop as deemed necessary for quality assurance.

21. Deleted

22. Deleted

23. LIEN

Supplier shall ensure that the Scope of Supply supplied under the Agreement shall be free from any claims of title/liens from any third party. In the event of such claims by any party, Supplier shall at his own cost defend, indemnify and hold harmless Purchaser or its authorized representative from such disputes of title/liens, costs, consequences etc.

24. SETTLEMENT OF DISPUTE BETWEEN GOVT. DEPT./ PUBLIC SECTOR UNDERTAKINGS

In the event of any disputes or differences between the CONTRACTOR and the OWNER, if the CONTRACTOR is a Government department, a Government company or an undertaking in the public sector, then in addition to the provisions of clause 23 of the General Purchase Conditions, following shall be applicable:

Office Memorandum No. 0S/0003/2019-FTS-10937 dated 14.12.2022 issued by Government of India Ministry of Finance, Department of Public Enterprises for "Settlement of commercial disputes between Central Public Sector Enterprises (CPSEs) inter se and CPSE(s) and Government Department(s)/Organization(s) - Administrative Mechanism for Resolution of CPSEs Disputes (AMRCD)."

25. POST ORDER CORRESPONDENCE

Shall be specified in Letter of Acceptance / Purchase Order.

26. INDEPENDENT EXTERNAL MONITORS:

Bidders may raise disputes/complaints, if any, with the nominated Independent External Monitor, Bidder to refer Integrity Pact for details of Independent External Monitor.

27. REPEAT ORDER (Refer BDS for applicability)

Repeat order shall be applicable for additional **100%** value of the original order with quantities of each ordered item not exceeding 100% of the ordered quantities within 1 year from the date of placement of order

28. GOVERNING LAW:

Laws of India will govern the Contract / Purchase Order and jurisdictions of the courts in the city of Mumbai will have exclusive jurisdiction on all matters related to Contract / Purchase Order.

Seat of Arbitration shall be Mumbai for clause no. 23 of GPC.

29. ARBITRATION

In partial modification to Cl. No. 23 of GPC, following clause shall be applicable:

Mediation and Arbitration:

In the event of a dispute arising out of or in connection with this contract, including any question regarding its existence, validity or termination, the parties shall first seek settlement of that dispute by mediation in accordance with the Mediation Act, 2023.

A. If the dispute is not settled by mediation within [90] days of the appointment of the Mediator, or such further period as the parties shall mutually agree in writing, the dispute shall be referred to and finally resolved by arbitration as per India International Arbitration Centre (Conduct of Arbitration Proceedings) Regulations for the time being in force, which Regulations are deemed to be incorporated by reference into this Clause

B. The language to be used in the mediation and in the arbitration shall be English.

C. The governing law of the contract shall be the substantive law of India.

D. In any arbitration commenced pursuant to this clause:

i) The number of arbitrator/s shall be:

a) One - if the total claim including counterclaim, if any, under arbitration is Rupees 50 Crores or less; or

b) Three – if total claim including counterclaim, if any, is of more than Rs. 50 Crores.

ii) The seat of arbitration shall be Mumbai, India

iii) The cost of the proceedings shall be equally borne by the parties, unless otherwise directed by the arbitrator/s.

iv) Neither party shall be entitled to and claim for any pre-reference or pendente-lite interest, i.e. form the date of cause of action till date of Award by Arbitral Tribunal and claim for any such interest shall not be entertained by Arbitral Tribunal and be void. Further, Arbitral Tribunal shall have no power or authority to award pre-reference or pendent-lite interest in the matter.

E. In the event of any dispute or difference relating to the interpretation and application of the provisions of commercial contract(s) between Central Public Sector Enterprises (CPSEs) / Port Trusts inter se and also between CPSEs and Government Departments / Organizations (excluding disputes relating to Railways, Income Tax, Customs & Excise Departments), such dispute or difference shall be taken up by either party for resolution through AMRCD as mentioned in DPE OM No. 05/0003/2019-FTS-10937 dated 14th December 2022 and the decision of AMRCD on the said dispute will be binding on both the parties

30. PRICE VARIATION

Price Variation as per IEEMA shall be applicable for cables MR.

31. WAIVER OR TRANSFER OF THE AGREEMENT

The successful bidder shall not waive the Agreement or transfer it to third parties, whether in part or in whole, nor waive any interest that is included in the Agreement without the prior written permission of the Purchaser.

32. COMPLIANCE TO PUBLIC PROCUREMENT (PREFERENCE TO MAKE IN INDIA), ORDER-2017 DURING EXECUTION:

(a) For all contracts up to INR 10 Crore Contractor/ Supplier shall submit Form-2A. However, for contracts above INR 10 Crore, the Bidder shall be required to submit local content certification (as per FORM-3 & 3A) duly certified by Statutory Auditor or Cost Auditor (in the case of companies) or from a Practicing Cost Accountant or Practicing Chartered accountant (in respect of contractors / suppliers other than companies). For cases where it is not possible to provide such certification, the Contractor / supplier is permitted to provide the certificate after completion of contract but not later than submission of Final Bill. In that case, an amount equivalent to 10% of invoice value shall be retained from each invoice till submission of Form-3 & 3A.

(b) In case the Contractor/Supplier submit False declarations and / or does not meet the stipulated local content requirement and the category of the Contractor/ Supplier changes from Class-I to Class-II / Non-local or from Class-II to Non-local, default and penalty actions shall be taken as per the provisions of Public Procurement (Preference to Make in India) (PPP-MII) Order 2017 and its subsequent amendments.

ANNEXURE-A TO SPC

TAXES & DUTIES

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A. Price basis w.r.t inclusion/exclusion of taxes and duties

1. The quoted price(s) shall be inclusive of all the taxes and duties except GST (i.e. IGST or CGST and SGST/UTGST applicable in case of interstate supply or intra state supply respectively) and GST compensation cess, (if applicable) leviable on sale of finished goods/services.
2. In case of foreign bidders, bidders shall submit their prices on FOB international sea port of exit basis which shall be inclusive of all applicable taxes up to FOB international sea port of exit
3. Transportation charges in India (if applicable) up to respective project site shall be exclusive of GST.
4. Site work prices, if applicable shall be inclusive of all taxes and duties except GST. All necessary registrations, if required, for carrying out the site activities shall be done by the bidder and costs towards the same shall be included in quoted site work prices.
5. Prices of per diem supervision charges, training/AMC, HAZOP Study etc. (as applicable) shall be exclusive of GST. However, GST shall not be applicable on training provided at foreign bidder's work/training facilities in any territory other than India.

For enquiries floated on GeM portal, the above provisions shall be superseded by the provisions mentioned in ITB in this regard.

B. TAX CLAUSES

1. Goods and Services Tax

a. The supplier/contractor will be liable to register with the respective tax authorities and to submit self-attested copy of such registration certificates and the supplier/contractor will be responsible for procurement of goods/services in its own registration (GSTN).

b. Supplier/Contractor shall be required to issue tax invoice in the form and manner prescribed under GST Act read with Rules thereunder including E-Invoicing provisions so that input tax credit under GST can be availed by Owner. In the event that the supplier/contractor fails to provide the Tax Invoice/E-Invoice in the form and manner prescribed under the GST act read with GST invoicing rules thereunder, Owner shall not be liable to make any payment on account of GST against such invoice.

c. In case supplier/contractor is not subject to E-Invoicing provisions under the GST Laws as amended from time to time, then a declaration to this effect shall be furnished by the supplier/contractor along with the Invoice.

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d. GST shall be paid to supplier/contractor against receipt of Tax Invoice/E-Invoice. In case of non-receipt of Tax Invoice/E-Invoice, Owner shall with hold the payment of GST.

e. The supplier/contractor shall always comply with the requirements of applicable laws and provide necessary documents as prescribed under the rules and regulations, as applicable from time to time. In particular, if any tax credit, refund or any other benefit Is denied/delayed to Owner or any interest/penalty is charged to Owner due to any non-compliance/ delayed compliance by the supplier/contractor under the GST Law (including but not limited to failure to upload the details of the sale on GSTN portal, failure to pay GST to the government or due to non-furnishing or furnishing of incorrect or incomplete documents, non-filing of GST return by the supplier/contractor), the supplier/contractor shall be liable to reimburse Owner for all such losses and other consequences including but not limited to the tax loss, interest and penalty. Owner shall be entitled to recover such amount from the supplier/contractor by way of adjustment from the next invoice, encashment of BG or by way of any other means either of same project or any other project of the Owner.

f. In case of any Advance including Mobilization/Secured/Other Advance is granted to supplier/contractor as per the provisions of Contract, then the supplier/contractor shall issue a Receipt Voucher / GST Invoice in the form and manner prescribed under GST Act read with Rules thereunder including e-invoicing provisions.

g. In case of any Price Variation as per the provisions of Contract, the supplier/contractor shall issue an Invoice in the form and manner prescribed under the GST Act read with Rules thereunder including e-invoicing provisions.

h. GST payable under reverse charge for specified services/goods under GST Act read with Rules thereunder, if any, shall not be paid to the supplier/contractor but will be directly deposited by Owner to the appropriate Government Tax Authority. If the same has already been reimbursed / paid to the supplier/contractor for any reason whatsoever, then Owner shall be entitled to deduct/set off /recover such amount against any amounts paid/payable by Owner to supplier/contractor.

i. Where Owner has the obligation to discharge GST liability under reverse charge mechanism and Owner has paid or is liable to pay GST to the government on which interest/penalty becomes payable as per GST law for any reason which is not attributable to Owner or Input Tax Credit w.r.t. such payment is not available to Owner for any reason which is not attributable to

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Owner, then Owner shall be entitled to deduct/set off /recover such amount against any amounts paid/payable by Owner to contractor/supplier.

j. TDS under GST, if applicable shall be deducted from supplier/contractor bills at applicable rates and a certificate as per rules for tax so deducted shall be provided to supplier/contractor.

k. The supplier/contractor will be under obligation for charging correct rate of tax as prescribed under the respective tax laws. Further the supplier/contractor shall avail and pass on benefits of all exemptions/concessions available under applicable tax laws.

l. In case bidder is covered under composition scheme under GST law, then bidder shall quote the price inclusive of GST. Further, such bidder should mention "Covered under GST Composition Scheme" in column for GST of relevant price schedule(s). In case subsequently such bidder gets covered under regular GST regime, the prices including GST under regular GST regime shall not exceed the prices quoted by the bidder under composition scheme.

m. Owner prefers to deal with registered supplier/contractor of goods/services under GST. Therefore, bidders are requested to get themselves registered under GST, If not registered yet. However, in case any unregistered bidder is submitting bid, their prices will be loaded with applicable GST while evaluation of bid as per evaluation methodology of tender document. However, where Owner is entitled for input credit of GST, the same will be considered for evaluation of bid as per evaluation methodology of tender document.

n. In case of foreign bidders, for supervision/site-work/training, services provided by foreign bidder at project site, GST shall be paid by Owner directly to appropriate Government Tax Authorities, under Reverse Charge Mechanism, if applicable and prices of such services will be loaded with applicable GST while evaluation of bid as per clause E (Evaluation methodology).

o. Bidder will be required to quote applicable tax rate (along with applicable HSN/SAC Code) as per provisions of GST Laws for all the line items forming part of the enquiry. Any higher rate of tax actually invoiced in excess of quoted rate of tax (except in compliance with provisions of Statutory Variation clauses) shall be adjusted in basic price.

p. In case of delay in supply/execution of contract, supplier/contractor shall be liable to raise invoices for reduced value as per Price Reduction Schedule (PRS) provision of the bidding document. In case the supplier/contractor

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raises invoices for full value, then supplier/contractor shall issue Credit Note, in the form and manner prescribed under relevant GST Act read with Rules thereunder, towards applicable PRS amount with applicable GST thereon.

In case supplier/contractor fails to submit invoices with reduced value or does not issue Credit Note as mentioned above, Owner shall release payment to the supplier/contractor after giving effect to the PRS clause with corresponding reduction in taxes from invoice(s) of supplier/contractor.

In case any financial implication arises on Owner due to issuance of invoice without reduction in prices or non-issuance of Credit Note by supplier/contractor, the same shall be to the account of supplier/contractor. Owner shall be entitled to recover the amount of such financial implication paid or becoming payable by Owner together with penalty and interest thereon, if any.

q. E-way bills shall be issued directly by supplier/contractor in all cases except in cases of direct imports by Owner where E-way bill shall be issued by Owner.

r. In case of applicability of any recovery as per provisions of the contract, Owner shall raise Invoice on supplier/contractor after charging GST at applicable rates as per prevailing provisions of GST Laws.

2. IMPORT DUTIES

a. Direct supplies by foreign suppliers where, client becomes consignee:
   i. Consignee shall be Owner, bill of entry shall be filed by Owner, all import duties, Social Welfare Surcharge, IGST and GST Compensation Cess etc. as applicable in India shall be paid by Owner.

b. Imported supplies by Indian/ Foreign suppliers/Contractors as built in import content where goods are cleared by filing into Bill of Entry in the name of Owner
   i. High seas sale shall be effected between, supplier/contractor and Owner.
   ii. Bill of entry shall be filed in the name of Owner by supplier/contractor, all import duties, Social Welfare Surcharge, IGST and GST Compensation Cess etc. as applicable in India shall be discharged by Owner.
   iii. Custom duties, Social Welfare Surcharge, IGST, GST Compensation Cess, etc. as applicable in India on the imported materials shall not be included in the quoted prices by the bidder. All harbour dues/ pilotage fees, port fees, wharfage, unloading costs, demurrage

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charges etc. incurred in India in respect of any imported goods shall be to supplier's/contractor's account.

iv. Bidder to indicate CIF value of built-in import content and applicable merit rate,Social Welfare Surcharge on custom in the relevant price schedule.

v. The supplier/contractor shall be responsible for and shall exercise due diligence in properly classifying the goods and materials, undertaking the payment of custom duties, and/or otherwise complying with all applicable laws w.r.t. import of the goods and materials

vi. If the total custom duties (BCD, SWS & IGST) paid or payable on the import of goods into India exceeds the total value thereof calculated as per the CIF value and rates indicated by supplier/contractor as above as increased or decreased for any increase or reduction in applicable rates or CIF valuation, the Supplier/contractor shall pay and bear and/or reimburse to the Owner such excess custom duties.

c. Imported supplies by Indian suppliers as built in import content where Suppliers/Contractors will become consignee of the goods by filling Bill of Entry for Home consumption

i. Custom duties, Social Welfare Surcharge, IGST, GST Compensation Cess, etc. as applicable in India on the imported materials shall be included in the quoted prices by the bidder (considering the input tax credit of IGST, GST Compensation Cess on imported material) and supplier/contractor shall be responsible for the timely payment of the custom duties to the relevant government authority. All harbor dues/ pilotage fees, port fees, wharfage, unloading costs, demurrage charges etc. incurred in India in respect of any imported goods shall be to supplier's/contractor's account.

ii. Bidder to indicate, in relevant price schedule, CIF value of built-in import content and applicable merit rate of basic custom duty, Social Welfare Surcharge on custom duty (considering the input tax credit of IGST, GST Compensation Cess on imported material) included in quoted price, in the price schedule.

iii. In case merit rate of custom duty is applicable and bids are invited on the basis of same, however at a later stage concessional rate of custom duty becomes applicable, concessional certificate shall be issued towards import of material against the advance request letter submitted by the domestic bidder and the differential custom duties between concessional rate and quoted merit rate of custom duty by supplier/contractor shall be passed on to the Owner or it shall be recovered by the Owner from the supplier/contractor's invoice.

iv. The supplier/contractor shall be responsible for and shall exercise due diligence in properly classifying the goods and materials, undertaking

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the payment of custom duties, and/or otherwise complying with all applicable laws w.r.t. import of the goods and materials.

v. If bidder does not furnish built in CIF value and rates of custom duty, in that case bidder shall not be entitled to claim any variation in the custom duties even if bidder has quoted their prices considering custom duties.

vi. If custom duty rate actually paid on import of materials and components is found to be lower than the quoted rate of custom duty, then benefit of the same shall be passed on to the Owner.

vii. If bidder has considered Import Duty other than Merit Rate of Import Duty then statutory variation on the Import Duty shall be payable extra on the Merit Rate of Import Duty or the rate of Import Duty considered by the bidder, whichever is lower.

viii. In case, no import is made for execution of the order, clauses related to Imports will not be applicable.

d. General points:

i. In case Owner is exposed to any penal action, interest /penalties by the custom authorities for incorrect declaration and / or valuation of the goods or material by the supplier/contractor, or otherwise on account of any breach of applicable laws in the course of the import of the goods and material by supplier/contractor, the supplier/contractor shall indemnify and hold harmless the Owner for any and all costs, expenses or losses suffered or incurred by Owner in this regard

ii. If bidder intends to source import of goods from a country with which India has Free Trade Agreement (FTA) or Comprehensive Economic Partnership Agreement (CEPA) or any such multi-lateral / bi-lateral Agreement or Treaty with India or under Generalized System of Preference (GSP); or under any other notification (allowing lower rate of custom duty), then the bidder is advised to ascertain and confirm its applicability along with supporting documents in the bid and ensure that conditions of such agreement/treaty etc. are strictly complied with.

iii. The bidder shall be liable to provide all documentation to ensure availment of the exemption/waiver. In case the bidder defaults on this due to any reason, whatsoever, he shall be liable to bear the incremental custom duty applicable if any

iv. Any additional custom duty applicability on account of any change in the notification (allowing lower rate of custom duty)/ CEPA/FTA/multi-lateral/bi-lateral trade agreement shall be to bidder's account.

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v. Documentation to be furnished for availing the exemption/waiver of custom duty shall be specifically listed in the letter of credit also as a prerequisite for release of payment against shipping documents and this documentation shall necessarily form a part of shipping documents.

vi. Owner will not bear any liability towards payment of Safeguard Duty, Anti-Dumping Duty, Protective Duty and applicable IGST including GST Cess on same or Countervailing Duty on subsidized articles or any other such duties of Customs imposed by Government under Customs Tariff Act, 1975.

vii. In case custom duty rate as quoted by Foreign bidder is less than Actual rate applicable on due date of submission of last price bid and payment of custom duty is on Owner's Account, differential amount on account of above-mentioned rate variation will be recovered from Foreign bidder.

3. INCOME TAX

a. Foreign supervisors/suppliers/contractors

Prices of site work, contracts and other services of foreign supplier/contractor shall be gross of income tax i.e., inclusive of Indian income tax at the applicable prevailing rate as per Indian Income Tax Act and Rules there under.

Owner shall deduct withholding tax at source (TDS) as applicable while making payments against each invoice. Certificate for TDS shall be provided to the supplier/contractor.

In case foreign bidder quotes Prices of site work, contracts and other services "net of Income Tax" i.e., exclusive of Indian income tax, Owner shall deduct and deposit TDS as applicable after grossing up the sums due while making payments against each invoice at the applicable prevailing rate as per Indian Income Tax Act and Rules thereunder.

Foreign bidder shall furnish the information required in line with the prevalent provisions of Income tax act read with rules thereunder including but not limited to Tax residency certificate, Form 10F, No permanent establishment declaration, No business connection certificate, PAN in India if available.

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Failing to provide above documents/information, tax will be withheld at rates applicable as per the provisions of Income Tax Act, 1961 read with rules thereunder and the benefit of reduced rates will not be given.

If the non-resident is unable to obtain & submit Tax Residency Certificate to the Owner within a reasonable time, the bidder should furnish Form 10F along with an undertaking to the effect that the bidder is a tax resident of (the specified country) and that they shall obtain and provide the tax residency certificate (TRC) to the Owner before 30 days of submission of first Invoice by them or within 3 months from the date of entering into contract whichever is earlier.

In case of contracts with term exceeding one financial year, the relevant documents like TRC, Form 10 F, No PE / Business Connection Certificate etc. as applicable, as per Income Tax Act, 1961 must be submitted at the beginning of each financial year and the Owner will not bear additional tax liability (if any) arising from non-submission of documents.

The bidder shall be liable to intimate the subsequent changes (if any) to the information submitted against any of the above particulars, along with full details.

In addition to the above particulars, the bidder should also provide any other information as may be required at a later stage for determining the taxability of the amount to be remitted to the non-residents.

In case, any additional tax liability arises on the Owner due to any action of bidder like delay in submission / non-submission of information / documents required as above or change in residential status post submission of documents or change in any document (like TRC, Form 10F etc.) after its submission shall be recovered from the supplier/contractor.

b. Indian resident supervisors/ suppliers/contractors

Prices for supply and services of Indian suppliers/ contractors shall be inclusive of income tax.

Tax shall be deducted at source (TDS) by Owner on all sums due to supplier/contractor in accordance with the provisions of Indian Income Tax act read with rules thereunder as in force at the relevant point of time.

Owner shall issue a Tax Deduction Certificate to the supplier/contractor evidencing the tax deducted or withheld and deposited by Owner on

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payments made to the supplier/contractor to enable the supplier/contractor to claim the credit of Tax deducted by Owner.

c. INCOME TAX (General Points):-

i. The supplier/contractor shall also be responsible for ensuring compliance with all applicable provisions of the Direct Tax Laws of India including, but not limited to, the filing of relevant Tax Returns and shall promptly provide all information required by the Owner for discharging any of its responsibilities/liabilities under such laws in relation to or arising out of the Contract. For the lapses/failure, if any, on the part of the supplier/contractor and consequential penal action taken by the Income Tax department, Owner shall not take any responsibility whether financial or otherwise and shall be indemnified by the supplier/contractor.

ii. The Indian Income Tax Act and Rules made thereunder contains provisions permitting deduction of tax at source (TDS) at lesser rate if the supplier/contractor is able to justify to the Income Tax Authorities such lesser rate of deduction. However, a deduction once made has to be deposited by the Owner with the Income Tax Authorities in India and will not be adjustable by the Owner. It is therefore in the interest of the supplier/contractor that prior to release of any payment due to the supplier/contractor under the Contract that the supplier/contractor obtains from the relevant Income Tax Authorities in India, a certificate specifying the rate of deduction/withholding of Income tax at source, failing which, payment to the supplier/contractor shall be made by the Owner after withholding/deduction at the rate as may be applicable to the supplier/contractor as per provisions of Income Tax Act, 1961.

iii. TDS on interest recovered on Mobilization/Other Advance will be deposited by the supplier/contractor and same would be reimbursed by the Owner against submission of Form-16A (TDS certificate).

C. INVOICING METHODOLOGY W.R.T. TAXATION

Following invoicing methodology shall be followed :

1. In case of domestic / foreign PO's (Other than 2 below) , Invoice/E-Invoice shall be raised by the supplier/contractor in the name of Owner and consignee shall be Owner.
2. In case of package MR's (where title transfer or take over is envisaged to take place at site after completion of site work) and tenders, supplier/contractor shall bring material at project site in their own name and they themselves shall be consignee. As per provisions of contract between Owner and

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supplier/contractor, Invoice/E-Invoice shall be raised by supplier/contractor to Owner after charging GST.

D. APPLICABILITY OF TAX CREDIT

MR/tender pertaining to PMC-1 scope: 100% GST input credit is available to owner, except for Sec 17(5) disallowances.

MR/tender pertaining to EPCM-1 scope: 100% GST input credit is available to owner, except for Sec 17(5) disallowances.

MR/tender pertaining to EPCM-2 scope: GST input credit is to be considered as NIL

E. EVALUATION METHODOLOGY W.R.T. TAXES

Following shall be loaded for evaluation:

1. Applicable Custom Duty, Social Welfare Surcharge etc (Non-MOOWR cases)/Present value of deferred import duties (MOOWR cases), (excluding IGST & GST Compensation Cess (if applicable) on imported material which shall be dealt as per bid evaluation methodology given in E2 below) shall be loaded for price bid evaluation in respect of supplies for which bill of entry has to be filed by Owner/in the name of Owner (MOOWR cases).

2. a) GST including GST Compensation Cess (if applicable) on which input credit is not available to Owner [Excluding (b) below]
   (b) Present Value of GST deferred under MOOWR scheme

3. Applicable Income tax, in case foreign bidder quotes prices net of taxes.

Note:

i.) Interest rate for discounting to arrive at the present value of deferred import duties = 12 %

ii.) Project useful life = 25 years

F. TAXATION TERMS FOR INDIAN SOURCED SUPPLIES (Applicable in case of foreign supplier)

Shall be the same as applicable for Indian bidders.

G. TAX IMPLICATION WHERE FABRICATION YARD IS OUTSIDE THE FACTORY PREMISES, WHEREVER APPLICABLE

In case of package MRs and tenders, since contractors/suppliers shall bring material at project site in their own name and raise invoice to Owner (as per payment

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milestone achieved) after charging GST, location of fabrication yard whether inside or outside factory premises will not attract any additional liability.

H. TAX IMPLICATION WHERE OWNER WILL ISSUE FREE ISSUE MATERIAL (FIM) TO CONTRACTORS/SUPPLIERS

Where Owner issues FIM's to suppliers/contractors, material will be released against delivery challan and such FIM shall be received back in factory premises as per provision of GST.

I. STATUTORY VARIATION (IN CASE OF MRS & TENDERS)

No variation on account of taxes and duties, statutory or otherwise, shall be payable to Supplier/Contractor except for the following:

1. GST: If after the due date of submission of last price bid and up to the contractual delivery/completion period , any increase/decrease occurs in the applicable rate of GST, the variation in such GST shall be to Owner's account and shall be adjusted (increase / decrease) to / from the Supplier's/Contractor's invoices based on the documentary evidence.

   Any increase in GST after the contractual delivery/completion period shall be to Supplier's/Contractor's account. However, any decrease in the rate of GST shall be passed on to Owner.

   For calculating Statutory Variations ceiling amount as declared by the Bidder in price schedule shall only be considered.

2. Basic Custom Duty (BCD) & Social Welfare Surcharge (SWS): If after the due date of submission of last price bid and up to the 2/3rd of contractual delivery/completion period, any increase/decrease occurs in the applicable rate of BCD & SWS on materials imported, the variation in such BCD & SWS shall be to Owner's account and shall be adjusted (increase/decrease) to/from the Supplier's/Contractor's invoices based on the documentary evidence.

   Any increase in rate of BCD & SWS on materials imported after the 2/3rd of the contractual delivery/completion period shall be to Supplier's/Contractor's account. However, any decrease in the rate of BCS & SWS on materials imported shall be passed on to Owner.

   For calculating Statutory Variations in BCD/SWS, ceiling amount of CIF Value and rate of custom duty as declared by the Bidder in relevant price schedule shall only be considered.

Note: Indian supplier/contractor to consider input tax credit of IGST and GST Compensation Cess if any (in case of import of raw Materials / components) in their quoted prices. Hence, Statutory variations on same in case of

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imported materials from outside India in Supplier's/Contractor's name (i.e., for Indian Bidders) shall be to Supplier/Contractor account.

3. Any new output taxes, duties, cess, levies notified or imposed after the due date of submission of last price bid but upto the contractual date of delivery/completion shall be to Owner's account. These shall be reimbursed against documentary evidence. However, in case of delay attributable to supplier/contractor, any new output taxes, duties, cess, levies notified or imposed after Time for Completion, defined as above, shall be to supplier's/Contractor's account.

J. TAX INDEMNITY

Any omission/ errors of interpretation of applicability of taxes, duties, cesses and levies, whatsoever named, howsoever named, as are payable to any government, local or statutory authority in India or in any country other than India by the supplier/contractor shall be to supplier's/contractor's account.

If any fine/penalty/any other levy is required to be met by the Owner arising out of any non-compliance/fault/fraud/willful suppression/misstatement of facts/information/documents, whatsoever, of any applicable laws of India or any country other than India by the supplier/contractor/their personnel/sub-contractors/agencies, the same shall be recovered from any amount payable to the supplier/contractor under this contract or under any other contract of the Owner.

If any tax is paid / required to be paid by supplier/contractor in pursuance of any demand of any law enforcement agency/Tax Authority on account of non-compliance/fault/fraud/willful suppression/misstatement of facts/information/documents, whatsoever, of any applicable laws of India or any country other than India by the supplier/contractor/their personnel/sub-contractors/agencies, the same shall be to supplier's/contractor's account only.

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ANNEXURE-B TO SPC

LIST OF BANKS FOR BANK GUARANTEES

Annexure I

List of banks meeting the stipulated criteria as on 02.06.2025

Sr No.	Name of Bank	Category of Banks
1	AU Small Finance Bank Ltd	Indian Bank
2	Axis Bank Ltd	Indian Bank
3	Bank of Baroda	Indian Bank
4	Bank of India	Indian Bank
5	Bank of Maharashtra	Indian Bank
6	Canara Bank	Indian Bank
7	Federal Bank Ltd	Indian Bank
8	HDFC Bank Ltd	Indian Bank
9	ICICI Bank Ltd	Indian Bank
10	IDBI Bank Ltd	Indian Bank
11	IDFC First Bank Ltd	Indian Bank
12	Indian Bank	Indian Bank
13	Indian Overseas Bank	Indian Bank
14	IndusInd Bank Ltd	Indian Bank
15	Karur Vysya Bank Ltd	Indian Bank
16	Kotak Mahindra Bank Ltd	Indian Bank
17	Punjab National Bank	Indian Bank
18	State Bank of India	Indian Bank
19	UCO Bank	Indian Bank
20	Union Bank of India Ltd	Indian Bank
21	Abu Dhabi Commercial Bank PJSC	Foreign Bank
22	Bank of America NA	Foreign Bank
23	Bank of Nova Scotia	Foreign Bank
24	MUFG Bank Ltd	Foreign Bank
25	BNP Paribas SA	Foreign Bank
26	Shinhan Financial Group Co Ltd	Foreign Bank
27	Citibank NA	Foreign Bank
28	DBS Group Holdings Ltd	Foreign Bank
29	Hongkong & Shanghai Banking Co	Foreign Bank
30	JPMorgan Chase & Co	Foreign Bank
31	Mizuho Bank Ltd	Foreign Bank
32	Westpac Banking Corp	Foreign Bank
33	Industrial & Commercial Bank of China	Foreign Bank
34	Credit Agricole SA	Foreign Bank
35	Cooperative Rabobank UA	Foreign Bank
36	Doha Bank QPSC	Foreign Bank
37	Qatar National Bank QPSC	Foreign Bank
38	United Overseas Bank Ltd	Foreign Bank
39	KEB Hana Bank	Foreign Bank
40	Industrial Bank of Korea	Foreign Bank
41	First Abu Dhabi Bank PJSC	Foreign Bank
42	Emirates NBD Bank PJSC	Foreign Bank
43	NatWest Markets PLC	Foreign Bank
44	Bank of China Ltd	Foreign Bank
45	CTBC Bank Co Ltd	Foreign Bank

Note:

1. The above list of banks is based on the credit rating as on date (Source: Bloomberg)
2. In case of any discrepancy/subsequent upgrade in credit rating, user department can contact Treasury for clarification.

ANNEXURE-C TO SPC

PAYMENT TERMS

Annexure-C

PAYMENT TERMS FOR MATERIAL REQUISITIONS

In partial modification of the payment terms as mentioned in the General Purchase Conditions, the payment terms mentioned in Bid Data Sheet shall be applicable.

Further, following to be noted

A. 1ST Milestone payment shall be released only after receipt of CPBG (wherever applicable) Wherever ABG is required to be submitted by the supplier against milestone progress payment, validity of ABG shall be valid till CDD which shall be further extended, as required till last date of receipt of all material at site. However ABG will be released on dispatch/ receipt of material at site (as applicable).

B. Prorata payments shall be applicable on dispatch of equipment. In case of equipment, prorate shall not be done on part of equipment.

C. In case of indigenous SUPPLIERs, wherever taxes/duties are separately indicated, the order value shall be exclusive of taxes/duties. 100% payment of GST shall be paid on receipt of GST invoices.

D. Payment to indigenous SUPPLIERs shall be released through Electronic Clearing System (ECS) and to foreign SUPPLIERs, payments other than against shipping documents, i.e., for Site Work and Supervision/Training etc. shall be through wire transfer.

E. Uploading of and Tracking of invoice in BPCL invoice portal:For details, **refer Annexure-H** to SPC

F. For payment to Foreign suppliers: L/C shall be established in favor of the supplier in a bank in his country, for an appropriate amount (in line with Payment Terms). L/C shall be opened within 45 days of receipt of acknowledgement of LOA/PO and receipt of CPBG (wherever applicable). In case confirmed L/C is insisted by supplier, L/C confirmation charges shall be to supplier's account.

G. All payments (other than through L/C) shall be released within 30 days of receipt of invoice and all requisite documents, complete in all respects.

H. All bank charges of respective bankers shall be to respective account.

I. Supplier shall submit Billing Schedule within three weeks after placement of LOA/PO (whichever is issued earlier) for EIL/OWNER's approval (wherever applicable). Suppliers requiring multiple dispatches will restrict the number of dispatches to maximum Three, unless agreed otherwise by Project Manager.

K. In case site front is not available up to 6 (Six) months (wherever site work is applicable), after receipt of all supplies at site, the payment against the site work shall be released on submission of additional Bank Guarantee of equivalent amount valid for 1 (One) year or such extended period as may be required

L. Certification for placement of sub-order and/or identification of major raw material, in the above payment terms, shall be carried out by the nominated Inspection agency.

M. Wherever the payment provision is there against ABG, and Vendor is not seeking payment against these milestones, those milestone payment shall be released along with milestone of despatch/ receipt of material at site without seeking any ABG for earlier milestone payment.

N. In case of high value Contracts for sophisticated Equipment/ Machinery, if domestic supplier insist payment through LC, this may be considered provided Loading provision is included in Bidding Document.

ANNEXURE-D TO SPC

TERMS & CONDITIONS FOR SUPERVISION OF ERECTION, TESTING & COMMISSIONING / TRAINING AT SITE/HAZOP

Terms & Conditions for Supervision of Erection, Testing & Commissioning / Hazop / Training at Site

1. The quoted per diem rate shall be deemed to include all related expenses, including but not limited to domestic travel, local conveyance, accommodation, meals, medical, all insurances including Bidder's personnel and third-party insurance and all other incidental charges, and compliance with applicable statutory requirements pertaining to the deployed personnel. No additional reimbursement shall be payable under any head unless expressly provided for elsewhere in the Contract.
2. Per diem charges shall be payable from the day bidder's person reaches site upto the day he leaves the site. No payment will be made for travel days/period.
3. In case bidder's representative takes leave, per diem charges for that day shall not be payable.
4. The Bidder shall quote an all-inclusive per diem rate for the aforesaid services, based on a standard working day of ten (10) hours. The per diem rate shall be uniformly applicable to working days, weekly offs, and public holidays on a pro-rata basis. Any work performed beyond ten (10) hours in a day shall be compensated on a pro-rata basis calculated from the quoted per diem rate. Payment shall be made strictly for the actual number of days personnel are present and working at the site; no payment shall be made for travel time.
5. Selection of Foreign/ Indian supervisory personnel shall be left to Owner's/Purchaser's choice.
6. Vendor's supervisory personnel shall observe/abide by site working conditions prevailing at the existing site, safety codes, Indian laws and local laws.
7. A notice period of 15 days will be given for mobilization of supervisory personnel for supervision of erection.
8. Validity period of per diem rate shall be upto the end of guarantee period. Further, in case services for supervision are required after the guarantee period, 5% annual escalation shall be applicable.
9. Payment Terms: Refer Bid Data Sheet / Annexure-C to SPC.
10. **Requirement of Employment Visa for Foreign Nationals**

    All foreign nationals coming to India for execution of Projects / Orders will have to apply for Employment Visa only and that grant of Employment Visa would be subject to strict adherence of following norms:

    i) Employment Visa is granted only for the skilled and qualified professional or to a person who is being engaged or appointed by a company, organization, Industry or undertaking etc. in India on contract or employment basis at a senior level, skilled position such as technical expert, senior executive or in managerial position etc.

    ii) Request for employment Visa for jobs for which large number of qualified Indian are available, is not considered.

    iii) Under no circumstances an Employment Visa is granted for routine, ordinary secretarial / clerical jobs. Bidders are advised in their own interest to check latest Visa rules from Indian Embassy/ High Commission in their country in case foreign nationals are required to be deputed to Indian during execution of the Order.

Signature with Name & Date and

Seal/Stamp of the Bidder

ANNEXURE-E TO SPC

Terms and Conditions for Post Warranty Annual Maintenance Contract

Terms and Conditions for Post Warranty Annual Maintenance Contract

1. Bidder to quote for the Post Warranty Annual Maintenance Contract as per scope defined in Material Requisition (MR) / Technical portion for no. of years as specified in MR / Price Schedule. Bidder to furnish the Lumpsum Price as per the Price Schedule.

2. The AMC Charges quoted in Price Schedule Format shall be inclusive of all the charges for Transportation, Lodging, Boarding, all insurances including third party insurance,and all other incidental charges etc. Owner will not have any liability, whatsoever, over and above the quoted prices.

3. Payment terms shall be as specified in Bid Data Sheet (BDS) / Annexure-C to SPC.

4. The order for AMC will be placed before the expiry of contractual Warranty Period. The price of AMC services will remain firm & fixed for the complete execution of AMC contract. In case there is delay in start of AMC from the date of expiry of warranty period, the charges shall be paid on prorata basis for the duration curtailed from original specified AMC period.

5. Within 2 weeks of placement of Order for AMC, Seller shall submit CPBG for 5% of the Maximum annually AMC amount which shall be valid for the entire AMC period plus 6 months claim period.

6. Periodic and Preventive maintenance: Vendor shall depute their engineers to installation site as & when required for regular checkups, as part of periodic maintenance. Vendor shall also depute their service engineers periodically for preventive maintenance, major repairs / replacement and reporting. Price shall also include emergency visits as necessary.

7. Scope of AMC shall be as per MR/ Technical portion. The quoted lump sum rate shall include providing all manpower, machineries and materials required to carry out the work as per scope of work of AMC defined in the MR.

ANNEXURE-F TO SPC
TERMS & CONDITIONS FOR SITE WORK

TERMS & CONDITIONS FOR SITE WORK

1. The Vender shall perform their jobs in eco-friendly manner and in consonance with the objectives of BPCL Refinery environment management system.
2. Since, it is an existing Complex with various units in operation; the proposed site has constraints of space availability, restriction in movement of over dimensioned / overweight consignments both within & outside the project site. Further, construction / erection work for several other project facilities at various locations within refinery site will be progressing concurrently. It will be the responsibility of vendor to seek approvals from the Owner for working within & outside the refinery limits and also of taking all suitable safety measures as per regulations in force for the safety of existing-refinery.
3. The material shall be collected by the vendor from owner's stores/Project Site/vendor's own stores (as the case may be) and transported to the erection site at vendor's cost and risk.
4. All labour (both skilled and unskilled), tools, tackles and consumables, shall be arranged by Vendor at his own cost.
5. Vendor shall arrange for the necessary transport, accommodation, medical, canteen and other facilities for their employees/staff at their own cost and abide by all labour laws, safety codes and statutory regulations and keep Owner indemnified in respect hereof.
6. The Vendor is responsible for keeping his work place neat and clean and shall always avoid scattering of any materials around the work place. The Vendor shall clear the work site of all debris, materials, tools, tackles etc. immediately upon completion of the job. Any temp. Line/cables etc. laid for the purpose of execution of a particular job shall be immediately removed to an agreed location and the site cleared off all such materials.
7. The Vendor shall not throw out gaskets, used electrode pieces, hand gloves, cotton wastes, gunny bags, polythene bags etc. into open channel, any drains or pipe line system. These are to be collected together and deposited in bins/waste collectors earmarked for the purpose of disposal after consultation with Engineer-in-Charge.
8. Construction Power shall be provided by BPCL free of cost only within BPCL BPREP Premises and area/ land allotted by BPCL to vendor. The free power shall be provided at designated locations only. Vendor to make all necessary arrangements for taking the power to their required locations.
9. Construction Water shall be provided by BPCL free of cost only within BPCL BPREP Premises. In Hadkal area, there are few Borewells available. The free water shall be provided at designated locations/ borewells only. Vendor to make all necessary arrangements for taking the water to their required locations.
10. Crane, if required shall be in the scope of vendor, unless otherwise specified in Material Requisition.
11. As per the applicable Factory Act the Labour License if required, shall be taken by Vendor before starting the works.

RFQ NO:
ITEM:
OFFER NO:

VENDOR'S SIGNATURE & DATE:
NAME
DESIGNATION

PERSONAL PROTECTIVE EQUIPMENT (PPE) POLICY

We at **Bina Refinery(BR), Bharat Petroleum Corporation Ltd (BPCL)** are committed to achieve safe work environment by providing quality **Personal Protective Equipment (PPE)** as per the identified Hazards. Refinery operation is inherently hazardous in nature due to the processes involved and the large inventories of hydrocarbon stored in the premises. Petroleum Refinery poses great risk of fire, explosion and release of toxic materials due to the characteristics of its raw materials, intermediates and final products and the high operating temperature / pressure involved in the plant operations.

The purpose of the **Personal Protective Equipment Policy** is to protect the employees and service providers of BPCL BR from exposure to workplace hazards and the risk of injury.

To achieve the above objective, everyone shall adhere to the followings:

- ✓ **5–Mandatory PPEs** (Boiler suit / Duster Coat, Safety Shoes, Safety Helmet, Safety Goggle and Safety hand gloves) shall be used by all employees as well as Service Providers / Visitors while entering the operation area which is beyond the car parking area.
- ✓ **Mandatory PPEs** shall be used in **Workshop and Warehouse** storage areas also.
- ✓ **Flame Resistance Clothing** with inherently flame resistance fabrics shall be used for the Boiler suit / Duster Coat for the employees.
- ✓ For Service Providers working inside refinery operation areas like, Maintenance / Electrical / Instrumentation / other O&M service providers should preferably use minimum **Chemically treated flame resistance** boiler suits.
- ✓ Encourage use of **Cotton / Flame resistance Winter wear** by all employees and service providers. Winter wears using woollen / synthetic fabrics to be avoided.
- ✓ Employees in the rank of Chief Manager and above shall wear Duster Coats, while Sr. Manager and below shall wear Boiler suits. Duster Coats shall not be allowed to Service providers.
- ✓ In addition to above, **Job Specific PPEs** shall be used as per Hazard Identification and Risk Assessment. **Job specific PPE matrix** shall be followed as indicated in Common Procedure Manual for PPE.

Date: 08th Sept' 2023
Place: Bina

Chacko M Jose
Executive Director-BR

Chapter 3: Contractor's HSE Guidelines:

1	**PURPOSE:**	The purpose is to outline BPCL's Safety Guidelines for Contractors. These guidelines are not to be considered as a substitute for the applicable government regulations.
2	**SCOPE OF APPLICATON:**	This procedure shall be applicable to all BPCL Facilities. These includes, but not limited to: a) Refinery Complex b) Bina Dispatch Terminal (BDT) c) Crude Oil Terminal (COT Vadinar)
3	**CROSS REFERENCES:**	ISO 45001:2018, Factories Act 1948 & Madhya Pradesh State Factory Rules, 1962
4	**PROCEDURE:**	

PART "A": BPCL OBLIGATIONS

1.0 HSE Consideration in Selection of Contractors:

1.1 The user plant sends request to Commercial about the requirement of the contractor for any work/job. Commercial/User will locate the vendors/ contractors and suitable contractors are short-listed after technical scrutiny/ recommendation as per the prevailing procedures. Commercial will award the work order for the job as per existing SOP.

1.2 Contractor's past HSE record (minimum 2 years) shall be given due consideration, together with the technical competence. Following stages are considered while selecting & registration of new contracting agencies and awarding contract to any job.

1.2.1 Pre-selection stage:

i. During pre-selection stage, contractor's suitability for a specific type of work is assessed in a preliminary way. HSE should be one of the prime considerations in such assessment.

ii. Pre-selection involves establishing a list of approved contractors (the approved list). The contractors who are included in this list can be invited to submit an offer for a contract. HOD User Department / Engineer In Charge or his/her representative shall ensure that the contractor fulfills requirements pertaining to HSE before including his name in approved list.

1.2.2 Tendering and contract award stage:

i. In the tendering process, the contractor will have to include in its cost estimation, all items necessary for complying with health, safety and

environmental aspects. It is therefore essential that while inviting a contractor to submit an offer, he ensures understanding of the scope of work completely including general and specific HSE requirements, so as to enforce the required level of HSE performance during execution stage.

ii. Since all contractors, who have submitted offers, are screened in the pre-qualification stage, they are assumed to be capable of meeting the HSE requirements of the company. However, the aim should always be to achieve a high level of HSE performance in the execution of the contract, and hence the HSE aspects of each of the contractors should weigh equally amongst the other key items like cost, quality and time for making the ultimate choice.

2.0 BPCL Responsibilities

2.1 Responsibilities of BPCL Management:

2.1.1 To provide specific information to contractors and make workers aware of the hazards associated with job assigned.

2.1.2 To provide information about risk mitigation measures available at the workplace.

2.1.3 To provide the contractor with information on BPCL safety procedures, confined space entry, work permit system, Emergency Response & Disaster Management Plan etc.

2.1.4 To ensure training of the contractor workforce, medical examination, and proper usage of safety equipment.

2.1.5 To arrange for a multi-disciplinary safety audit team to conduct regular safety audits and monitor the implementation of the recommendations.

2.2 Responsibilities of Procurement Department:

2.2.1 Procurement will receive the request mentioning all the job details including special HSE requirement, if any from the concerned plant/ Dept. HOD and locate the suitable contractor.

2.2.2 Shall consider the performance of the contractor on compliance of HSE procedures as per the feedback given by the concerned Plant/Department/F&S for floating tender enquiry.

2.2.3 Shall advice / warn and if required terminate and de-list the contractor for violation of HSE procedures on recommendation of the EIC / User.

2.3 Responsibilities of Plant/Dept. HOD:

Although the contractual obligation for HSE of contractor's activity rests with the contractor, the HOD of concerned Plant/ Dept. shall also oversee that the contractor's supervision is in line with the HSE requirements applicable to the work and the hazards associated with that work.

2.4 Responsibilities of F & S Dept.:

2.4.1 Conduct safety induction, mandatory/ special fire & safety training for the contractor's supervisors and workers.

2.4.2 Ensure Investigation of all the incidents.

2.4.3 Conduct audits/inspections and suggest Contractor for improving the HSE standards of Contract employees.

2.4.4 Advises procurement department to warn / terminate the contractor if HSE procedures are violated.

2.5 Responsibilities of Engineer Incharge:

2.5.1 It is the responsibility of engineer incharge to ensure that BPCL HSE requirements are fulfilled by contractors/ sub-contractors.

2.5.2 The engineer in charge must see the past HSE record of all contractors/ subcontractors before awarding the work order.

2.5.3 The engineer in charge must ensure that the contractor employees have undergone safety induction, mandatory/ special F&S trainings.

2.5.4 The engineer in charge shall ensure that contractor's employees must wear mandatory/ job specific personal protective equipment.

2.5.5 The engineer in charge should ensure that incidents are reported/ entered in IRIS portal.

PART "B": CONTRACTOR'S HSE GUIDELINES

1.0 Introduction:

BPCL believes that all the manufacturing and related activities should be conducted in a safe way to ensure the safety of people working in its premises.

It is to be ensured that contractors, who work for BPCL, comply with HSE standards as per the company's policy and observe safe practices & procedures at work to protect health and safety of their employees and others.

Safety of the contract personnel needs enhanced focus due to constant change of persons leading to lack of awareness. Statistics and experience show that an additional benefit from improved HSE performance leads to overall effectiveness in the execution of contract work.

In particular, the contractor has an independent responsibility for his own HSE performance. BPCL is responsible for clearly communicating its HSE requirement to the contractor and for monitoring the contractor's performance with respect to HSE. HSE standards of the contract employees should be in line with the BPCL employees and any violation observed will be dealt with strictly (including termination of the contract).

These guidelines are applicable to all contracting agencies, O&M operators, other service providers, etc. who work for Bharat Petroleum Refineries Limited.

1.1 Definitions:

Owner / Company shall mean Bharat Petroleum Refineries Limited.

Agreement shall mean the contract agreement between owner and contractor for activities assigned to the contractors.

Contractor shall mean the person/persons, firm or company whose tender has been accepted by the Competent Officer of BPCL or contractor's legal Representative/ his successors and permitted assignee/sometimes engaged in job on verbal instructions, due to exigency/emergency etc.

Engineer – in – charge shall mean the person authorized by the Competent Officer of BPCL to whom contractor or his/her employees report to for work instruction.

Contract shall mean the totality of the agreement between the parties as derived from the contract documents.

2.0 HSE Aspects of the Contract:

In addition to the usual features of a contact there shall be a separate clause dealing with the contractor's compliance with Health, Safety and Environmental requirements. The sub-contractors if engaged shall follow all the HSE requirements of BPCL applicable to main contractor.

2.1 HEALTH: OCCUPATIONAL HEALTH REQUIREMENTS

2.1.1 MEDICAL FITNESS

i. Before planning the posting of the worker to BPCL, the concerned supervisor shall have a general overview that the person is not physically or mentally incapacitated for the planned job.

ii. The contractor shall arrange the medical examination of the workers as per the BPCL policy.

iii. The contractor shall produce the certificate of medical fitness of the worker at the time of gate pass application on the format as required by BPCL.

iv. The contractor shall ensure the compliance to the completion of the various specific medical examinations (SME) as per the BPCL policy. At present the SME is required for the following jobs

- Confined space entry (Specify if inert space entry)
- Work at Height
- Work in SRU
- Work in CPP
- Work in High Noise Area
- Canteen work
- Operation of a crane, locomotive or fork-lift truck, or to give signals to them
- Driving (other than specified in clause1.4.7)
- Work at White oil gantry or Railway Gantry of BDT

v. The contractor shall ensure compliance to the Form-32 medical examination for

- Confined space entry ,

- Work at Height (>30 Meters)
- Any specific job as suggested by Fire &Safety dept.

vi. The contractor shall ensure that the posting of the workers in the jobs requiring SME or Form-32 shall be in accordance with the fitness status in the medical examination.

vii. The contractor shall follow-up with the workers for the medical recommendation as suggested on the medical fitness certificate / Form 32.

viii. The contractor shall ensure timely renewal of the medical certificate, that is within one year for:

- Periodic Medical Examination for all the workers (if not specified)
- Confined space entry (Specify if inert space entry)
- Work at Height
- Canteen work
- Operation of a crane, locomotive or fork-lift truck, or to give signals to them (age < 45 years)
- Driving (other than specified in clause 1.4.7)
- Work at White Oil Gantry or Railway Gantry of BDT
- Six months for:
- Work in SRU
- Work in CPP
- Work in High Noise Area
- Operation of a crane, locomotive or fork-lift truck, or to give signals to them (age > 45 years)

ix. The cost of all these medical examinations (if any) should not be directly or indirectly recovered from the workers & shall be borne by the contractor company.

x. In case of any medical related dispute BPCL will be the final authority to arrive at a decision.

2.1.2 WORKPLACE INJURIES / EXPOSURES

i. The contractor shall periodically educate, train, motivate & supervise the workers at the opportunities of tool box talk or during the job on the possible health hazards, risks involved in the job & the good safety practices for prevention of such workplace injuries / exposures.

ii. The contractor shall ensure that in case of any such incident, the person is sent to Occupational Health Centre (OHC) along with his/her supervisor for the treatment & the documentation.

iii. The contractor shall cooperate, arrange & ensure that:

iv. The injured gets the complete treatment as advised,

v. The injured gets the medical attention on the recommended frequency at the govt. approved hospitals / clinics.

vi. The person is brought to the OHC for fitness certificate in all (except the First Aid cases), for the medical examination & fitness, before resuming the duties.

vii. The injured gets all required rehabilitative care.

2.1.3 HEALTH PROMOTION ACTIVITIES

The contractor shall ensure that the workers actively participate in all the health promotional activities as & when organized / supported by BPCL.

2.1.4 Disclosure

The contractor shall disclose any such important medical information he has, to the medical facility at BPCL in writing, if any of his workers has any potential or recognized significant health hazard to the health of the worker / his colleagues.

2.1.5 IMPROVEMENTS

The contractor shall periodically update his supervisors & the workers about the prevailing medical related requirements at BPCL.

2.2 Safety Guidelines for Contractors/ Sub-Contractors:

2.2.1 Responsibilities

i. The contractor shall be fully responsible for supervision of its personnel to ensure that they strictly adhere to all applicable Safety requirements.
ii. The contractor shall appoint one of its personnel on the work site as a Safety Representative.
iii. The contractor's Site Manager on site shall be responsible for coordinating the contractor's safety activities.

2.2.2 Alcohol and Drugs

The contractor shall ensure that any time during the performance of the work his personnel are not under the influence of any alcoholic liquor, drug or other intoxicating substances.

2.2.3 Conduct of Contractor's Personnel

The contractor shall instruct his personnel to comply with the following:

i. No one shall enter any part of the complex, including the work site except for undertaking the work assigned.
ii. Smoking is strictly prohibited. Anybody found smoking would be immediately removed from the complex. Such a person shall be barred from working for any other contractor employed by BPCL.
iii. No fire or naked light, matches, cigarette lighters or any apparatus that can cause ignition, shall be allowed in the complex.
iv. Personal Protective equipment shall be used and worn in accordance with the safety procedure.
v. It is essential that good housekeeping is maintained throughout the period of any work, both at work site and around any temporary building. The working area shall be kept tidy at all times, escape and other access ways shall be kept clear of objects.

vi. Safety equipment shall be kept in an accessible place. Scrap/surplus material shall be removed daily, cleaning up only at the end of the job is not considered sufficient.

vii. Spillage of oil or chemical shall be cleared up immediately in view of the fire hazard, slippery surfaces, toxic substances etc. Appropriate safety precaution shall be taken during the cleaning up. While returning permit, acceptor will certify housekeeping and issuer will check the same before signing the permit.

2.2.4 Equipment supplied by Contractor

The contractor shall provide and operate his equipment in compliance with the BPCL Procedures. Maintenance and use of equipment should be as per the standard practice and it should not create any hazard during the use. Contractor should deploy skilled workmen for operating the machine.

Contractors to inspect tools/tackles at quarterly interval and necessary records are to be maintained as per company format. Engineer In-charge will carry out random audits to ensure system compliance.

2.2.5 Personal Protective Equipment

i. The contractor/ sub-contractor shall supply following mandatory personal protective equipment to its all employees & supervisors:

S No.	PPE Type	Specification	Quantity	Frequency
1.	Safety Helmet	EN:397, IS:2925	1	Yearly
2.	Safety Goggles	EN:166, ANSI: Z 87.1	1	Quarterly
3.	Safety Hand Gloves	Polka Dotted	2 Pairs	Weekly
4.	Boiler Suit	Cotton	3 Sets	Yearly
5.	Safety Shoes	EN-345, IS:15298	1 Pair	Yearly
**Note: No Contractor shall use red colour boiler suits and helmets inside the premises other than the firefighting crew. ***Note: The service provider shall obtain approval from F&S department before selecting colour of coverall and helmets.				

ii. The contractor/ sub-contractor shall also provide following PPEs as per job requirements such as but not limited to:

SN	PPE Type	IS/EN/EU	Quantity	Frequency
1.	Ear Plug (Ear Muff on need base)	EN 352-2, ANSI: Z3.19, EN-352-1	1	Monthly
2.	Dust Mask	IS:9473,EN-149	2	Weekly
3.	Full Body Harness with double lifeline	IS: 3521	Job Specific	Need Base
4.	Face Shield	EN:166.1.B.3.9	Job Specific	Need Base
5.	PVC/Nitrile/Rubber gloves (For Chemical/Civil Jobs)	EN-374-(JKL) AND EN-388-CE, EN-374-CE	1 Pair	Weekly
6.	Gum Boots (Civil Jobs)	EN-345	1 Pair	Half Yearly
7.	Leather Gloves for Welders	CE-0493	1 Pair	Monthly
8.	Leather Apron	EN-398, EN-407	Job Specific	Need Base
9.	Helmet mounted welder's shield	IS:2925 ,EN-166	1	Yearly
10.	Chemical Splash Goggles (need base)	ANSI: Z 87.1	1	Quarterly
11.	Over Spectacles Goggles (need base)	EN-166, EN-170, EN-172	1	Quarterly

iii. The contractor/ sub-contractor shall ensure that the quality of PPE's is maintained as per BPCL guidelines. Contractor/ sub-contractor is responsible for providing personal protective equipment to their employees as per above specifications, quantity & frequency.

iv. The contractor/ sub-contractor shall ensure that personal protective equipment is maintained in good condition and shall be worn as per the requirement.

v. All the PPE should be available while working and proper supply to be ensured by the contractor for routine wear and tear/loss.

vi. Use of PPE is mandatory and any violation of the same shall be penalized.

vii. Contractor shall provide contractor's employees with the mandatory personal protective equipment and the personal protective / safety equipment as specified in the work permits. The contractor shall also provide additional PPE, if instructed for safe execution of the job.

viii. Contractor's PPE and other safety equipment shall conform to BPCL specifications and sample shall be approved by BPCL safety representative before procurement. Sufficient stock of mandatory PPEs shall be kept and maintained at site.

ix. Contractor employees and employees of Subcontractors shall wear safety helmet and coverall of the same color with logo/emblem of the main contractor.

x. Contractor employees should be trained in proper use and maintenance of PPE.

xi. The damaged PPE shall be periodically replaced with new ones.

2.3 ENVIRONMENT:

2.3.1 The contractor shall perform their jobs in an eco-friendly manner and in consonance with the objective of BPCL Environment Management System. The contractor shall inculcate environmental awareness among their workmen/personnel and strive for enhancement of systems and skills for minimizing the environmental impact out of their activities/services.

2.3.2 The contractor shall avoid wastage of water, compressed air, electric power, steam, etc. supplied to them from owner's source of supply for execution of the job.

2.3.3 The contractor shall ensure that while carrying out Modification/Repair/Replacement jobs of any equipment or pipeline, the spillage of Hydrocarbon, Oily Sludge etc. are cleaned and routed to nearby OWS, at regular interval as well as after completion of jobs.

2.3.4 Before attending any blinding/de-blinding jobs, during pipeline transfer operation all tools, tackles &spares shall be kept ready at site in order to minimize Hydrocarbon spillage.

2.3.5 Should there be a discharge or escape of appreciable quantity of pollutants or contaminants during performance of its obligations under this Contract which occurs as a result of activities of Contractor or its sub-Contractor, the Contractor shall immediately take all action necessary to contain, control, recover or disperse the substance and to eliminate the safety and environmental risks and correct the damage resulting there from.

2.3.6 The contractor shall clear and level the work site and remove all metallic and nonmetallic surplus materials, scrap, debris and other waste materials generated out of his job, from time to time as well as after completion of job. The contractors shall not throw away cut gaskets, used electrode pieces, hand gloves, cotton bags, polythene bags, etc., into open channel drains or pipelines system. They are to be collected and to be deposited in bins/waste collectors earmarked for the purpose or disposed off in the areas as per the direction of Engineer-in-Charge. The contractor is responsible for keeping his place neat and clean. Also all temporary office shall be maintained in a healthy and hygienic condition.

2.3.7 Contractor shall return all surplus materials & scrap to the owner's stores.

2.3.8 Contractor's vehicles, trucks, tractor, cranes and other portable equipment e.g. Air Compressor, DG Set, Dewatering Pumps etc. used inside refinery premises (where Hydrocarbon is used as fuel) for execution of the job must be mechanically sound and have an exhaust complying pollution norms. The contractor shall ensure to avoid idle running of vehicles and equipment used for execution of the job.

2.3.9 Contractor shall comply all the applicable rules and regulations as per MoEF guidelines while working/ handling equipment inside refinery premises.

2.3.10 Special precautions and personal protection shall be taken as per refinery HSE procedures during the following jobs:

i. Handling of Hazardous Chemicals, Gases & Materials etc. (e.g. Spent Catalyst/Clay/Carbon/Resins, Acids, Chlorine, Ammonia, Pyrophoric Iron, etc.).

ii. Working in presence of Suspended Solids (e.g. Catalyst, Refractory, Sand, Dust, etc.)

iii. Cleaning/handling of Oily Sludge.

2.3.11 BPCL, Bina is having **"QUALITY, ENVIRONMENT, OCCUPATIONAL HEALTH AND SAFETY (QEHS) POLICY." Please refer Annexure I.** Contractor/ Sub-contractor will educate their personnel working inside the refinery w.r.t. QEHS Policy of the refinery and all out efforts shall be made for compliance to the above policy.

2.3.12 For contracts related to construction related activities, the contractor to use only fly-ash based products for building materials and road embankment, such as cement or concrete, fly-ash bricks/blocks/tiles, clay fly-ash bricks/blocks/tiles or cement fly-ash bricks/blocks/tiles or similar products in combination or in aggregate of them in every project in line with MoEF gazette notification.

2.3.13 For contracts related to solid material handling such as fly ash, pet-coke, coal, limestone, sulfur, etc., the contractor is required to take all necessary precautions so as avoid the dusts getting air borne or spillages on roads & drains, etc. during transportation and handling of the same. Precaution during transportation may include use of enclosed vehicles, proper covering of the consignment with tarpaulin, water sprinkling, etc. as suitably directed by Engineer-in-charge.

2.3.14 For activities related to generation & handling of E-Waste, spent lead acid batteries & contaminated chemical drums the contractor is required to ensure the handling of the same is carried out in line with related refinery Environment dept. guidelines.

3.0 ADMISSION TO BPCL PREMISES

3.1 ENTRY IN REFINERY PREMISES

CONTRACTOR shall allow only its employees, Subcontractors, and suppliers directly connected with the work, to enter BPCL premises only after attending necessary safety induction training endorsed by F&S.

3.2 VEHICLES AND PARKING

3.2.1 Contractor shall furnish transportation for all of Contractor’s employees from the designated entry gate to the job site and return. The BPCL Representative will designate the routes and parking areas to be used by Contractor's vehicles in BPCL premises. Contractor shall observe all of the BPCL’s traffic regulations at all times while in the refinery and other BPCL premises.

3.2.2 All Contractors owned, rented, or leased vehicles or equipment (i.e. air compressors, generators, welding equipment, forklifts, cranes, etc.) entering the Refinery and other BPCL premises shall be properly identified and has a valid Safety Certificate and Gate Pass. Only vehicles required for execution of work are allowed in the Refinery and other BPCL restricted premises; all other vehicles shall be parked outside the Refinery or BPCL restricted premises.

3.2.3 A safety clearance from F&S dept. is required to all the vehicles entering in BPCL operational area. The timings of vehicle inspection is from 09:00 AM to 11:00 AM.

3.2.4 The contractor shall comply with all points of checklist given in **Annexure II** of safety inspection of vehicles before coming for inspection.

3.3 TRAFFIC REGULATIONS

All traffic signs, signals, and road markings must be obeyed. Unless otherwise posted, the speed limit in BPCL facilities is 30 KMPH. In all cases, the low posted speed limit shall govern.

4.0 SAFETY RULES AND PROCEDURES

4.1 SMOKING AND CARRYING OF MATCHES / LIGHTERS

Smoking is prohibited in all BPCL Areas. Carrying of matches and lighters into Refinery premises is prohibited. Violators will be refused entry into the restricted area and shall be dealt administratively as violation. Contractor shall be responsible for strict adherence to these regulations by contractor's employees or the employees of contractor's sub-contractors.

4.2 BATTERY OPERATED AND ELECTRICAL ITEMS

Non-intrinsically safe battery operated items e.g. flashlights, mobile phone, pagers, personal monitors, etc. are not permitted inside the operational area. Electrically operated tools & equipment should be suitable for use as per the area classification and should be certified by BPCL electrical dept.

4.3 FIRE FIGHTING EQUIPMENT

Contractors shall furnish all portable fire extinguishers and safety equipment required at construction sites during construction. The fire extinguishers shall be certified by BPCL Fire & Safety dept. and proper tag / sticker shall be provided by the contractor. The firefighting equipment shall be regularly inspected & maintained.

Contractors shall not use, alter, or move BPCL firefighting equipment. Firefighting equipment shall be accessible at all times.

4.4 SCAFFOLDING AND LADDERS

4.4.1 All scaffolds shall be erected by competent and qualified personnel and shall conform to requirements of BPCL guidelines and safe work practices for scaffolds and ladders. These requirements include the mandatory inspection, tagging, approval, and certification of erected scaffold before use.

4.4.2 Contractor's scaffold material samples shall be approved by BPCL prior to procurement. Scaffolding should be regularly inspected by competent person & provided with inspection tag.

4.5 USE OF RADIOACTIVE MATERIAL

4.5.1 Only authorized personnel holding valid 'Radiation Work Permit License' issued by BARC shall handle radioactive material.

4.5.2 Contractor shall comply with all safety precautions and requirements as specified in relevant clauses of BPCL procedures and guidelines.

4.5.3 Contractor shall ensure that the following basic rules are strictly enforced:

i. The ionizing radiation source shall not be left unattended.
ii. Radiation film badge dose meter shall be used.
iii. The exposure area shall be clearly identified, barricaded by rope or other effective means and radiation warning signs posted.
iv. Contractor shall coordinate with BPCL Inspection\ Instrumentation Representative to ensure that, the Dose Rate at the barricade does not exceed 0.25 milirems per hour.
v. Contractor shall ensure availability of radiation meter at work site of radiography
vi. Contractor shall give 12 hours' prior notice to Engineer incharge Inspection \ Instrumentation before starting any radiography work inside refinery.

4.6 COMPRESSED GAS CYLINDERS

4.6.1 Contractor shall comply with the BPCL requirements for storing, handling and using of compressed gas cylinders.

4.6.2 Cylinders which are approved by PESO should only be allowed to use in refinery complex.

4.7 ROAD CLOSURES

4.7.1 No roads shall be barricaded or blocked in any way without written approval from the BPCL's representative & F&S dept. Use of a flag man is required to direct traffic around congested areas. Road workers and workers on roadsides shall wear reflective coverall or jacket.

4.7.2 Barricades, temporary walkways, signs, etc. should be provided for the safety of pedestrians and roadside facilities. Barriers shall be equipped with reflectors or lights so that it is readily visible at night.

4.8 VEHICLE / EQUIPMENT SAFETY CERTIFICATE

4.8.1 All vehicles and engine driven equipment entering BPCL premises require a 'Safety Certificate' as such, contractor should meet the following general requirements:

4.8.2 CONTRACTOR'S Vehicle or mobile equipment shall be in good condition and meet the requirements of 'Vehicle and Equipment Safety'. The number of vehicles/ mobile equipment shall be kept to the minimum essential for the site personnel and work requirements.

4.8.3 Contractor's vehicle or equipment shall be provided with the appropriate type and size of fire extinguisher certified by BPCL Fire & Safety dept.

4.8.4 An approved type of spark arrestor shall be fixed to the exhaust of equipment and vehicles entering hazardous area. Pool cars or buses shall not be allowed to enter hazardous area. Mobile equipment, lifting appliances and vehicles to load or unload material shall only be allowed with work permit and prior authorization.

4.8.5 In addition, contractor's lifting equipment shall have a valid load test certificate from a BPCL approved third party. Safety valves on mobile equipment shall also be third party certified.

4.9 WELDING AND CUTTING

4.9.1 Contractor should obtain a Hot Work Permit prior to any welding works in BPCL premises and all requirements pertaining to hot work shall be strictly enforced. Only a BPCL approved type of Welding Blanket shall be used.

4.9.2 When welding work is carried out in a workshop or any similar location classified as a permit free area, which is approved by CGM (Mfg.), a work permit is not required but the work shall be adequately supervised. The work area shall at all times be kept clean of combustible and flammable material.

4.10 WORK PERMITS

4.10.1 As a general principle, no work in the BPCL premises can be carried out unless authorized by appropriate work permit, except those specified in the BPCL Guidelines and Procedures for Work Permit System. The nature of work may also require additional permission, such as permission for radiography & Excavation.

4.10.2 Contractor shall obtain appropriate written work permit (and additional permission if required) through its BPCL representative before starting any work and an approved copy of the permit must be available at the job site.

5.0 CONTRACTOR'S EQUIPMENT / MATERIALS

i. Contractor's engine driven equipment shall be equipped with BPCL approved type of spark arrestor and should be in good operating condition before it can enter the Refinery and other BPCL premises.

ii. All battery boxes shall be covered and all gasoline lines and carburetors free from leakages.

iii. A current and valid BPCL Safety Certificate shall be attached to all engine driven equipment entering the Refinery.

iv. Operation of engine driven equipment must comply with BPCL Rules and Regulations.

5.1 THIRD PARTY 'TEST CERTIFICATE'

5.1.1 Contractor shall secure BPCL approved Third Party 'Test Certificate' (before using any) of the following contractor's equipment / equipment accessories:

i. Lifting appliances (crane, boom truck, truck, jig lift, forklift, pulley, D shackle etc.)

ii. Safety valves on mobile equipment, e.g. air compressor, hydro test machine, vacuum truck etc.

iii. Cargo tank of tank vehicles, e.g. fuel tanker, vacuum tank or pressurized tank, etc.

iv. All pressure vessels, e.g. compressor's air receiver, SMPV, etc.

5.1.2 And also produces test certificate once in year for all lifting appliance, valve vacuum tank, pressure vessel, & once in six month for lifts, hoist, man basket etc.

5.2 FORKLIFTS, INDUSTRIAL TRUCKS AND CRANES

Only persons holding appropriate Driving License may operate forklifts, industrial trucks and cranes. Personnel are not permitted to ride/travel on forklifts, industrial trucks and cranes.

5.3 STORING FUEL AND REFUELING ON BPCL PREMISES

5.3.1 Contractor should not store fuel for refueling (vehicles & equipment) inside BPCL premises without BPCL Representative approval.

5.3.2 Contractor should not transport fuel on vehicles or containers not approved for that purpose.

6.0 On-the job Control:

Following tools are useful to ensure the safe practices on the job.

6.1 Safety Supervision:

6.1.1 It is the duty of the contractor to supervise his workmen during the job. The concerned plant personnel shall oversee the supervision of safety, health and environmental matters.

6.1.2 It is mandatory that contractor's supervisor is present within the plant premises till the job continues. The contractor's supervisor will be in the close contact with BPCL Engineer in charge.

6.2 Safety Inspections and Safety Audits:

6.2.1 Safety inspection and auditing are important means for monitoring contractor safety. Contractor's Supervisor must discourage unsafe practices by contractor employees through regular inspection at the work site. The compliance with work permit system, mandatory PPE's of personnel, the operational condition of safety equipment and the reliability, use of tools appropriate for the job**,** serviceability
and maintenance of work tools and equipment should be established by spot checks. Concerned contractor's safety supervisors shall carry out audit of their facilities and equipment. It is the responsibility of Contractors to ensure that necessary action is taken to rectify in a time bound manner.

6.2.2 Contractor should participate in half yearly HSE audit conducted by F&S department of BPCL. The result of these audits should be used for setting goals for future improvements and winners should be awarded accordingly. A written Inspection report shall be prepared and distributed to top management of the same. The checklist for half yearly audit is as per **Annexure III.**

6.3 Non Compliance/ Safety Violation:

6.3.1 Whenever the contractor is found to be working unsafe, he shall be advised accordingly by the concerned plant management and F&S person to take corrective

action. If needed work shall be stopped until the situation is rectified. Delay in work as a result of such stoppages shall be regarded as a breach of contractual obligations.

6.3.2 Non-compliance / violation of safety standards by the contractor shall be viewed seriously by the HOD of concerned plant/ Dept. / HOD F&S.

7.0 Contract Employees Safety Training:

It is the policy of BPCL to provide systematic safety training and education to Company's contractors and transporters personnel for observing safe work practices.

7.1 Safety Induction, Mandatory and Job Specific Fire & Safety Training:

As a minimum requirement, all the contractor's personnel working at refinery Complex are required to be trained in HSE aspects as detailed below:

7.1.1 Every person will be provided safety induction prior to deployment on work.

7.1.2 Permanent contractor has to fulfill the requirements of *mandatory* fire & safety trainings.

7.1.3 Contractor employees will also attend job specific training on need basis.

7.1.4 Further, Contractor nominated safety representative also to train their workmen and keep a systematic records of training as per details given below:

i. Date and time of training given

ii. Name and Signature of Safety Representative

iii. Name and Signature of individual taken the training

iv. Periodically contractor workmen training activities will be audited by record checking and validation at random by Fire & Safety Dept.

7.2 Toolbox talks:

The toolbox talks as a part of continuous training for effective use of safety tips on the job planned for that day. The Supervisor-in-charge of the Contractor should give a ten to fifteen minutes talk to the Contract employees. This is the most effective channel of communication as it takes less time, it is at the work place and it is covering the immediate job they are handling so they can precisely correlate the training while working. Toolbox talk is the right tool to boost the safety awareness and to improve the Contract employees' participation as it involves a small group where direct contact is established to make the safety message more effective. Records are to be maintained by Contractor Supervisor of Tool Box talks. This should also reflect in monthly HSE report.

8.0 EMERGENCY RESPONSE AND INCIDENT REPORTING

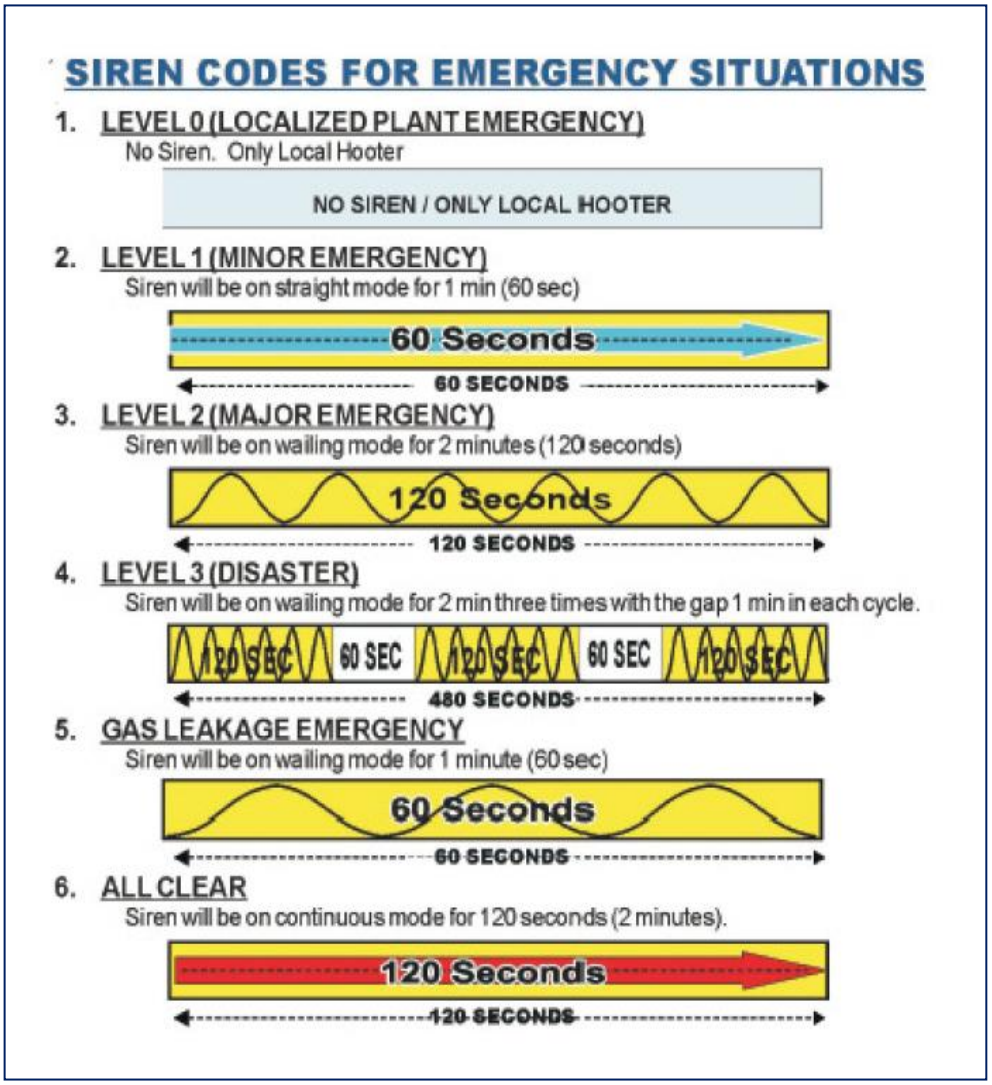
8.1 EMERGENCY RESPONSE

8.1.1 Contractor shall ensure that contractor employees clearly understand their responsibility for an appropriate emergency response as per the BPCL Emergency Response & Disaster Management Plan through awareness / refresher training and Safety Talks.

8.1.2 In the event of a major fire/ evacuation, contractor shall move contractor's employees away from the vicinity of the fire and out of the way of firefighting activities in an orderly manner.

8.2 EMERGENCY SIRENS

There are various sirens to indicate emergency situation in the refinery, as tabulated below. Proceed upwind, or crosswind if gas release is upwind of your location, as indicated by wind socks/steam plumes. Proceed to the appropriate emergency assembly area by the evacuation route as indicated/ communicated.



8.3 Incidents Reporting:

8.3.1 All incidents, property damage and near miss cases pertaining to contractor activities shall be reported by Contractor to the engineer in charge and Fire & Safety department.

8.3.2 Contractor employee, in case of any injury shall report to the plant personnel and if nobody is available, should rush to the Occupational Health Centre for the treatment. If further treatment is required outside company, contractor will arrange for the further treatment. In case of lost time injury or fatality, contractor is responsible for the treatment and compensation of the affected workmen. The contractor will not only give information during the investigation of the Incident to the investigation team but also arrange the witness of the same.

9.0 Responsibilities:

9.1 Responsibilities of Contractor:

9.1.1 To ensure that all tools and equipment used by his working crews are maintained in good working condition and have been tested by the competent authority.

9.1.2 Contractor is required to make safety documents and records available to BPCL Representative upon request. These include, but are not limited to work procedures, training records, performance records, environmental records, licenses, permits, registrations and compliance plans.

9.1.3 To employ adequately qualified, trained, skilled and experienced persons for specified activities.

9.1.4 To appoint adequate number of supervisors, who will be responsible for implementing their HSE program.

9.1.5 To take immediate action to correct any violation of safety rules observed or reported.

9.1.6 To ensure that appropriate warning signboards or tags are displayed on site.

9.1.7 To comply with safety norms lay down from time to time as per requirement of job.

9.1.8 To keep a constant liaison with Engg-in-charge /BPCL representative on safety issues.

9.1.9 Photography is prohibited in all BPCL controlled areas unless authorized. Contractor shall not take photographs without approval of the BPCL representative. Contractor shall obtain permission from BPCL representative. Appropriate Work Permit shall be obtained.

9.1.10 To ensure that his personnel are provided with mandatory personal protective equipment. Also, contractor should ensure that job specific personal protective equipment is available to his personnel.

9.1.11 The contractor has to give an undertaking before start of contract on HSE related aspects as per annexure IV.

9.2 Responsibilities of Contractor Supervisor / Site In-charge of Contractor:

9.2.1 Contractor supervisor is the key person to comply with the HSE standards at work site. He is responsible for overall coordination of the HSE procedures prescribed herein:

i. To facilitate AE/SIC, Fire & safety representative or any other person from BPCL to carry out safety inspections of his site.

ii. To comply with recommendations given by concerned BPCL Officer. All Contractor's Safety Personnel, including designated Safety Representatives, should make daily inspection of the work area. The inspection should be routine, planned, and designed to include communications with specific people in the work place, and not just a visual site visit.

iii. To get information from the concerned BPCL personnel on hazards associated with a particular job and to ensure that necessary precautions are taken during the execution of that job accordingly.

iv. Contractor's job supervisors also should make daily inspection of their work areas for the specific purpose of correcting unsafe acts or hazardous conditions.

v. To take action in consultation with concerned BPCL personnel to rectify the unsafe conditions at work site prior to start of the work.

vi. When work is in restricted area, to select personnel adaptable to the work at hand and will ensure that all safety requirements are being adhered to.

vii. To ensure the use of mandatory PPEs by working crew under his control.

viii. To review the work area for unsafe practices and conditions and initiate corrective actions as required.

ix. To maintain a constant awareness of fire hazards in their area of work responsibility and to take action to eliminate the fire hazards if possible. Matters beyond his ability to handle shall be reported to the concerned engineer in charge.

x. To know the plant emergency procedures. This will broaden the leadership base, which may be required to scope up with serious incidents, personal injuries, fires or evacuation.

xi. To provide all relevant information to incident investigation team for any incident resulting in personal injury, property/ environmental damage.

10.0 HEALTH, SAFETY AND ENVIRONMENTAL PROGRAM

Besides meeting BPCL and other regulatory safety provisions, contractors must have a written safety Program and shall be approved by Fire & Safety department. The actual program that shall be developed will depend on variables such as size of the firm, size of the project, nature of activities and the location & number of contract employees.
The Contractor Management shall commit resources and all necessary support to ensure the program is implemented to the satisfaction of the BPCL. Contractor shall ensure adherence to all laws, rules, regulation, and notification of various government departments pertaining to health, safety and environment.

10.1 SITE SAFETY ORGANIZATION AND RESPONSIBILITIES

10.1.1 The contractor's safety program should establish responsibilities for managers, engineers, supervisors, safety representatives, and the employees.

10.1.2 The contractor's safety program should also include site safety organization with respect to the overall site organogram. The contractor's employee in-charge of safety should be among the top in the organogram and should have authority over other activities. There should be at least one dedicated, qualified and experienced contractor's safety Engineer or Supervisor exclusively responsible for safety implementation / co-ordination. He shall be free from any other responsibility and no compensation will be made by the BPCL for the deputation of contractor's safety staff. The details of the safety officer/supervisor shall be submitted to BPCL F&S dept. in a format given in **annexure V**. Depending upon the nature and size of the job, minimum strength of the contractor's safety personnel shall be as indicated in the table below.

Employee Strength (including sub-contractor)	Minimum Strength of Safety Staff
Max. No. of employees 30	One discipline (Engr./ Supvr.) with safety experience can function on part time basis
No. of employees: 30 – 100	One Safety Supervisor on full time responsibility
No. of employees: 101 – 250	One Safety Engineer on full time responsibility + One Safety Supervisor on full time responsibility
No. of employees: 251 – 500	Two Safety Engineer on full time responsibility + Two Safety Supervisor on full time responsibility
No. of employees: > 500	One Safety Engineer + One Safety Supervisor (for each 250 employees) on full time responsibility

10.1.3 The number of employees mentioned above represents the maximum number of contractor employees estimated to be engaged at the site on any day by the contractor and their subcontractor. In case of block shutdown or turnaround when the contractor is required to bring in additional manpower, the number of contractor safety personnel shall be increased as per above table.

10.1.4 Contractor's safety personnel shall possess the requisite qualification and experience as given below:

10.2 Safety Engineer

Shall be a graduate engineer (Mechanical / Chemical / Electrical/ Civil/ IP/ CTM/ Safety) having a minimum of Two (2) years working experience in the field of Safety. He should possess a recognized degree or diploma in industrial safety. He must be able to speak, read and write English very well.

10.3 Safety Supervisor

10.3.1 He shall be a diploma holder in engineering or science graduate having five (5) years' experience in handling construction or maintenance projects in process Plant. He should possess a recognized degree or diploma in industrial safety. He must be able to speak, read and write English well.

10.3.2 Curriculum Vitae of contractor's safety personnel along with copies of all certificates shall be submitted for BPCL's review and approval before posting at BPCL site. The BPCL reserves the right to evaluate the candidate based on review of CV and verification of original certificates and/or personal interview.

10.4 SAFETY ORIENTATION

10.4.1 New contractor's key personnel (i.e. supervisors, engineers and managers) along with the workforce shall receive safety induction training from BPCL F&S department, as per applicable safety training procedure. In turn, these trained Contractor's key personnel shall conduct orientation to their respective employees prior to job site mobilization / beginning work in form of tool box talks on regular basis and generate record for the same. Such orientation should include provisions of the written safety program and procedures applicable to the contractor's scope of work, and also should include the following:

i. Clarification of the HSE responsibilities for contractor, subcontractor, employee and all construction/project site personnel.

ii. Clarification of HSE expectations of the contractor employees.

iii. HSE rules& regulations within BPCL.

iv. The procedure / responsibilities on Incident reporting for personal injuries, occupational illnesses, fire incidents, property damage incidents, environmental incidents, traffic incidents and near-miss incidents.

v. Toolbox meeting schedule, agenda and attendance mandatory requirement.

vi. The mandatory use of personal protective equipment on various specific activities

vii. Prompt reporting of unsafe acts or conditions.

viii. Overview of BPCL's emergency response plans and the contractor employees action in case of an emergency/drill

ix. Waste Handling and Disposal.

10.5 CONTRACTOR'S HSE MEETINGS AND TRAINING

Contractor site in charge along with the safety officer/ supervisor shall attend monthly HSE meeting conducted on every second Tuesday of the month by BPCL. The meeting agenda should include HSE records and activities, statistics, incidents, personal protective equipment and other employees' concern on HSE at work. Minutes of meeting shall be prepared by F&S dept. and circulated to top management and participants. The format of the monthly report is given in **annexure VI.**

10.6 SAFETY COMMUNICATION AND COORDINATION

For all practical purposes, it should be the responsibility of the contractor to have all its employees & sub-contractors etc. informed and involved in various safety communication and coordination activities.

10.7 RECORDKEEPING AND DOCUMENTATION

10.7.1 Records are required to support activities of contractor safety programs for both control and audit purposes. Records that shall be maintained and retained within the contract duration at the job site should include the following:

i. Log of all injury cases reported and treated, showing date, name of injured, job nature of injury and type of treatment given.

ii. All incident investigation report (i.e. injury, illness, traffic, property damage, environmental incident and as well as Near Miss Incidents).

iii. Safety meetings or toolbox meeting records or minutes showing date of meeting, who attended, the subjects discussed and who conducted the meeting.

iv. Job site inspection / audit reports and status of the action plans.

v. Records to show dates, name of participants and subject of training programs.

vi. Lifting Tackles and crane or equipment inspection records, 3rd party certificate.

vii. PPE's stock & distribution records shall be maintained

11.0 SAFETY REPORTS & RECORD REQUIREMENTS.

The Contractor shall prepare and submit the monthly safety reports in prescribe format given as Annexure II (through BPCL representative) to Fire & Safety department within the first five working days of the month.

12.0 COMPLIANCE WITH STATUTORY REQUIREMENT

Consultants, contractors/ sub-contractors or other third parties working in the field shall abide by:

i. The safety procedures for working in areas of the work as defined in scope of work.
ii. All requirements under The Factories Act 1948 and the rules framed there-under in the M P Factories Rules& Gujarat Factory Rules, as applicable.
iii. Applicable Environment Regulations in force and also the systems and procedures in M.P/Gujarat state of work.
iv. Contractor shall follow complete HSE (Health, Safety and Environmental Policy) guidelines of BPCL.

13.0 SAFETY INFRINGEMENT AND PENALTY SCHEME

All contractors/ sub-contractors and their employees working in BPCL premises shall comply with the BPCL safety procedures, guidelines and safe work practices. Violation of these BPCL procedures / guidelines / safe work practices shall be dealt according to penalty system as follows:

13.1 PENALTY STAGES

VIOLATION	FIRST	SECOND	THIRD	FOURTH
MINOR	**Caution Notice**	**Penalty Rs. 500/-**	**Penalty Rs. 1000/- ***	**Multiplied**
MAJOR	**Penalty Rs. 1000/-***	**Penalty Rs. 2000/- ***	**Penalty Rs. 5000/- ***	**Multiplied**

* The BPCL reserves the right to impose more severe penalty, i.e. suspend/terminate the employee, his supervisor or the site manager.
Note: - The penalties may be revised from time to time by BPCL management.

BPCL employee is authorized to charge the infringement note to contractor for any violation observed at site in prescribe format (Annexure- II) with the copy to safety dept. In case of any disagreement, BPCL SAFETY representative shall be the final authority to decide whether an infringement is minor or major for violations which are not listed in the penalty system. Fire & Safety Department is authorized to issue infringement report to the BPCL representative. The format of the penalty is as per **annexure VII**. The Engineer in Charge of the Contract shall take necessary action and provide feedback to Fire & Safety Department with copy of receipt from bank.

13.2 Minor Violation (Examples but not limited to)

i. Not wearing personal protective equipment (PPE) at work site.

ii. Minor traffic violation (wrong parking)

iii. Blocking of emergency equipment or exits.

iv. Using unapproved scaffolding.

v. Not keeping proper housekeeping

vi. Not providing shoring for the excavations.

vii. Over speeding

13.3 Major Violation (Examples but not limited to)

i. Smoking, carrying matches or lighter.

ii. Working without valid work permit.

iii. Non-compliance to work permits condition.

iv. Repeating minor violations more than twice.

v. Major traffic violation.

vi. Found guilty of negligent driving resulting in a vehicle incident.

Annexure II

VEHICLE / EQUIPMENT SAFETY CHECKLIST

Vehicle/Equipment type : _____ Vehicle Reg./Serial No.:_____ **☐ BPCL ☐ Contractor Company Name: _____ Re-validation: Six Month**			**Date** _____
Sr. No	**ITEM**	**REQUIREMENT**	**Y / N / NA**
1.	Fire Extinguisher	Approved type and size, properly mounted, easily retrievable	
2.	Exhaust System	Should not leak	
3.	Spark Arrestor	Fitted with approved spark arrestor	
4.	All Lights	Operable and covered with standard lens (includes reverse, brake, hazard lamps & turn indicators), not cracked or broken	
5.	Reverse Beeper/ Horn	Available in vehicles where driver cannot see the rear, horn loud enough, activated by gear lever	
6.	Seat Belt	Seat Belt with seat belt assembly in proper working condition	
7.	Tyres	Good condition	
8.	Battery	Secured by clamp, terminals covered	
9.	Fuel/Hydraulic System	Good condition and not leaking	
10.	Engine/Rotating part guards	Guards in place where applicable	
11.	Wind Shield	Good condition having proper visibility, no cracks	
		Wipers/Washers	
12.	Brakes/Parking Brake	Foot Brake Operable and efficient	
		Hand Brake Operable and efficient	
13.	Rear View Mirrors	Both Side / Rear View in driver cab available and adjustable, no cracks	
14.	Body/canopy/booms	Good condition	
15.	First Aid Kit	Available & maintained	
Additional Checks For Cranes			
16.	Safe Load Indicator	Working condition & tripping system not bypassed.	
		Anti-two Block Alarm/Cut - out	
		Load Indicator	
		Over Hoist Alarm	
		Over Boom Cut – Out/Alarm	
17.	Limit Switches	For crawler & hydraulic cranes	
18.	Glass enclosure for Forklift	Good condition having proper visibility, no cracks	
19.	ELCB Available	Applicable for welding machine or powered devices above 24V	
20.	Third Party Certificate	Valid certificate from approved third party for lifting appliances, PSV of equipment. & tank/vessel/cylinders of tankers	

21.	Safety latches	Available in hooks & in good condition.	
		Wire Ropes Condition/anchorages	
		Hook with Latch in good condition	
22.	Slings	Slings with load test and marking.	
	Operator	Operator's certificate of competency	
	Operator/Helper: Identity	Availability of Yellow Colour Jackets	

Driver's Name & Sign: Validity up to:

Checked by Safety Steward
(Name & Sign with seal)

Approved by: F&S Officer; BPCL

Fire & safety department is responsible for the safety clearance at the time of inspection. Responsibility of the vehicle before & after the inspection lies with the user department/Engineer in charge.

Contractor's Safety Performance Checklist

F/03/CPM/FSG/03

Date:		**Time: Hrs**		
Location / Area of audit :				
Name of contractor company:				
Name of auditees during audit:				
Type of work involved:				
Name of auditors:				
Reporting department:		**Name of Engineer Incharge:**		
SN	**Check Points**	**Max. Marks**	**Marks Obtained**	**Remarks**
Compliance to Contractor Safety Guidelines				
1	Does the Contractor have adequate number of Supervisors for the jobs?	2		
2	Are the Supervisors competent to ensure that the work force adhere to all applicable safety requirements? (As per the scope of safety guidelines)	4		
3	Is there any incident/Accident/LTI occurred, (If 2 FAC - 0 , 1 FAC - half marked)	10		
4	Detail Report available, Remedial measure taken , Briefing about the incident done.	4		
5	Does the contractor know the accident / incident including Nearmiss reporting system of BPCL? Interview any Two Persons (supervisor & site incharge).	2		
6	Whether all the tools / equipment Including PPE used are meeting the standards of Contractor Safety Guidelines? (any certification CE, ISI Marked)	3		
Personal Protective Equipment				
7	Whether PPE are being used and in good condition? (Available with Workers at field)	10		
	• Full sleeve (Cotton overall)/ Boiler Suit			
	• Safety Shoes			
	• Safety Helmet			
	• Safety Goggles			
	• Hang gloves while working			
	• Ear Plug/Muff in high noise area			
	• Any specific PPE such as safety harness, respiratory protectors / mask, welder's screen, gum boot etc.			
Fire & Safety Protection System				
8	Does the workmen know about the nearest location of:	10		
	• MCP (with full form)			
	• Fire extinguishers (Act to operate)			
	• Safety Shower,			
	• Assembly Point, Wind socks, Siren Codes			
	• First Aid Box,			
	• Wind sock cloth?			
Compliance of Work Permit System				
9	Are contractor's personnel aware of the various types of permits for different kinds of jobs?	5		
10	Are the specified conditions of the permit complied?	5		

Chemical/ Material Safety				
11	Workplace maintained clean and orderly during / after the job?	5		
12	Chemicals / materials handled properly?	2		
Healthiness of Tools & Tackles				
13	Is the following equipment used by the contractors maintained in good condition? (check for the different legal requirement & BPCL requirement like list, internal inspection)	8		
	• Tools , Tackles			
	• Electrical / Welding Generators/ Cutting Set with Flash back Arresters.			
	• Scaffolds			
	• Cranes			
Maintaining Safety Records				
14	Whether the contractor workmen/supervisor familiar with safety sign, BPCL Area classification, etc.?	4		
15	Whether workmen undergone Safety training and records kept? (compulsory training all were attended seek record)	5		
16	All employee were taken basic fire & safety induction (record & interview any two persons)	5		
17	Whether toolbox talk conducted regularly and records kept properly? Record checked	4		
18	Asked the information from any of worker about tool box talk subject	2		
19	Does the contractor attend safety committee meetings regularly?	2		
Familiarization with Emergency Actions				
20	Does the contractor personnel know about the hazard associated with their job/ chemicals / material handled and precautions to be taken? (Brief discussion at field)	3		
21	Are the contractor's personnel familiar with emergency actions?	5		
	• Emergency telephone numbers			
	• What to do in case of fire?			
	• What to do in case of toxic release?			
Housekeeping & Safety Promotional Activities				
22	Site condition & equipment preparation & housekeeping.	10		
23	Safety promotion activities	10		
Process Safety Management				
24	Does the PSM Awareness among workers, PSM Poster/Beacon Displayed at site?	10		
25	Does the Contractor have a safety policy as per PSM Contractor Safety Management / OISD-207?	10		
26	Is Safety Statistics of Last 3 years Total Injury Frequency Rate (LWC+MTC) record maintained by contractor as per prequalification questionnaire of PSM Contractor Safety Management work process. **Calculation =[(No. of Injury cases)x(200,000)hrs/(Total hrs worked)]**	10		
	Total	150		
	Overall Rating			

Ref. of Rating: **0-50%**- Below Avg,**51-60%** - Average, **60-75%** - Satisfactory, **76-85%** - Good, **86-95%** -V Good,**96-100%** - Excellent

Name & Signature Auditor(BPCL) Auditee (Contractor/Owner)

Annexure IV

UNDERTAKING

We, M/s _____ have been awarded contract work order no. _____ dtd. __.__._____ by M/s Bharat Petroleum Refineries Ltd. We hereby undertake as follows:

1. That we have understood the details of the work to be executed with reference to the aforesaid work order and the requirements of manpower, equipment, tools/tackles, safety equipment and other resources necessary to execute the work thereof.
2. That we have got competent supervisors and workers with required qualification, relevant experience / skills and trained for safe execution of the work. Our supervisors are well aware of the work hazards and have got adequate knowledge and familiarity about the safe work practices / safe work methods, necessary safety measures and precautions to be taken to avoid accidents during execution of the work.
3. That we have read and understood the General and Special Conditions of the contract work order under reference and agree to abide by the same.
4. That we have familiarized ourselves with the working conditions, understood all necessary requirements for safe execution of the work, including HSE policy and procedures of BPCL and obtained all clarifications regarding the job.
5. That we undertake to ensure and strictly comply with safety procedures and safe practices / methods relevant to the work for safety of our employees and property of the company BPCL and provide required personal protective equipment to all our employees, as necessary for safety & to prevent probable injuries to our workers and as per the safety requirements of the Company (BPCL). We further undertake to carry out the work in accordance with the HSE policy and procedures of BPCL
6. That we shall also comply with all applicable regulations with respect to environmental protection.
7. That we undertake to deploy competent and trained personnel for the job identified who will possess requisite skill, certificate / license.
8. That we shall ensure use of right type of tools, tackles & equipment, maintained in good working condition, suitable to the nature of the job under execution.
9. That we shall be responsible for safety of our employees and other persons at site / property of the company and accountable for any accident due to negligence / fault of our employees or our company and shall be ready to accept the responsibilities for any legal consequences.

Signed, Sealed & Delivered by –

(Signature of the proprietor of the Company / Authorized person)

Name :

Date :

Name of Company :

Company Seal :

Witnesses:

1. Signature : _____
   Name : _____
   Date : _____
   Address : _____
   _____

2. Signature : _____
   Name : _____
   Date : _____
   Address : _____
   _____

Annexure V

Safety Engineer / Supervisor appointment

Contractor's Name: - .....
Nos. of Work force at site:-.....
Details of Safety officer / Supervisor
Full Name: - .....
Date of Birth: - .....Designation: - .....
Contact No :- ..... Email ID: - .....
Appointment date: - .....
Educational Qualification: -
1).....
2).....
3).....
Professional Experience (In Chronological Order)

S.N.	Name of Organization	Period of Service		Designation	Area of Responsibility
		From	To		

Stamp and Signature of Contractor's Owner / Site Incharge
Date:-_____

Annexure VI: **F/03/CPM/FSG/04**

Contractor's Monthly Safety Performance Report

BHARAT PETROLEUM CORPORATION LIMITED
BINA REFINERY
CONTRACTOR'S MONTHLY SAFETY PERFORMANCE REPORT

REPORT FOR THE MONTH	
CONTRACT NO	
CONTRACTOR NAME	
CONTRACT TITLE	
CONTROLLING DEPT./TEAM	
SITE INCHARGE NAME - Mr.	SIGNATURE
THROUGH - ENGINEER INCHARGE NAME -	SIGNATURE
TO, FIRE & SAFETY DEPT NAME - Mr.	SIGNATURE

Following data to be furnish

Sr./No.	DESCRIPTION	THIS MONTH	YEARLY FY (22-23)	CUMMULATIVE	REMARK
	ManHours worked				
	Average No. of Employees Monthly				
	No of Employees				
	Leading Indicators				
1	Near-Miss (NM) Reporting				
2	Toolbox Talk Meeting (No.)				
3	Safety Awareness Training conducted (No.)				
4	BOSOP (No.)				
5	Safety Suggestion (No.)				
6	Safety Audits				
7	Fire & Safety Training (No. of Employee)				
8	Safety Promotion Activities				
9	Unsafe Act Reporting				
10	Unsafe Condition Reporting				
	Lagging Indicators				
1	First Aid cases (FAC)				
2	Medical Treatment cases (MTC)				
3	Restricted work Cases (RWC)				
4	Lost Time Injury (LTI)				
5	Lost Work - Days				
6	Accident/Incident				
7	Dangerous Occurrences (DO)				
8	Fatality				
9	Violation				

What is Safety Activity Rate (SAR) -

The safety activity rate is the overall safety promotional & awareness activity which including safety training & safety inspection conducted in a year with respect to total employees present & man hours worked in a month.

$$SAR = \frac{\text{Total No. of Safety Activities - Lagging Indicators (Excluding LTI)} \times 5 \times 10}{\text{Man Hours Worked} \times \text{No. of employees Present in a Month} \times 30} \times 6 = \text{SAR Benchmark}$$

Safety Activities Rate (SAR) % =	A	B	SAR %

Note : (1) Lagging Indicator includes Violation Notifications/Penalty Note/Warning/FAC/MTC/RWC/Lost Work -Days / Accident/Incident/DO.
(2) In case of any LTI the Safety Performance (SAR) of the company will be considered is zero.

Detail of Accidents/ Near miss/ Dangerous Occurrence

Date &time	Emp Name, ID,& Desig.	Brief Description	Recommendation

Detail of ToolBox Talk & Training

Date &Time	No of participants	Topic

Detail of safety Audits (copy of Report should be attached with report)

Date &Time	Audit done by		Auditee

Detail of Safety Violations by contractors (Report attached if any)

Date &Time	Breif Description of violation	Action taken / Remark

Annexure VII

F/03/CPM/FSG/05

Bharat Petroleum
energising lives

NOTIFICATION FOR CONTRACTORS SAFETY VIOLATIONS

From : Date : .....

To : Engineer in Charge, BPCL

Given below are violation detail of Safety Regulation / Site Instructions committed by a contractor working for your division.

Name of contractor's Employee / Workmen :
Emp. No. :

Contractor's Name/Agency EIC Name

Location of Violation : PO No.:

Date : Time :

Details of Violation : .....

.....

Immediate action taken : .....

.....

This Violation is : ☐ Minor ☐ Major

Action recommended : ☐ Written warning ☐ Penalty Rs. _____

☐ Suspension ☐ Dismissal ☐ Other _____

BPCL shall have right to recover increased amount of penalty from the contractor as per BPCL's sole discretion based on gravity of violation. In addition the contractor shall suspende/terminate his concerned employee, supervisor or the site manager etc. as the case may be due to said violations.

Sign of Person/Supervisor Violation Safety Norms

Name & Sign of Safety Officer/EIC

CC,
Head, Fire & Safety Department, BPCL

Annexure – I

Colour Code Matrix for Service Provider's Boiler Suits working at Bina Refinery

Sr. No.	Category / Service	Boiler Suit Colour	Sample / Picture
1	BR Employees	Royal Blue Colour	
2	Fire Fighting Services	Red Colour	
3	Mechanical Services / Tank M&I Services	Coffee Colour	
4	Electrical Services	Orange Colour	
5	Instrumentation Services	Olive Green Colour	

6	Operation Services (BDT/Offsite/ Refinery)	Navy Blue Colour	
7	Power Plant	Khaki Colour	
8	Utility / Canteen / Civil Services	Grey Colour	
9	Grass cutting / Housekeeping services / Gardening / Green belt Services	Green Colour	
10	Project Services	Dark Blue Colour	

Note: -

1. For other services which are not mentioned above, respective Engineer In-charges shall ensure different colour boiler suits than above colours for contractors.
2. Company Logo, Safety message and design of boiler suits is as per individual service provider's company policy.

LABOUR COMPLIANCE

1. On the award of a contract, the contractor shall contact BPCL HR department to understand the requirements for onward process/ procedure for BPCL HR related activities and submit details/ contact number(s)/ email id(s) of their point of contact and authorization letter (for signing any BPCL HR related compliance document) of the person named so.

2. The scope of obligations of the contractors underlined also includes those of its subcontractor(s) and the contractor shall have the sole ownership and accountability for the same.

3. **Adherence to Statutes, Regulations, Schemes, Rules, BPCL's rules and procedures**: The contractor shall undertake to ensure due and complete compliance with respect to all Statutes, Regulations, Schemes, Rules, BPCL's rules and procedures etc. (which may be amended from time to time) whether of Central Govt. or State Govt. or any other competent authority applicable to the contractor and or employees employed or whose services are otherwise availed of by contractor or sub-contractor appointed by such contractor. Such laws shall also include Minimum Wages Act, 1948, Contract Labour (Regulation and Abolition) Act,1970, Employees State Insurance Act, 1948. Employees' Compensation Act, 1923, Payment of Gratuity Act, 1972, Provident Fund & Miscellaneous Provisions Act, 1952, Payment of Bonus Act, 1965, Apprentices Act,1961 and all other applicable Act, laws, rules, regulations and orders as may be in force from time to time. The Contractor must ensure strict compliance with respect to all applicable Acts.

4. The Gate Passes for contractors' employees are processed through Contract Man Management System (CMMS) online portal. The contractor shall fill in details pertinent to the LOI/ LOA/ PO, Labour license (if applicable), accidental insurance (Employees State Insurance Act, 1948/ Employees Compensation Act, 1923 policy details) and personal details of contractors' employees in CMMS through its login credential. The contractor shall contact BPCL HR department to understand the requirements and process.

5. Documents related to the contractor's employees to be submitted to BPCL and or uploaded in CMMS:
   5.1. Character certificate (Police verification)
   5.2. Medical fitness certificate
   5.3. Insurance policy (Pehchan Card under ESIC/EC policy/Group Personal Accident (GPA) as applicable)
   5.4. Photo Id (preferably Aadhar)
   5.5. Education/ Experience certificate (as required)
   5.6. Bank account, mobile number and UAN details; if not available, after the first month of the running of the contract
   5.7. Any additional requirement will be communicated and shall be required to be complied

6. For Bina location, medical examination of the employees is to be done mandatorily at BPCL (VK BR) hospital, located in BPCL Township, Bina as per the applicable charges. The gate pass is issued only those who are declared medically fit. Medical fitness of employees

involved in the high-risk jobs like confined space entry, inert space entry, work at height etc. is reassessed for specific requirements (on form-32) at Occupational Health Centre.

7. BPCL has the sole proprietorship of the Gate Passes issued to the contractors' employees and the contractor is obligated to return all the gate passes issued to the contractor. In case of non-submission of the Gate passes / lost Gate passes / damaged Gate passes suitable amount per gate pass will be deducted by BPCL. Also, the case of non-submission of the Gate passes / lost Gate passes shall require the contractor to lodge complaint at the local Police Thana and submit a copy of the same to BPCL Security.

8. **Confirmation to BPCL HR department of Compliance under various Act applicable:** It shall be the responsibility of the Contractor to confirm to BPCL HR of conformance to statutory compliances under various Acts applicable and submit the required documents to BPCL HR in CMMS through its log in credentials, on monthly basis. The contractor is required to contact BPCL HR department to understand the requirements and process.

   8.1. Contractor shall ensure timely payment to employees, remittance of PF & Pension & ESIC contributions and maintain statutory documents & registers under various applicable Acts.
   8.2. The checklist of the documents and formats etc. to be maintained and submitted to BPCL can be obtained from the BPCL HR department after the award of contract.
   8.3. On submission of the aforementioned documents, BPCL HR will inspect and issue 'HR Clearance Certificate'. Clearance of invoices shall be subject to completion of all labour compliances and getting HR Clearance Certificate from BPCL HR.

9. **Inspections/ Audits:** The contractor shall maintain and keep a copy of statutory documents at site and shall present itself at the designated time and venue with the required documents as when demanded by the BPCL and or any statutory authorities.

Quality, Energy, Environment, Health & Safety

Work Permit Procedure

Common Procedure Manual

(ISO 9001: 2015, ISO50001:2018, ISO 14001:2015, &ISO45001:2018)

(Fire & Safety)

(CPM/03 /WPS/02)

	Prepared By:	Reviewed & Issued By:	Approved By:
Name	Veera Prasad Mukka	Sanjay B Kamdi	S Chatterjee
Designation	Mgr. (F & S)	CM (F & S)	GM (F, S & E)
Signature			
Date	18/11/2022	18/11/2022	18/11/2022

The Manual is a property of BPCL. This is a controlled document and any unauthorized alterations and copies must not be made. Alterations are permitted only with the prior permission of Approval Authority.

Bharat Petroleum

Quality, Environmental, Occupational Health and Safety (QEHS) Policy

We at Bharat Petroleum Corporation Limited, Bina Refinery (BPCL-BR) are committed to achieve Customer satisfaction by providing Quality products & services while demonstrating continual improvement in our QEHS performance to meet our stakeholder's expectations. Prevention of harm to human beings, environment and property are intrinsic to our Business philosophy.

To achieve the above objectives, we shall:

- **Proactively** anticipate & assess risks and opportunities, address them through short and long-term objectives and implement mitigation plans.
- **Inculcate** process-based thinking as a core responsibility in all functions to enhance individual ownership, accountability and performance.
- **Comply** with all applicable legislation and other requirements.
- **Focus** on protection of the environment, waste reduction and prevention of injuries and ill-health.
- **Emphasize** on QEHS aspects, technology upgradations, asset integrity, process improvements & cost reduction at planning & operational levels.
- **Ensure** effective Management of Energy and other Resources.
- **Institutionalize** EHS hazard & risk assessment methodologies, safe work practices & behaviors by benchmarking with international practices.
- **Develop** an effective response plan for quick implementation for foreseeable potential emergency situations.
- **Strengthen** awareness, skills, competence of our employees & business associates to continually improve performance standards through consultation and participation.
- **Periodically** review the suitability, adequacy and effectiveness of our Integrated Management Systems.

We shall communicate this Policy to all employees and service providers working in the organization and make it available to the public and other interested parties.

Date : 01st July 2023
Place : Bina

Chacko M Jose
Executive Director - BR

	Prepared By	Reviewed & Issued By
Designation	Mgr. (F & S)	CM (F & S)

Bharat Petroleum

Energy Policy

We at Bharat Petroleum Corporation Limited, Bina Refinery (BPCL-BR) are committed to continual improvement in Energy performance and Energy Management System, which shall be demonstrated by:

- **Proactively** anticipate & assess risks and opportunities, address them through short and long-term objectives and implement mitigation plans.
- **Ensuring** effective Management of Energy, Information and Resources to achieve Objectives & Targets and Complying with all applicable legislation and other requirements.
- **Strengthening** purchase of energy efficient products & services by utilizing latest technology to improve our energy performance.
- **Monitoring** & Controlling energy consumption through well-structured reviews.
- **Attaining** participative culture of energy conservation by creating awareness through training.

Date : 1st July 2023

Place : Bina

Chacko M Jose

Executive Director - BR

	Prepared By	Reviewed & Issued By
Designation	Mgr. (F & S)	CM (F & S)

1. Distribution of this Manual shall be controlled by CM (F&S).

DISTRIBUTION LIST

The controlled copies of this manual are distributed as per the list given below:

Sr. No.	Copy No.	Controlled copy holder
01	--	Master Copy CM (F&S)
02	01	Server Copy

2. The Master copy of this manual shall be maintained by CM (F&S).

3. Controlled copy of manual shall be issued as per approved distribution list, which shall be revised under authority of HOD. as and when required. Manual can also be issued to other official with due approval of HOD.

4. In case of Holder department ceases to exit, the controlled copy shall be returned to CM (F&S) by the holder.

5. If there are total no of 20 revisions in the entire manual or any major change in process, the manual will be re-issued from 1, 2, 3 ……. After re-issue the revision number of all the Chapters of the Manual will turn to be 00.

	Prepared By	Reviewed & Issued By
Designation	Mgr. (F & S)	CM (F & S)

Sr. No.	DOC. NO.	ISSUE /REV. NO.	DATE	DETAILS OF AMMENDMENTS	REMARK
1	CPM/03/WPS/02	02/00	10/04/2018	Entire Manual Revised as Per ISO9001:2015,ISO14001:2015,ISO50001:2011 and ISO45001:2018	
2	CPM/03/WPS/02	02/01	01.07/2019	NEW QEHS and Energy policy updated	
3	CPM/03/WPS/02	02/01	01/07/2019	Entire Manual Revised as per ISO50001:2018	
4	CPM/03/WPS/02	02/02	30/07/2020	Changes in Manual related to RA, e-RA, IT-Failure.	
5	CPM/03/WPS/02	03/00	15.11.2022	Organizational Change-Merger of BORL to BPCL	
6	CPM/03/WPS/02	03/00	03.07.2023	NEW QEHS and Energy policy updated	

	Prepared By	Reviewed & Issued By
Designation	Mgr. (F & S)	CM (F & S)

BARC - Bhabha Atomic Research Centre

CWP - Cold Work Permit

COT - Crude Oil Terminal

CPP - Captive Power Plant

HOD - Head of Department

F & S - Fire & Safety

FZS - Fire Zone Signatory

GSI - Gas Safety Inspector

H2S - Hydrogen Sulphide

CO - Carbon Monoxide

HVAC - Heating, Venting, Air Conditioning

HWP - Hot Work Permit

RA - Risk Assessment

MCR - Main Control Room

OISD - Oil Industry Safety Directorate

PPE - Personal Protective Equipment

RSO - Radiological Safety Officer

ELCB - Earth Leakage Circuit Breaker

CBD - Closed Blow Down

IDLH - Immediate Danger to Life and Health

SCBA - Self Contained Breathing Apparatus

SOP - Standard Operating Procedure

AE / JE - Associative Executive /Junior Executive

E - Executive

CSE - Confined Space Entry ,VBPL - Vadinar Bina Pipe Line

Section	Description
1	Introduction
2	Purpose and General Requirements for work permit system
2.1	Scope
2.2	Objectives
2.3	Applicability
2.4	Exemptions on use of Work Permit System Procedure
3	Definitions
4	Work Authorizations
4.1	Types of on line –Work Authorizations
4.2	Procedure for Obtaining On Line Authorization
4.2.1	A1 Authorizations: For Cold Work; Radiography, Vessel box up and Working at Height
4.2.2	A2 & A2a Authorizations for Hot work, Use of 230/440 V & Excavation:
4.2.3	A3 Authorizations for Confined space entry
4.2.4	A4 Authorizations for Electrical work:
5.0	Types of Work Permit
5.1	Routine jobs
5.2	Non Routine jobs
5.3	Procedure for Obtaining On Line Work Permits
5.3.1	Non Routine Work Permits: Cold Work Permit (Non-Routine) Cold Jobs, Vessel Box Up, Radiography (P1):
5.3.2	Working at Height Permit (P1a)
5.3.3	Excavation Work(P2)
5.3.4	Hot job, use of 230/440 V Permit (P2):
5.3.5	Confined Space Entry Permit (P3):
5.3.6	Electrical work at Sub Station /Switch Yard Permit (P4)
6.0	Routine Permits
6.a	Routine Permits Routine Electrical Isolation Permit (P5 I)
6.b	Routine Electrical Energization Permit (P5 E):
6.c	Routine Cold work Permit (P6) :
6.d	Routine Hot work Permit (P7) :
7	Renewal of work permit: (both routine and non-routine work)

8	**Closure of work permit (both routine and non-routine work)**
9	**Work Permit Validity Period and Renewal**
10	**Procedure for LOTO**
11	**Safety Compliance:**
12.	**Area Distribution**
13.	**Process of Authorization for Issuer / Executor**
14	**Roles And Responsibilities of Personnel Involved In Permit Process**
14.1	**Roles of Issuing Department**
14.2	**Roles of Executing Department**
14.3	**Area Owner / Section Head**
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14.5	**Fire & Safety Department**
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14.7	**Confined Space attendant**
14.8	**Fire Standby**
15	**Positive Isolation Certificate and Tag**
16	**Scaffolding Certificate and Tag**
17	**Record of Fire Water Network Isolation**
18	**Risk Assessment (RA)**
18.1	**RA Procedure**
19	**General Information**
19.1	**WPS Flow Chart:**
20	**Process common to all the permits:**
21	**General Safety Guidelines**
22	**Radiography and Nucleonic Level Gauges**
22.1	**Permission for Radiography**
22.2	**Nucleonic Level Gauge Isolation**
22.3	**General Safety Precautions for Radiography Source**
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23.1	**Clearances of Permission Note in online system:**
24.	**General safety precautions**

25	**Work Stop Authority**
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27	**Verification, Corrective and Preventive action:**
28	**Storage of Records & Retention Time:**

Annex. 1	**Explanatory notes to salient work permit conditions.**
Annex. 2	**Area Distribution & Designated GSI/FZS**
Annex. 3	**Cold work permit non routine- P1 format**
Annex. 4	**Hot work permit non routine- P2 format**
Annex. 5	**Work at Height permit routine- P1a format**
Annex. 6	**Cold work permit routine- P6 format**
Annex.7	**Hot work permit routine- P7 format**
Annex. 8	**Confined Space Entry Permit- P3 format**
Annex. 9	**Electrical Work Permit- P4 format**
Annex. 10	**Electrical isolation/Energization (P5) permit format**
Annex. 11	**Permit for Electrical Energization (P5E) Format**
Annex. 12	**Risk Assessment Format**
Annex.13	**Fire Zone distribution map**
Annex.14	**Positive Isolation Certificate**
Annex.15	**Scaffolding Certificate and Tag**
Annex.16	**Record format of fire water network isolation**
Annex.17	**Electrical Isolation Tag**
Annex.18	**Danger 'Do not Operate' Tag**

1	**PURPOSE:**	The purpose of this document is to provide uniform guidance for permitting all operational / maintenance / construction work and to identify precautions to be taken in order to ensure safety of personnel, avoid damage to environment and assets & comply with the statutory requirements.
2	**SCOPE OF APPLICATON:**	This procedure shall be applicable to below BPCL Facilities. These includes, but not limited to: 1. Bina Refinery Complex 2. Bina Dispatch Terminal (BDT) 3. Crude Oil Terminal (COT Vadinar) 4. Betwa Weir & Pump House
3	**CROSS REFERENCES:**	OHSAS 45001:2018- Clause No. 8.1 & OISD 105
4	**PROCEDURE:**	

	Prepared By	Reviewed & Issued By
Designation	CM (F&S)	GM (HSSE)

E- WORK PERMIT SYSTEM

1.0 Introduction`

The Work Permit System is an important tool for ensuring safety in hydrocarbon processing / handling industry. Work Permit System is a procedure to authorize non-routine work to be carried out in a controlled manner. The procedure explains the precautions to be taken to ensure the safety of personnel, installations and environment while performing the work.

The purpose of this document is to provide uniform guidance for permitting all operational / maintenance / construction work and to identify precautions to be taken in order to:

a. Ensure safety of personnel
b. Avoid damage to environment and assets
c. Comply with the statutory requirements

2.0 Purpose and General Requirements for Work Permit System

The procedure given under shall be followed uniformly at the entire **BPCL Bina Refinery Premises and COT Vadinar.**

2.1 Scope

This procedure shall be applicable to all BPCL Facilities. These includes, but not limited to:

a. Bina Refinery Complex
b. Bina Dispatch Terminal (BDT)
c. Crude Oil Terminal (COT Vadinar)
d. Betwa Weir & Pump House

2.2 Objectives

This procedure shall be followed with the following objectives:

a. Safety of the person overrides all the work place targets.
b. Adequate assessment of risks is carried out prior to commencement of the Critical jobs at site.
c. Roles and responsibilities of personnel undertaking the work are clearly defined and made aware of, to the concerned.

d. The jobs are undertaken in a safe manner after isolation of all hazards and proper preventive and control measures are in place before commencement of the work.
e. To establish a record of conditions accepted between the persons executing the job and the person who authorizes such execution.

2.3 Applicability

This procedure is applicable to all the works involving hot and cold works but not limited to the following activities:

a. Mechanical repair/welding.
b. Work on electrical distribution, generation and storage systems such as transformers, batteries, and switch yard in sub stations.
c. Work in closed tanks, vessels and working on or above false ceilings.
d. Hot tapping.
e. Use of x ray machines and radiography sources.
f. Any repair jobs within process unit and process equipment.
g. Non-routine chemical sampling/dosing.
h. Mechanical grass cutting in battery limits of process unit and dykes.
i. Use of non-flame proof gadgets in the hazardous areas.

2.4 Exemptions on use of WPS Procedure

Emphasis should be on removal of hazards first & then executing the job with proper observance of the Work Permit Procedure. In cases where hydrocarbons are continuously present such as Hazardous Zone 0 or 1, proper shut-down should be taken, hydrocarbons bleed off and only upon confirmation of no hydrocarbons through gas tests, the works shall be undertaken.

a. Routine welding / cutting and similar jobs carried out in the contractor yard and permit should be taken by the different departments like Projects and Mechanical Dept with one-week blanket limit. In central workshop A blanket permit with one month expiry shall be issued with defined scope of activities and each dept should take different permit for their jobs in workshop (viz Mechanical, Instrument, Electrical).

b. Routine activities not requiring work on equipment such as vibration monitoring, Visual stroke checking, use of tachometer, thermal sensing, noise monitoring, steam trap checking etc. However, these needs to be communicated verbally to the plant personnel prior to commencement and the equipment should be explosion proof as per Electrical area classification.

Routine sampling for the purpose of laboratory analysis. Routine chemical solution preparation. Note: Hazardous non - routine sampling will require a work permit. This activity shall be done after proper risk assessment.

c. BPCL Canteens for cooking, preparing tea/food etc.

d. Use of spark igniter for lighting up furnaces during start up in plant & other jobs for lighting lamp/ burner in central laboratory.

e. Watering/gardening work relating to horticulture. Grass cutting in open area other than dyke areas & battery limits of process units does not require work permit.

f. Manual sweeping of plant roads, control buildings, sub-stations, SRRs, workshops and other buildings. Vacuum cleaners and other gadgets requiring power supply should not be used for sweeping/cleaning of plant areas.

g. Any other activity / area declared as permit free by Factory Manager.

h. All Emergency Fire & Safety Fixed/Mobile/Potable System which were covered under SOP shall be exempted from Work permit system.

i. More number of permits in the area can be allowed after discussion with the Plant/Area incharge, based on the criticality and adequate resources will be mobilized for monitoring of the activities. The same will be recorded in the daily permit register.

3.0 Definitions

a. **Permission through system:** It is a type of clearance for doing radiography and excavation job in plant/ Refinery. An agency can take up work of radiography or excavation after taking clearance on it from different plant/ units in online system.

b. **Authorization:** Approved written document in prescribed format for specific terms & conditions required to supplement the work permits of non-routine nature and critical work. Authorization of work is to be issued by the GSI & FZS of respective Fire Zones.

c. **Routine Permit**: Type of Permit Required for low risk jobs.

d. **Non- Routine Permit**: Type of Permit Required for high risk/critical jobs.

e. **Cold work** -Activity which do not produce sufficient heat to ignite a flammable air - hydrocarbon mixture or a flammable substance and does not specifically pose an explicit or implicit hazardous condition of spark, hot surface or source of ignition.

f. **Hot work** -Any activity that can produce explicit or implicit or have potential to generate spark - sufficient heat / spark / source of ignition having sufficient

energy to cause ignition where the potential for flammable vapors, gases, or dust exists / capable of igniting flammable gases.

g. **Confined Space** -Area where deficiency of oxygen (<19.5 % v/v) or presence of toxic/flammable gases/fumes e.g. H_2S/ CO etc. is likely and / or the access is difficult during maintenance/ inspection work. This area has restricted / limited means of entrance / access and exit means and are not designed for continuous human occupancy / is not normally occupied by people and is usually not well ventilated. Examples - Vessels, columns, large pipe lines, storage tanks, spheres, bullets, coolers, flue ducts, HVAC ducts, false ceilings and floors. Entry on floating roof tank when the roof is 3 m. below the top, Excavation deep more than 1.2 m etc. shall also be considered as Confined Space.

h. **Electrical Isolation** - Means positive isolation of equipment connected to an electrical power system for the purpose of maintenance and installation.

i. **Excavation** - Means digging, road cutting, removing soil, chipping, grading and excavation work which involves excavation of ground regardless of the depth either using mechanical equipment or manually. **Manual weed** out with the help **of spade is exempted** for gardening purpose from excavation. Excavation is to be always issued with hot work permit and after permission from different dept. like electrical/instrumentation/ IT/ F&S etc.

j. **Work at Height**:" Work at height" means work in any place where, if there were no precautions in place, a person could fall a distance liable to cause personal injury (for example a fall through a fragile roof).

k. **Issuer** - Person authorized by HOD based on technical competency & position (Plant Shift Incharge/E/AM) and trained, tested and certified by Fire & Safety Department.

l. **Executor-** The person who applies for a permit and completes the work. He is responsible for ensuring that a Job performer/contractor supervisor is nominated at all times when the work is under way.

Person from the work executing departments authorized by their HOD based on technical competency & position and trained tested & certified by Fire & safety Department who accepts the permit and performs a job.

m. **Contract Supervisor-** The person nominated by the Executor and holds the permit and Incharge of a worksite. He is responsible for ensuring that the work party obeys the requirements of the Work Permit System and other relevant procedures.

n. **Fire Zone Signatory:** Senior & experienced person designated by Factory Manager

o. Based on his position (Area DGM /GM in general) who is responsible for reviewing the hot permit activities in his jurisdiction and specifying control measures to carry out these jobs in a safe manner.

p. **Hazardous Area-** Area surrounding a hydrocarbon bearing facility in which an explosive gas/air mixture could be present, as defined in "Institute of Petroleum - Area Classification Code for Petroleum Installations". In summary, Hazardous Areas are subdivided in three Zones as follows:

   a. Zone 0 - An area in which an explosive gas atmosphere is present continuously or for long periods.

   a. Zone 1 - An area in which an explosive gas atmosphere is likely to occur in normal operation.

   b. Zone 2 - An area in which an explosive gas atmosphere is not likely to occur in normal operation and, if it does occur, is likely to do so only infrequently and will exist for a short period only.

j. **Gas Safety Inspector:** Person designated by Factory Manager based on his position (Manager of the area in general) who is responsible for reviewing the critical jobs earned out in his jurisdiction and specifying measures to carry out the jobs in a safe manner.

k. **Radiological Safety Officer (RSO)** - Person who is trained and certified to handle, install and inspect radiation sources as per the requirements of Bhabha Atomic Research Centre (BARC), Mumbai.

l. **Work at height** - Means any work at and above **1.8** mtr. Elevation from ground level where permanent platforms / railings are not available. Some of the jobs that necessitate work at height are painting, inspection, removing valves, installing blinds, pipeline re-routing, roof repair works, insulation, erection of scaffolding etc. Work at height may be either a cold or hot activity depends upon the nature of job.

m. **Work Permit:** Approved written document with specific terms & conditions required to carry out routine and non-routine work inside BPCL Facilities.

Special Remark:

1. In case of ambiguity, Area GSI/FZS shall decide the type of Authorization and permit (Routine/Non Routine) required. In Case of any bigger conflict then GM HSSE in consultation with Factory Manager/Occupier shall decide and amicably resolve the issue.

2. During silent hours, the continuation of hot work jobs should be avoided; if required, then information shall be given to RSM and Fire SIC after obtaining clearance from concern area owner / HOD & Head (HSSE).

3. All main roads shall be under the scope of offsite area excluding BDT.

4. GSI & FZS are responsible for compliance of work permit system and enforcement of fire and safety regulations as per safety manual.

5. Physical Countersign of Electrical person on Hot Work Permit Non Routine where 220V and 415V temporary supply - Demanded by electrical department.

6. In Case of IT Failure of EWPS Application, Manual Work permit system will be used with immediate effect.

7. Blanket Photography Permission (Max. validity-01 Month) is to be obtained from GM HSSE, however issuance of work permit is as per the discretion of Area SIC.

8. As per factories Act clause 36A, no portable electric light or any other electric appliance of voltage exceeding 24 volts shall be permitted for use inside confined space, however if job required than a written permission note shall be issued in this regard to perform the job.

4.0 Work Authorizations

4.1 Types of on line –Work Authorizations

Work Authorizations:

a. No work in the BPCL refinery can be carried without valid authorization and valid permit. The work to be carried out is classified as Routine & Non-routine work. For routine jobs authorization is not required. Those jobs can be carried out through valid permit. For Non-routine work valid authorization as well as valid permit is required to do the work.

b. The authorization are being used in BPCL refinery which are as follows. Work Authorization & Permit shall be accompanied by a Risk Assessment Sheet (RA).

Authorization	Work
A1	Cold Job, Vessel Box Up , Radiography, Work At Height
A2	Hot job, use of 230/440V
A2a	Excavation
A3	Confined Space Entry
A4	Electrical work at SS /Switch Yards

4.2 Procedure for Obtaining On Line Authorization:

a. The executor has to log in - on line work permit system. Depending on the nature of the job, executor to select the type of the job and initiate the authorization. In this he has to fill the following details i.e. the name of persons whom permission to be granted, Section/ Department of issuer and executor, description of job, location of work, equipment number & identification, fire zone, name of contractor who will perform the job and its vendor code. Where ever critical job is being done, executor has to upload Risk Assessment Sheet. After completion of above details, executor has to forward it to area GSI /FZS for on line authorization. The area GSI has to review and edit/ upload the Risk Assessment Sheet.

b. On approval of area GSI/ FZS/HOD executor has to accept on line and take the print out for further process of obtaining the work permit from issuer section.

4.2.1 A1 Authorizations: For Cold Work; Radiography, Vessel box up and Working at Height. Select the job and after filling all the details along with E-RA apply for the authorization to respective area GSI. The area GSI has to review, edit and upload the Risk Assessment Sheet. For A1 Authorization FZS approval is not required. On approval of area GSI, executor has to accept on line and take the print out for further process of obtaining the work permit from issuer section.

a. For Non-routine cold work executor has to fill up all the details online. If required, executor uploads E-RA depending upon the nature of work. After filling the details executor has to apply for the authorization to respective area GSI. The area GSI has to upload the RA. Executor area in charge (Concerned Maintenance Incharge) has to approve E-RA. If the counter signature is required for this job from other area, he selects the other area GSI. Yellow colour band will appear on electronic authorization where counter signature is required. On approval of area GSI, Executor has to accept on line authorization and take the print out for further process of obtaining the work permit from issuer section.

b. For Radiography job executor after filling all the details apply to the Inspection section for approval. Once it is approved from Inspection it

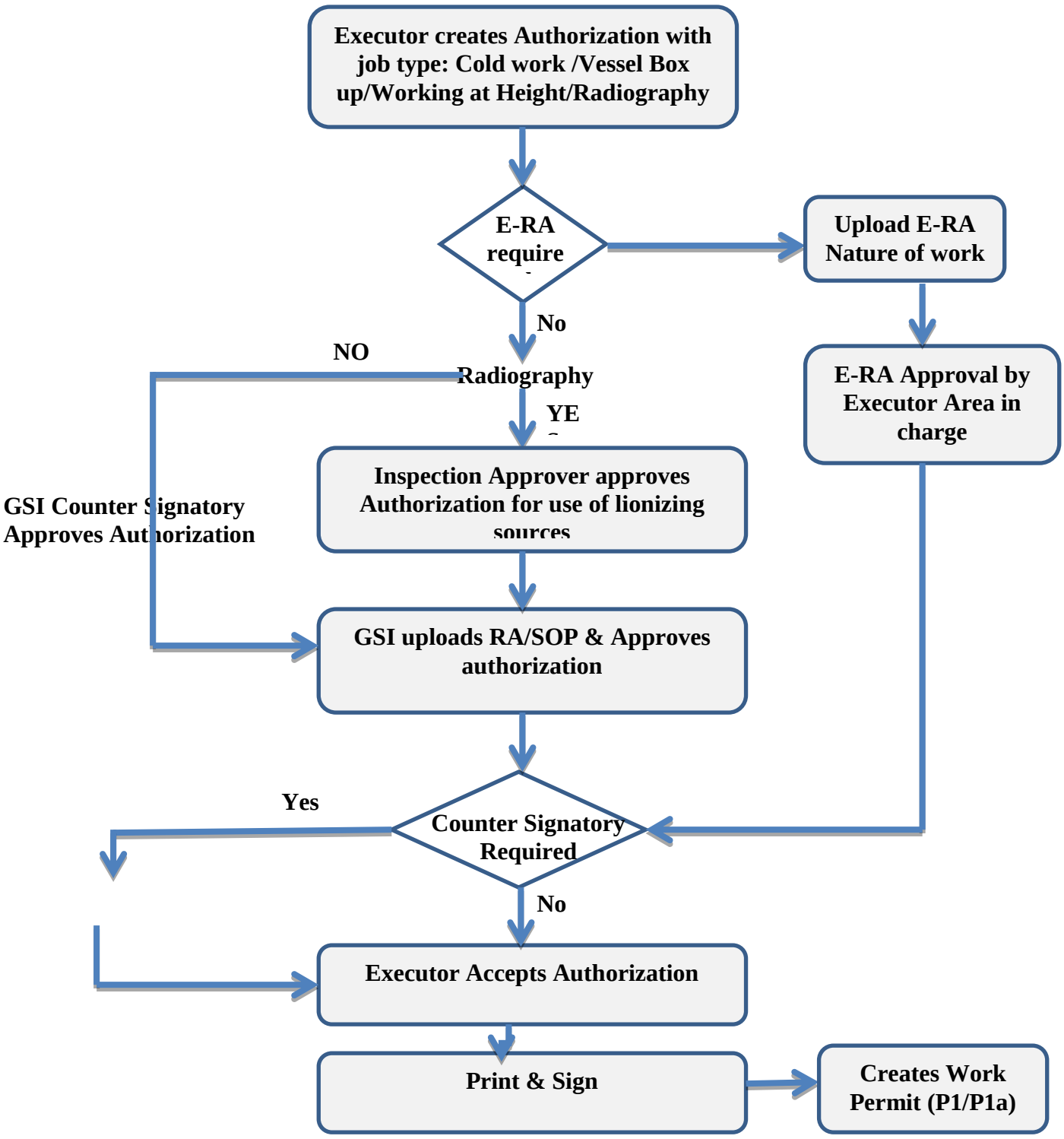
goes to respective area GSI. GSI uploads RA and approve this radiography authorization. If the counter signature is required for this job from other area, he selects the other area GSI. Yellow colour band will appear on electronic authorization where counter signature is required. On approval of other area GSI, Executor has to accept on line authorization and take the print out for further process of obtaining the work permit from issuer section.

c. For Vessel Box up, executor to select the job and after filling all the details apply for the authorization to respective area GSI. The area GSI has to upload the RA. On approval of area GSI, Executor has to accept on line authorization and take the print out for further process of obtaining the work permit from issuer section.

d. For Working at Height, executor to select the job and after filling all the details along with E-RA apply for the authorization to respective area GSI and Maint. Area incharge. The area GSI has to upload the RA. On approval of area GSI and E-RA to be approved by Maint/Proj. Line incharge, Executor has to accept on line authorization and take the print out for further process of obtaining the work permit from issuer section.

AUTHORIZATION FOR COLD WORK (A1)

(Cold Job/Vessel Box Up/Work AT Height / Radiography)



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4.2.2 A2 & A2a Authorizations for Hot work, Use of 230/440 V & Excavation:

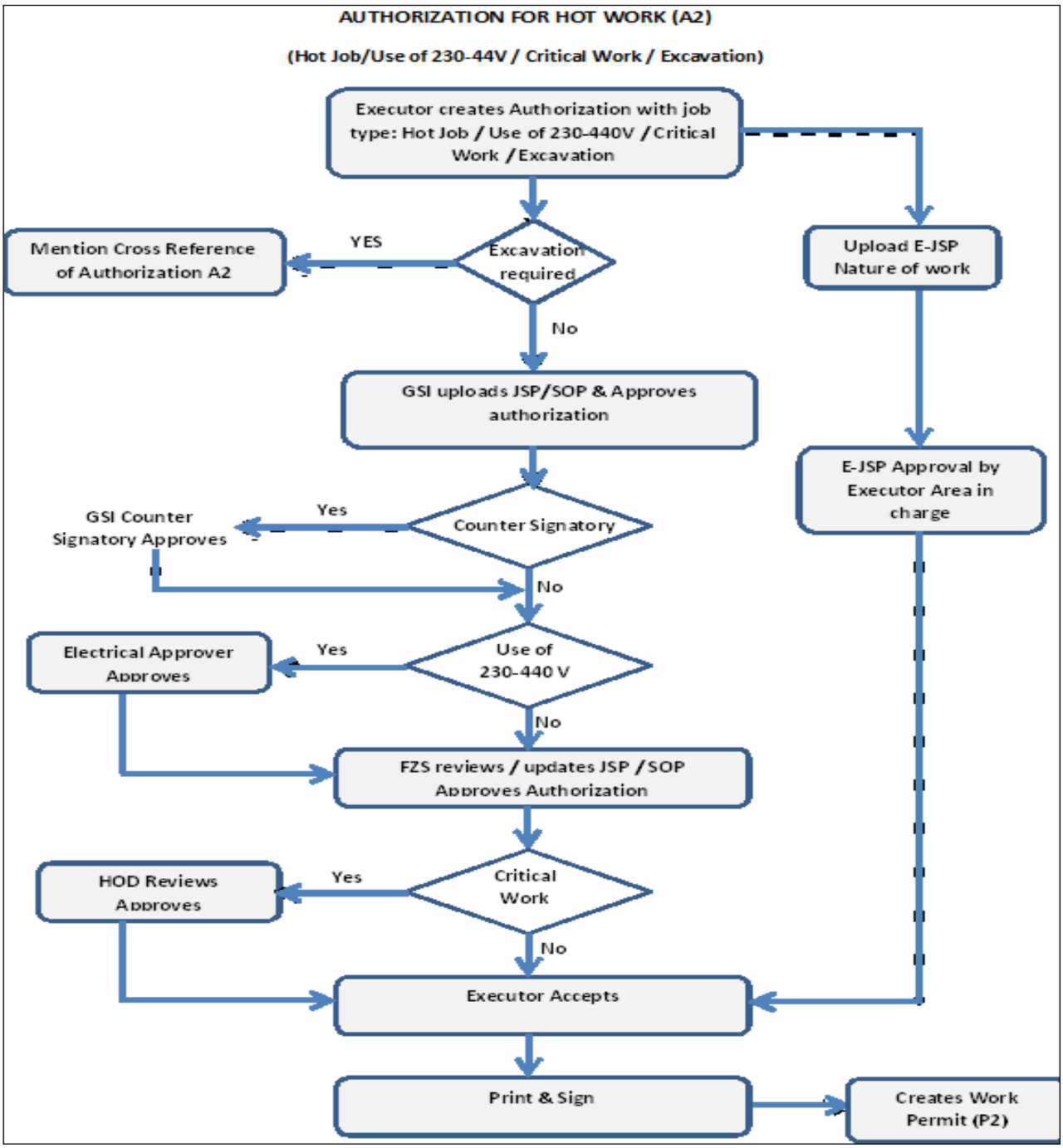
a. A2 Authorization is required for following nature of the jobs i.e. Hot work; Use of 230/440 V. A2a & A2 Authorizations are required for Excavation. Executor has to select the job. After filling all the details and uploading the E-RA, apply for the authorization to respective area GSI/FZS. This E-RA has to be approved by respective maintenance area in charge. Area GSI shall fill up on line the work conditions, mention additional precautions etc. as per nature of job. Then GSI has to forward to FZS/ HOD for review and approval. If the counter signature is required for this job, GSI will select the other GSI of that area. At a time four nos. of counter signatures can be selected. Yellow colour band will appear on electronic authorization where counter signature is required. Once this is accepted by counter signatory, Executor has to accept on line authorization and take the print out for further process of obtaining the work permit from issuer section.

b. For Hot work, A2 Authorizations is required. Executor has to select the hot job and after filling all the details apply for the authorization to respective area GSI/FZS. The executor should upload the E-RA before sending to GSI. This E-RA has to be approved by maintenance area in charge. Area GSI shall fill up on line the work conditions, mention additional precautions etc. as per nature of job and forward to FZS for review and approval of the same. If the counter signature is required for this hot job, he will select the GSI of that area. At a time four nos. of counter signatures can be selected. Yellow colour band will appear on electronic authorization where counter signature is required. If the job is critical in nature FZS shall forward this authorization to HOD. HOD reviews, updates RA & SOP if require, and he/she approves the same. Executor has to accept on line authorization and take the print out for further process of obtaining the work permit from issuer section.

c. For use of 230-440 V for Hot work A2 Authorizations is required. Executor has to select the hot job by using the 230-440 V and after

filling all the details apply for the authorization to respective area GSI/FZS. Executor has to upload the E-RA before sending to GSI. This E-RA has to be approved by maintenance/projects area in charge. Area GSI shall fill up on line the work conditions, mention additional precautions etc. as per nature of job and forward to area electrical for approval. If the counter signature is required for this job, he will select the GSI of that area. At a time four nos. of counter signatures can be selected. Yellow colour band will appear on electronic authorization where counter signature is required. Area electrical upload the conditions for use of 230/440 V for necessary precautions and approves the authorization. This comes to FZS for review and approval of the same. If the job is critical in nature FZS shall forward this authorization to HOD. HOD reviews, updates RA & SOP if require, and he approves the same. Executor has to accept on line authorization and take the print out for further process of obtaining the work permit from issuer section.

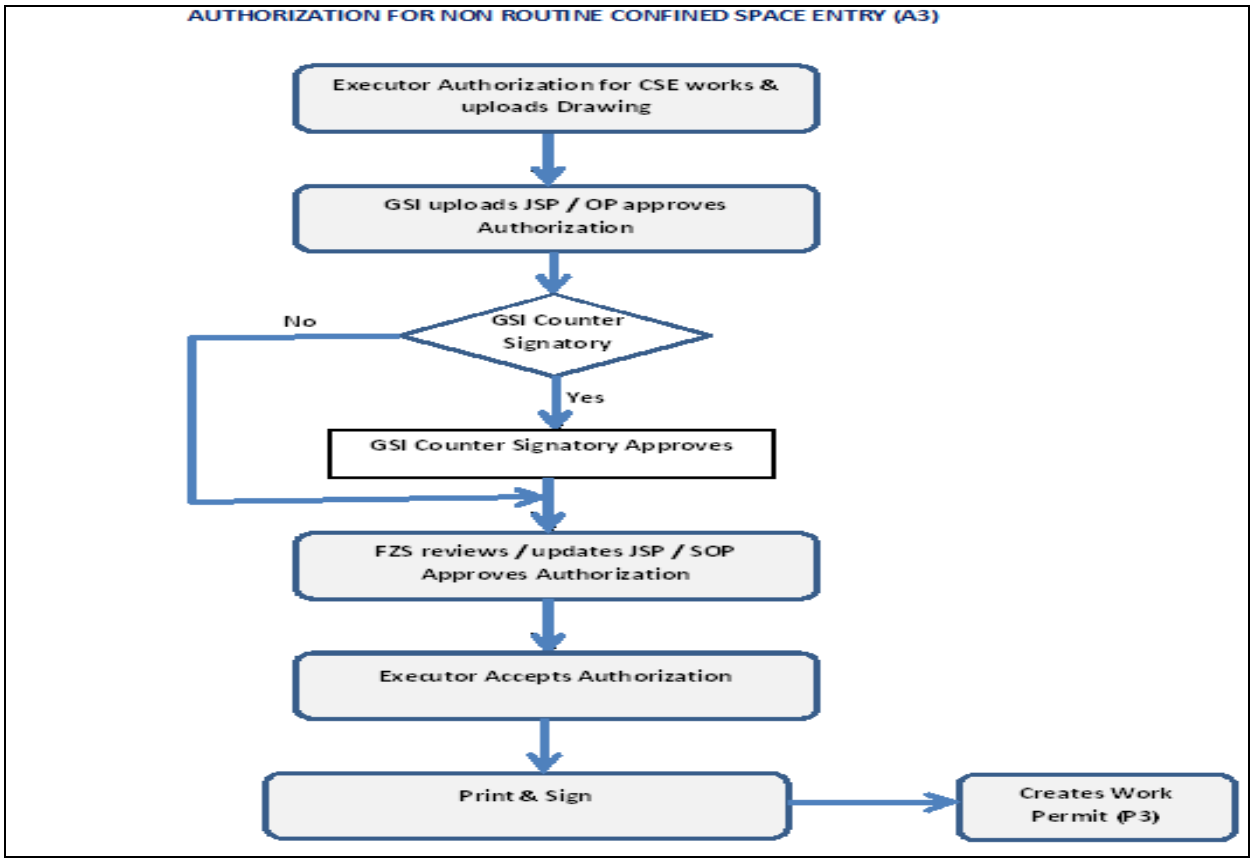
d. For Excavation job, A2a & A2 Authorizations are required. Executor has to select the excavation work for which executor has to upload drawing where the work has to be carried out. After filling all the details apply for the approval from Design & Drawing office. After approval from Design & Drawing office it goes to area electrical maintenance for approval. Electrical maintenance approves authorization after checking site conditions. If the job involves road cutting, then approval from Fire and Safety is must. During the monsoon season all excavation work requires approval from Fire and Safety Incharge. Executor has to accept on line A2a authorization and give as cross reference for excavation hot work under A2.



4.2.3: A3 Authorizations for Confined space entry

For Confined space entry A3 Authorizations is required. Executor has to select the Confined space entry authorization and after filling all the details apply for the authorization to respective area GSI/FZS. In this executor can upload the drawing of the equipment. Area GSI shall fill up on line the work conditions, offload RA, mention additional precautions etc. as per nature of job and forward to FZS for review and

approval of the same. If the counter signature is required for this confined space entry, issuer will select the other GSI of that area. Yellow color band will appear on electronic authorization where counter signature is required. At a time four nos. of counter signatures can be selected. Executor has to accept on line authorization and take the print out for further process of obtaining the work permit from issuer section



4.2.4 A4 Authorizations for Electrical work:

For Electrical work in Substation, Switch yards and Electrical installation, A4authorization is required. Executor from electrical section has to select the Electrical work authorization and after filling all the details apply for the authorization to respective area Electrical GSI/FZS. In this executor upload the drawing of the equipment/system. Area Electrical GSI shall fill up on line the work conditions, offload RA, mention additional precautions etc. as per nature of job and forward to FZS for review and approval of the same. On approval from the Electrical FZS it goes to operation area GSI for information. Executor has to accept on line authorization and take the print out for further process of obtaining the work permit from issuer section.

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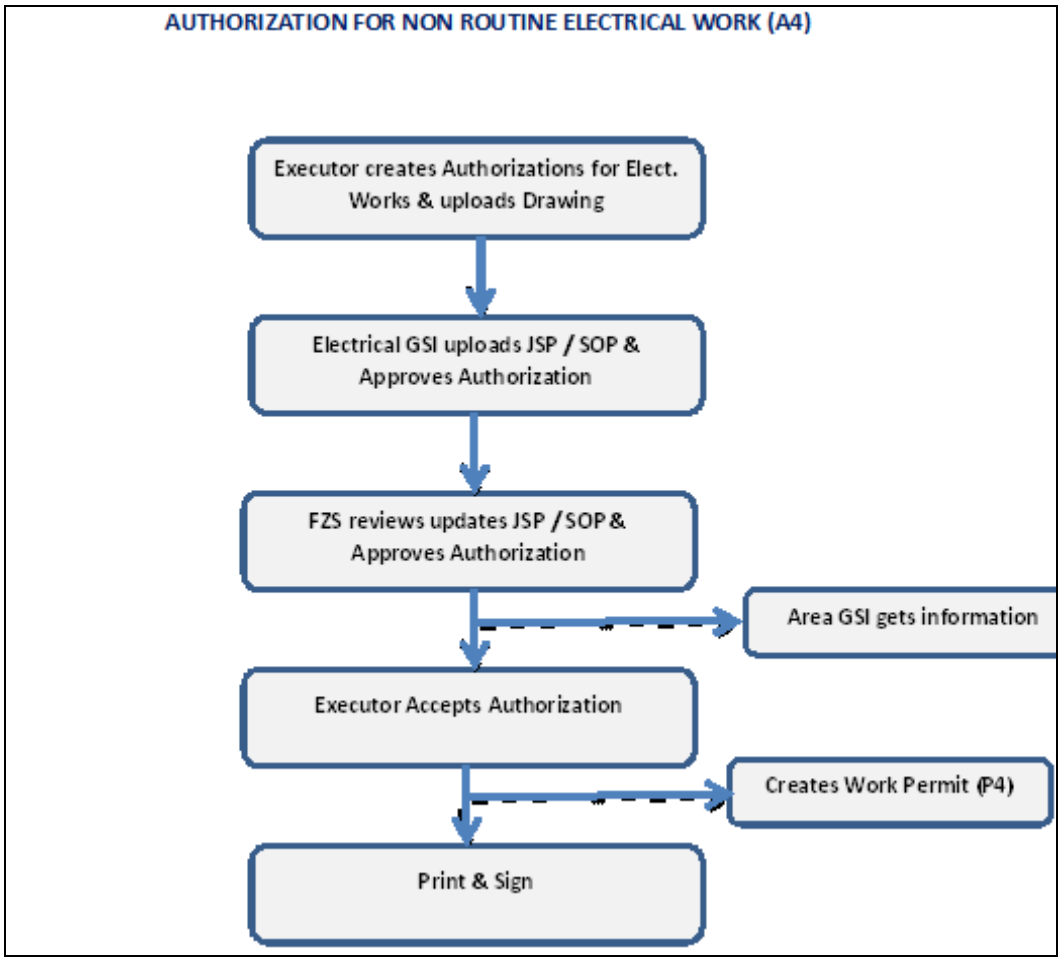

Note: After discussion / explaining with contractor supervisor on authorization conditions, RA & E-RA, executor has to approach issuing authority for obtaining the work permit to carry out the job. The printed authorization is system generated with serial number and remain in the system once it is approved.

Executor request for extension of authorization online to respective area GSI or FZS. Respective area of GSI / FZS approves extension of authorization. Executor accepts and take the print out of authorization. Executor can create the permit against this authorization.

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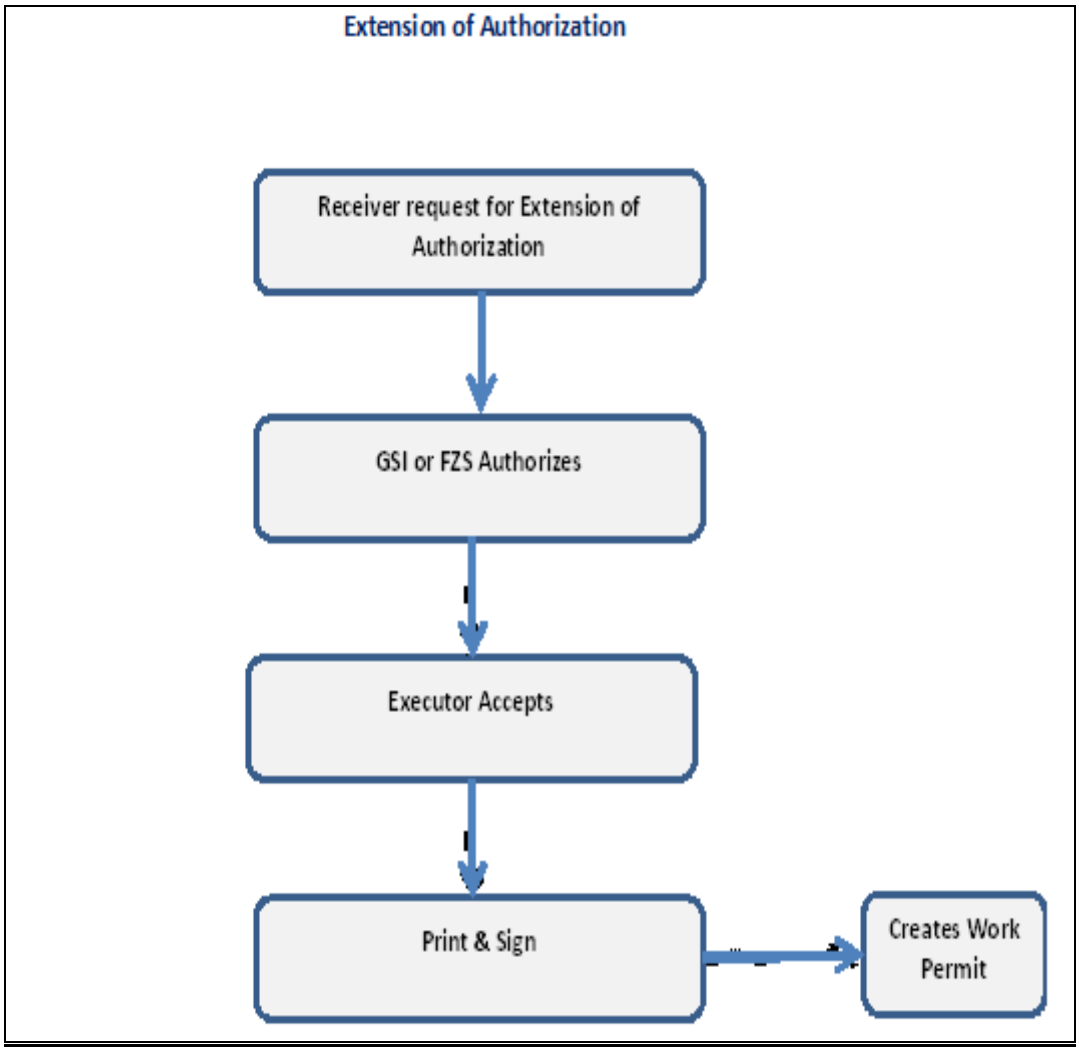


5.0 Types of Work Permit

No job shall be undertaken without a valid work permit

The electronic work permit shall be filled up carefully and accurately. Detailed and complete information to be provided in all sections, sub section, columns. General instructions and job specific instructions are printed for the purpose of communication and understanding of executing agency and contractors. The details to be filled about the name of persons as permission to be granted, section/ Dept. of issuer and executor, description of job, location of work, equipment number & identification, fire zone, name of contractor who will perform the job and its vendor code.

Supplementary formats, sketches, checklists, RA to be Uploaded along with issued electronic work permit. Ensure the cross reference entry in part A of the electronic work permit. Gas test results to be filled in Part B of the electronic work permit.

The original copy of electronic work permit should be signed by the issuer, Executor, and contractor supervisor. The original signed copy of electronic work permit should be at site. Duplicate Copy (soft copy) will remain in PC. A permit is valid only if it bears the signature of all signatories except counter signatories.

Separate Work permit must be issued for each job depending upon the nature of job. Multiple jobs in a single permit are prohibited.

Permit to be issued for single shift, where work to be continued same should be renewed after checking the conditions at site. The subsequent renewal to be done for seven calendar days' maximum. A fresh permit to be obtained after seven days as per the requirements.

In case of turnaround activities or 12 hrs. rota at specified or major project sites (with proper segregation and barricading of work area from operating areas) work permit with extended duration to be used accordingly as per the approval from Factory Manager.
The executor has to approach area Shift in charge of respective Fire zone for obtaining the electronic work permit to carry out the job at site.

5.1 Routine jobs:

For routine nature of jobs electronic work authorization is not required. The executor has to directly approach to the area issuer (Shift in charge) for obtaining the electronic work permit to carry out the job at site. If the counter signature is required, Issuer will select the counter signatories of that area. Parallel approval of Electronic work permit will be done by counter signatories. (same as Authorization) On line Executor receives electronic work permit counter signatories. On acceptance he/she can take the print of work permit. Issuer, Executor and contractor supervisor need to sign final print out of work permit. Routine natures of jobs are as follows.

Routine Work Permits	
Permit Codes	Type of work
P5 I	Electrical Isolation
P5 E	Energization
P6	Routine Cold Jobs
P7	Routine Hot Jobs

5.2 Non Routine jobs

For non-routine nature of jobs, the executor has to approach to the area issuer (Shift in charge) along with the approved e- authorization for obtaining the electronic work permit to carry out the job at site. Electronic Permit with only valid Authorization can be created / extended. The issuer then refers the related work authorization (for non-routine work), visits the site with executor and issues a related electronic work permit to carry out the job at site after satisfying the conditions prescribed therein. Issuer can change the physical conditions against valid authorization and issues work permit (condition variation from "not required" to "done" is allowed).

If the counter signature is required for this cold job, Issuer will select the counter signatories of that area. Parallel approval of Electronic work permit will be done by counter signatories (same as Authorization) On line executor receives electronic work permit; on acceptance he can take the print of work permit. Issuer, Executor and contractor supervisor need to sign final print out of work permit. Non-Routine natures of jobs are as follows.

Non Routine Work Permits	
Permit Codes	Type of works
P1	Cold job, Vessel box up &Radiography
P1 a	Working at Height
P2	Hot job, Use of 230/440 V &Excavation work
P3	Confined Space Entry
P4	Electrical Work (SS/SY)Use of 230/240 V at Sub Station

The executor / officer from civil, project, electrical, mechanical, process/ operations or instruments department under whose direct supervision job is to be carried out, indicates the location and brief description of job to the issuing authority.

5.3 Procedure For Obtaining On Line Work Permits
Non Routine Work Permits:
5.3.1 Cold Work Permit (Non-Routine) Cold Jobs, Vessel Box Up, Radiography (P1):

A1 Authorizations is required for following non-routine nature of the job i.e. cold work; radiography, vessel box up and Working at height etc. The executor has to approach to the area issuer (Shift in charge) along with the approved e- authorization for obtaining the electronic work permit to carry out the job at site. Electronic Permit with only valid Authorization can be created / renewed. Issuer will select the required authorization and open the work permit system on clicking "the creates".

The issuer refers the related work authorization (for non-routine work), visits the site with executor and issues a related electronic work permit to carry out the job at site after satisfying the conditions prescribed therein. Issuer can change the physical conditions against valid authorization and issues work permit (condition variation from "not required" to "done" is allowed). Yellow color band will appear on electronic permit on change of condition variation from "not required" to "done" in permit.

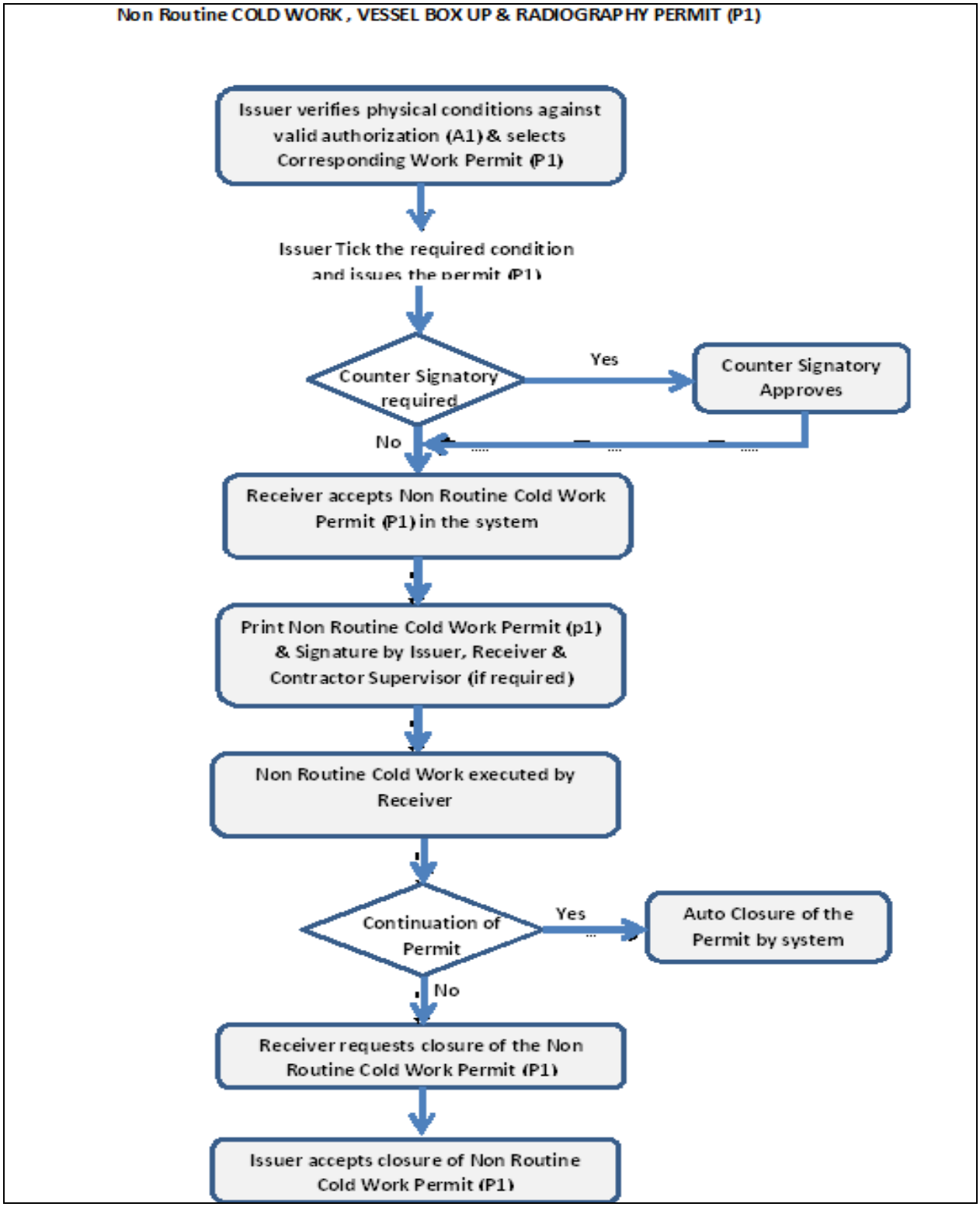
If the counter signature is required for this cold job, Issuer will select the counter signatories of that area. Parallel approval of Electronic work permit will be done by counter signatories (same as Authorization). On line Executor receives electronic work permit, on acceptance he can take the print of work permit. Issuer, receiver and contractor supervisor need to sign on the original permit before commencement of the job.

These are works of cold nature without potential to cause spark and hence do not pose fire hazard but still has considerable criticality due to the inherent risk of injury to personnel and hence require review by Area Gas Safety Inspector for assessment of potential hazards and defining adequate controls. These permits are required to be approved by Area GSI before issuing clearance by the Shift Incharge.
For these works the Executor has to apply for Cold Work Permit to the Area GSI for necessary review and approval. The work can then be carried out by Executor after clearance from Plant Shift Incharge and final acknowledgement by the AE / JE.
Typical examples, but not limited to, of cold work are as follows:

a. Erection and removal of scaffolding (working above 1.8 mts height.).

b. Opening of Turbine, pumps and compressors including sumps and crank cases where applicable.
c. Maintenance work on electrical equipment in the process area.
d. De-choking and clearance of process and utility line.
e. Providing temporary extra electrical lighting / connection.
f. Work on fragile roof.
g. Painting of equipment, Pipelines or Technical Structure inside process area/ battery limit.
h. Cable jointing.
i. Shot Blasting.
j. Unsure / non-routine activities.
k. Fermenting & online sealing
l. Pneumatic testing.
m. Hydro jetting.
n. Use of lifting tools
o. Suction strainer cleaning including hydrocarbon service.
p. Work involving radioactive sources, x-ray & radiography equipment.
q. Vessel Box Up.

Note: P1a electronic permit has to be taken for Working at height.



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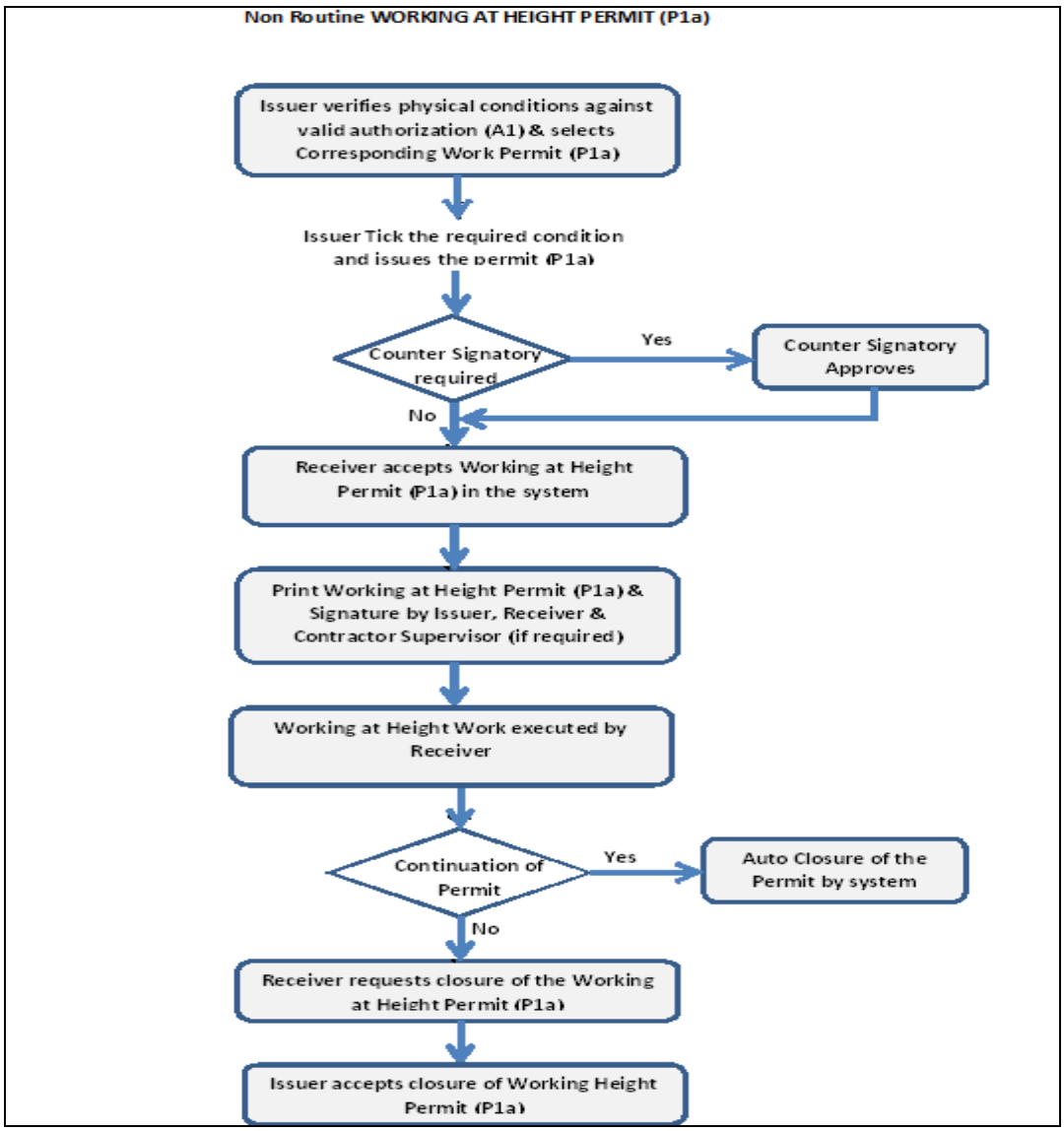
5.3.2 Working at Height Permit (P1a):

Any work required to be carried out at temporary structures and elevated portions /platforms from ground or from elevated platform shall have working at Height permits.

This permit must be used at major project sites / selectively in plant areas where scaffolds have to be used for work at elevated area (like stacks , columns, flare line blinding/deblinding, sheds, specific areas requiring nets as per OISD std. -192. (Refer Sr. No. 11e)



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5.3.3 Excavation Work(P2) :

Excavation work with valid permit (P2) to be issued against the valid work authorizations A2a & A2.

The executor has to approach to the area issuer (area Charge hand / Shift in charge) along with the approved e- authorization printout for obtaining the electronic work permit to carry out the job at site. Permit with only valid Authorization can be created / renewed. Issuer will select the required authorization and open the work permit system on clicking „the creates“. The issuer refers the related work authorization (for non-routine work), visits the site with executor and issues a related electronic work permit to carry out the job at site after satisfying the conditions prescribed therein. Issuer can change the physical conditions against valid authorization and issues work permit (condition variation from “not required” to “done” is allowed). Yellow color band will appear on electronic permit on change of condition variation from “not required” to “done” in permit.

5.3.4 Hot job, use of 230/440 V Permit (P2):

The executor has to approach to the area issuer (Shift in charge) along with the approved e- authorization A2 for obtaining the electronic work permit to carry out the job at site. Electronic Permit with only valid Authorization A2can be created / extended. Issuer will select the required authorization and open the work permit system on clicking "the creates". The issuer refers the related work authorization (for non-routine work), visits the site with executor and issues a related electronic work permit to carry out the job at site after satisfying the conditions prescribed therein. Issuer can change the physical conditions against valid authorization and issues work permit (condition variation from "not required" to "done" is allowed). Yellow color band will appear on electronic permit on change of condition variation from "not required" to "done" in permit. If any permit condition is missed to tick on electronic permit, it gives red colour band and courser will move to the required window. On entry of gas test value reconfirmation is asked for the entered value.

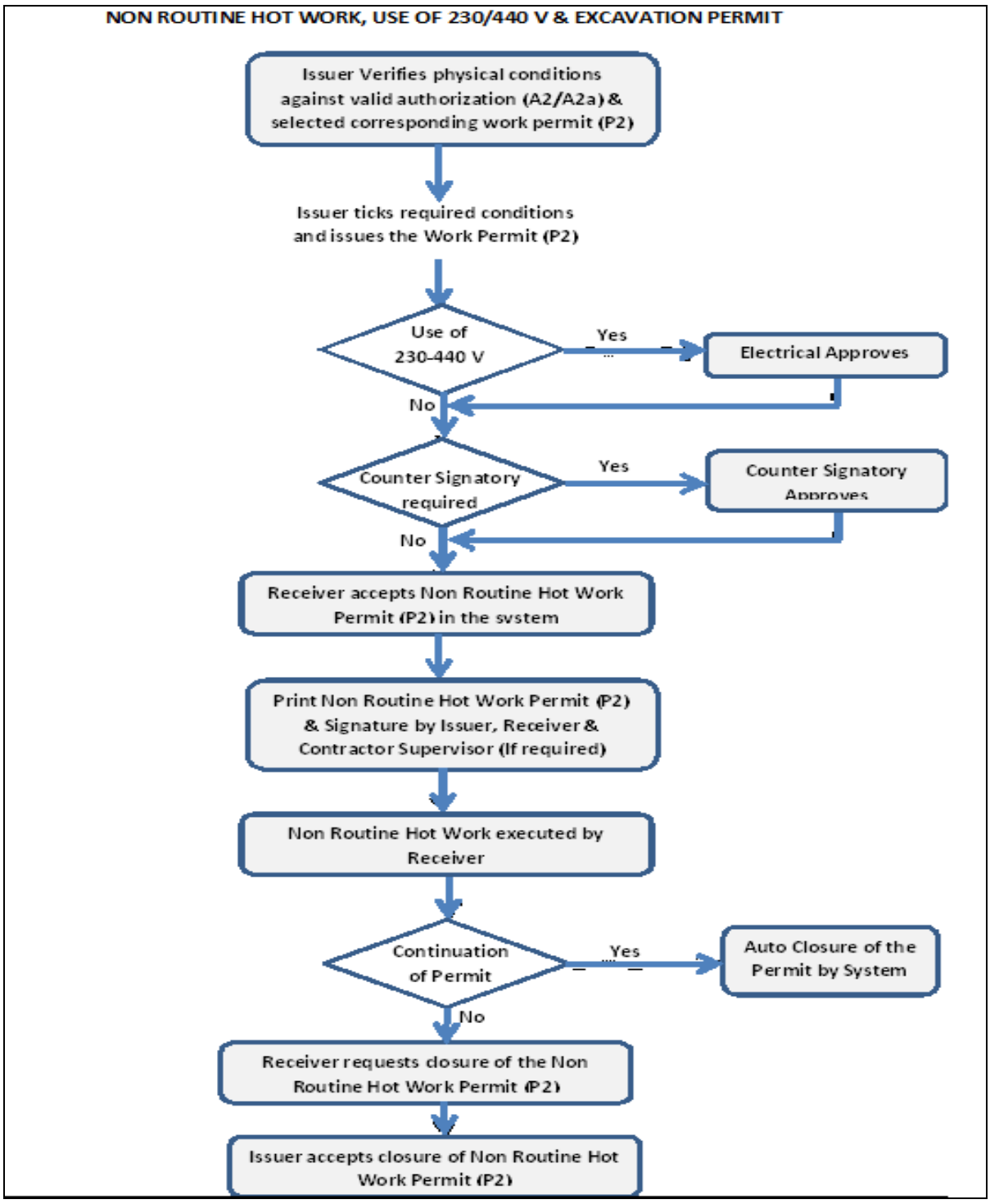
If the counter signature is required for this hot job, Issuer will select the counter signatories of that area. Parallel approval of Electronic work permit will be done by counter signatories (same as Authorization) On line Executor receives electronic work permit; on acceptance he can take the print of work permit. Issuer, Executor and contractor supervisor need to sign on the original permit before commencement of the job.

These are mainly works with naked flames or works with exposure to toxic vapors radiation etc. and of considerable criticality due to high potential for causing fire / injuries and hence require review by experienced personnel at senior level which is the designated Area Fire Zone Signatory. These permits are required to be approved by Area Fire Zone Signatory and Area GSI before issuing clearance by the Shift Incharge.

For these works, the Executor has to apply/create the request for Hot Work Permit to the Area GSI for necessary review and approval in e-permit portal, which will be further reviewed by the Area FZS. The work can then be earned out by Executor after clearance from Plant Shift Incharge and final acknowledgement by the AE/JE.

Typical examples of sources of ignition are:

a. Welding/Cutting/Grinding/Buffing/Drilling.
b. Spark producing hand tools in Hazardous Zone.
c. Diesel / motor driven mobile equipment such as dewatering pump.
d. Hot tapping involving welding & drilling of pipelines.
e. Use of equipment operated by internal combustion engines/ non-routine diesel / IC driven equipment.
f. Road Closure /making/repairs with asphalting.
g. Road cutting using powered tools.
h. Excavation work with using powered equipment.
i. Hacksaw cutting on Hydrocarbon line.
j. Holiday test.
k. Dyke cutting.
l. Flare line blinding / de-blinding.
m. Hydro-jetting
n. Cable Jointing
o. Hot bolting/ bolt tightening machine using electrically driven motor
p. Pneumatic operated chisel / breaker.
q. Fire water network isolation entire unit/more than one unit.
r. Erection of equipment/Structure etc. in the plant battery limit.
s. Blinding and de blinding activities where toxic gas, High temperature/pressure hydrocarbon etc. is expected to come out.



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5.3.5 Confined Space Entry Permit (P3):

The executor has to approach to the area issuer (Shift in charge) along with the approved e- authorization A3 for obtaining the electronic work permit for entry in confined space. Electronic Permit with only valid A3, Authorization can be created / renewed. Issuer will select the required authorization and open the work permit system on clicking "the creates". The issuer refers the related work authorization (for non-routine work), visits the site with executor and issues a related electronic work permit for entry in confined space after satisfying the conditions prescribed authorization A3. Issuer can change the physical conditions against valid authorization and issues work permit (condition variation from "not required" to "done" is allowed). Yellow color band will appear on electronic permit on change of condition variation from "not required" to "done" in permit. If any permit condition is missed to tick on electronic permit, it gives red colour band and cursor will move to the required window. On entry of gas test value reconfirmation is asked for the entered value.

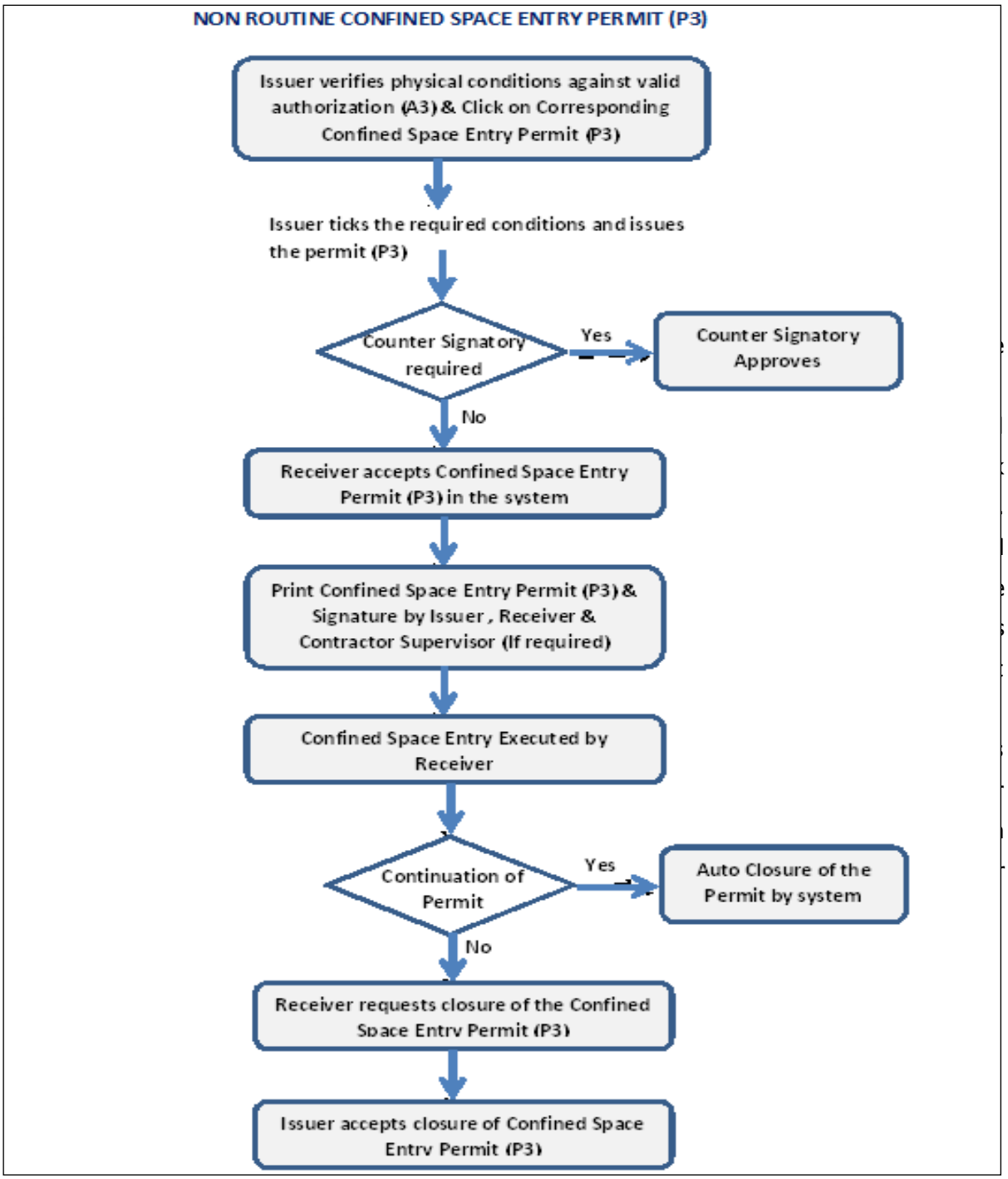
If the counter signature is required for the confined space entry, Issuer will select the counter signatories of that area. Parallel approval of Electronic work permit will be done by counter signatories (same as Authorization) On line executor receives electronic work permit, on acceptance he can take the print of work permit. Issuer, receiver and contractor supervisor need to sign on the original permit before entering in confined space.

This permit is required for entry of personnel into confined spaces/vessel for the purpose of repair / maintenance / inspection / cleaning works. In practical terms confined spaces/vessel at refinery complex would mean space containing or having contained or space which may have contained gas, hydrocarbons, chemicals or deficient in oxygen for normal breathing and it is not designed for continuous human occupancy. Some of the examples of confined space are oil

tanks, water tanks, condensate tanks, columns, reactors, oil water sewer pits, coolers, condensers, reservoirs, pipe lines, tanker trucks, skirts of column and vessels, floating roof decks etc. Prior to issue of a confined space / vessel entry permit the following activities shall be completed:

Job request to be created by executor in e-portal.

a. Draining
b. Removal of sludge
c. Washing
d. Purging
e. Positive Isolation Ventilation
f. Confined space atmosphere testing
g. Radiation level check



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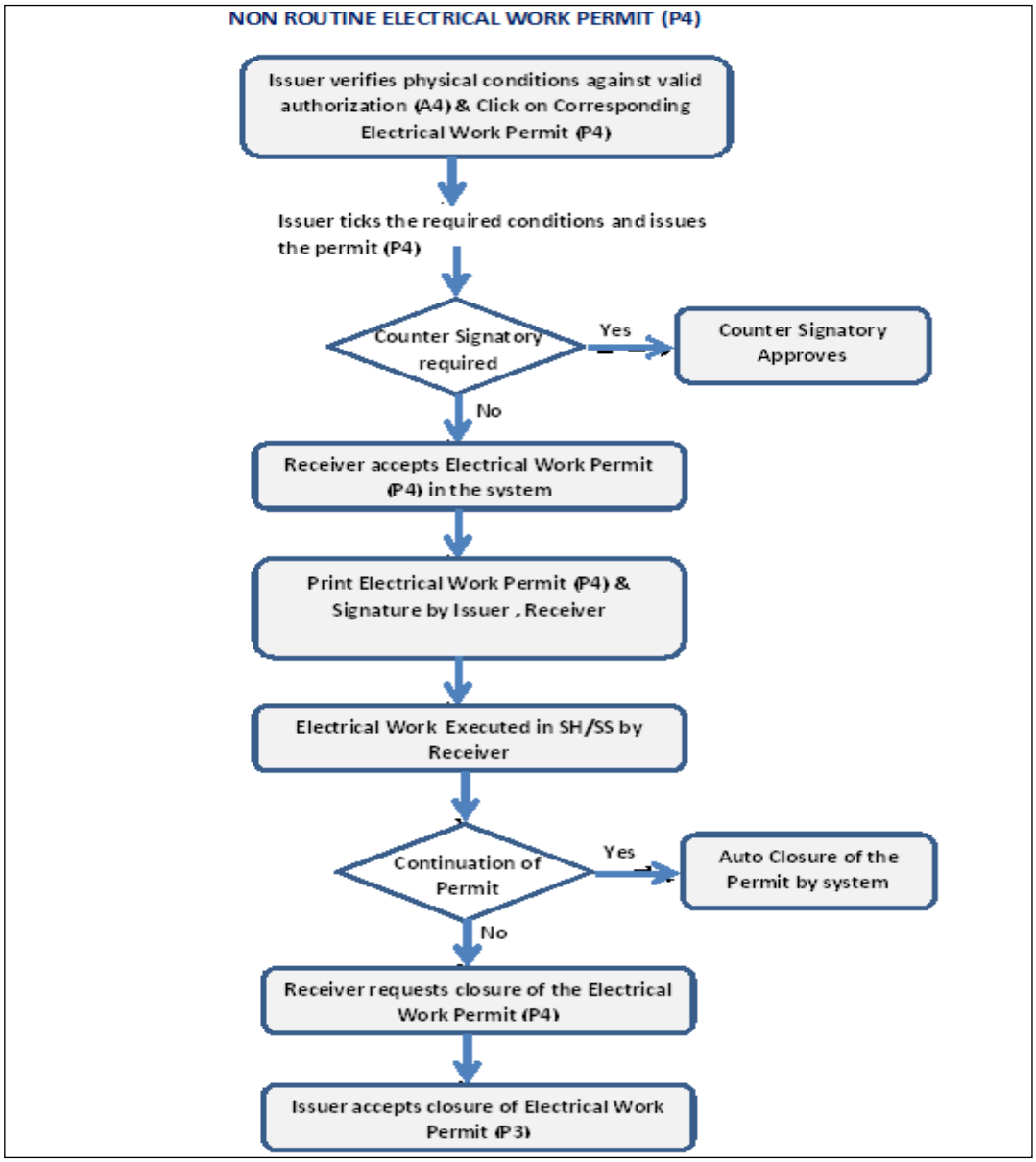
5.3.6 Electrical work at Sub Station /Switch Yard Permit (P4)

To Work in Substations and in Switch Yards, Separate Electrical Work Permit is to be issued along with the Proper Risk Assessment/Job Safety Plan.

The executor from electrical section has to approach to the area issuer (from electrical section) along with the approved e- authorization A4 for obtaining the electronic work permit to carry out the job in Substation, Switch yards and Electrical installation. Electronic Permit with only valid Authorization can be created / renewed. Issuer will select the required authorization and open the work permit system on clicking "the creates". The issuer refers the related work authorization (for non-routine work), visits the site with executor and issues a related electronic work permit to carry out the job at site after satisfying the conditions prescribed in authorization.

If the counter signature is required for this job, Issuer will select the counter signatories of that area. Parallel approval of Electronic work permit will be done by counter signatories (same as Authorization) On line Executor receives electronic work permit, on acceptance he can take the print of work permit. Issuer, Executor and contractor supervisor need to sign on the original permit before commencement of the job.



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Designation	Mgr. (F & S)	CM (F & S)

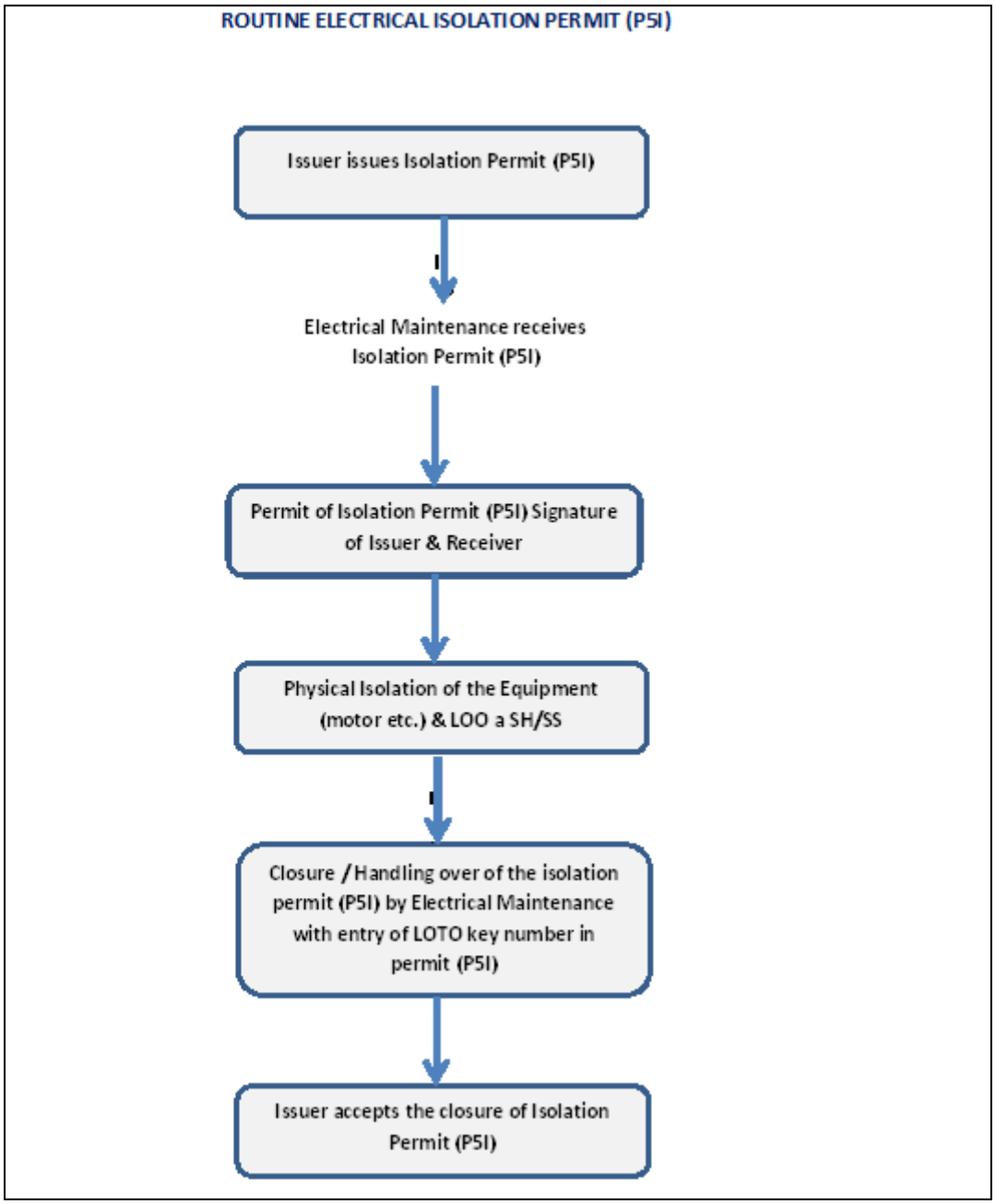
6.0 Routine Permits

a) Routine Electrical Isolation Permit (P5 I)

For routine electrical isolation / energization jobs, e-authorization is not required. The executor has to directly approach to the area issuer (Shift in charge) for obtaining the online Electrical Isolation permit (P5I) or Energization Permit (P5 E).

Issuer will initiate electrical equipment isolation permit online. Issuer Tick the required conditions and approves the Permit (P5I). On line Executor receives electronic work permit, on acceptance he can take the print of electrical isolation permit. Issuer and Executor need to sign on the original permit before isolation of electrical equipment. Physical Isolation of the Equipment (motor etc.) & LOTO (Executor put a tag and mechanical lock on the energy isolation device) at SS/Switch Yard. Receiver will enter the lock/key number in the permit and complete/hand over the permit on line. The same will be accepted by issuer.

After closing of electrical isolation permit, issuer will go and padlock the stop button of the electrical equipment at site. He will put a mechanical lock on the padlocked stop button. Then mention the lock/key number in the permit and issue on line permit to executor (maintenance / electrical, etc.) for maintenance job.



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6.b) Routine Electrical Energization Permit (P5 E):

On completion of the job on the equipment by executing agency (mechanical maintenance etc.), the permit will be completed / handed over to issuer. Issuer will receive back all the permits, if multiple permits have been issued.

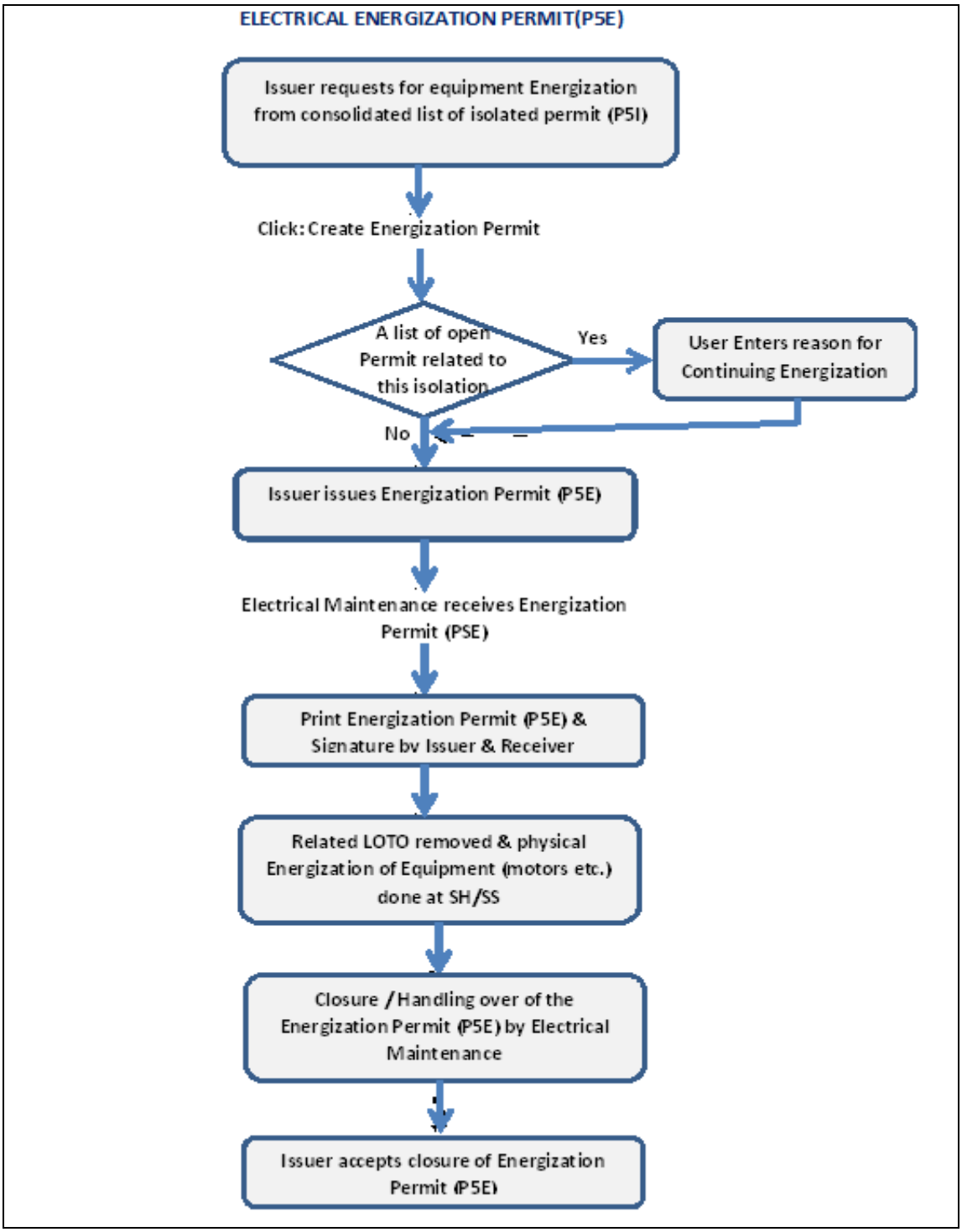
Issuer will check on line that all permits (if multiple permits are issued) connected to the equipment have been completed / handed over. Issuer will then go to site, verify and remove the lock from the site stop button.

Issuer requests for online Energization permit (P5E) to Executor (electrical). Consolidated list of isolated permits to be energized in that area will appear in the system.

On clicking of required equipment energization, system prompts IF user wants to continue Isolation. In that case, if energization is not required, issuer can put the remarks for continuing isolation. Otherwise issuer proceeds for creating the energization permit. Issuer Tick the required conditions and approves the Permit (P5E).

Executor accepts Energization Permit (P5E) in the system and take the print of work permit. Issuer and receiver need to sign final print out of work permit.

Executor will go to electrical switch house/ sub-station and remove the tag and mechanical lock. On completion of the electrical energization, executor initiate request online closure of the Energization Permit (P5E). The permit(P5E) is closed by issuer on receiving the Energization Permit (P5E) in the system.



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6. **c) Routine Cold work Permit (P6) :**

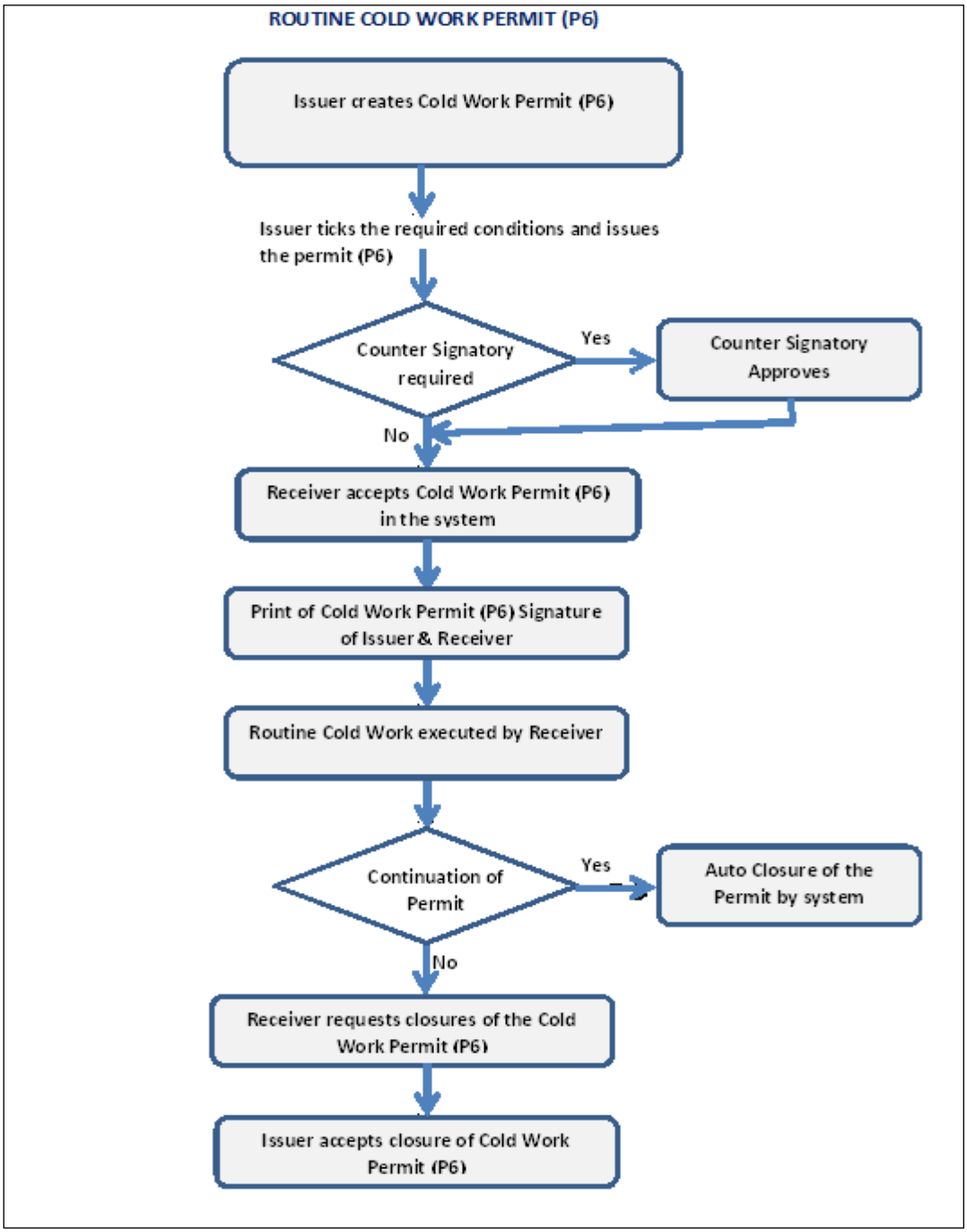
For routine nature of jobs on line Work Authorization is not required. The executor has to directly approach to the area issuer (area Charge hand / Shift in charge) for obtaining the Work Permit to carry out the job. If the counter signature is required for this cold job, Issuer will select the counter signatories of that area. Parallel approval of work permit will be done on line by counter signatories. (Same as Authorization). On line receiver receives Work Permit. On acceptance receiver can take the print of the work permit. Issuer, receiver and contractor supervisor need to sign final print out of work permit before commencement of the job.

These are the routine works carried out in the facilities with minimal injury hazard and can be reviewed & approved by the Plant Shift Incharge for ensuring adequate controls for safe execution, Job request to be created by executor in e-portal.

Activities included in this category are routine PM of pumps / motors, suction strainer cleaning (excluding hydrocarbon service), greasing etc.

For these works, Cold work permit shall be issued by Shift Incharge of the plant and no further approval from **GSI / FZS is required.**

r. Routine preventive maintenance of pumps / motors valves / exchangers, etc.
s. Suction strainer cleaning excluding hydrocarbon service.
t. Piping, valves, fittings replacement.
u. Masonry / construction job.
v. Cold cutting.
w. Cold insulation job.
x. Hydro testing.
y. Glands, seal bearing replacement etc.
z. Replacing lamps.
aa. Painting/Spray painting.
bb. Road closure / making / repairs without asphalting.
cc. Manual Excavation.



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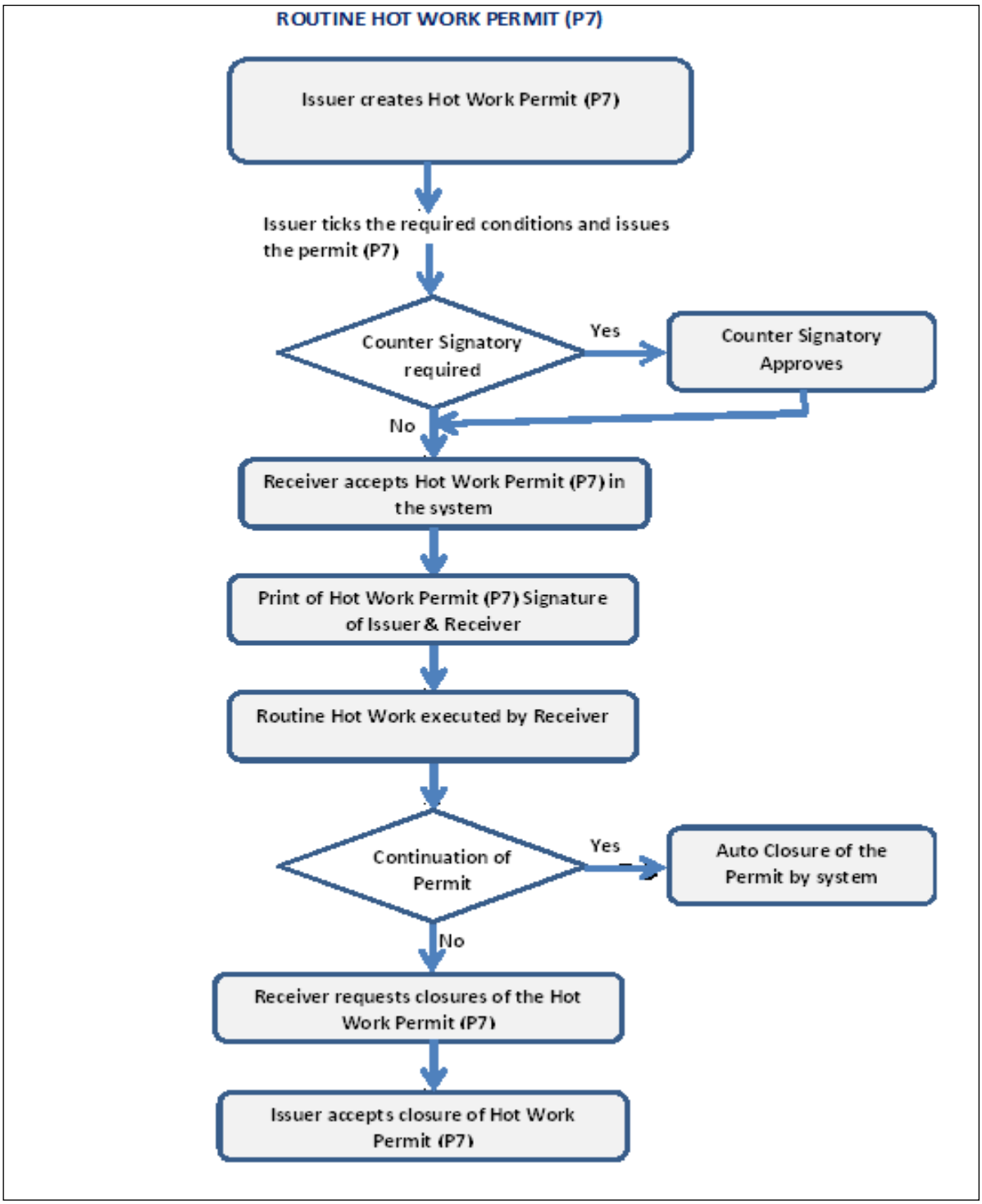
6.d) Routine Hot Work Permit (P7) :

For routine nature of hot jobs i.e. Chipping except Hydrogen related services / units, Vehicle Entry inside battery limit area, Photography, Use of battery operated equipment and cable fault finding etc. On line work authorization is not required. The executor has to directly approach to the area issuer (area Charge hand / Shift in charge) for obtaining the on line hot work permit to carry out the job in plant area. If the counter signature is required for this hot job, Issuer will select the counter signatories of that area. Parallel approval of work permit will be done on line by counter signatories. (Same as Authorization). executor receives work permit on line. On acceptance executor can take the print of work permit. Issuer, executor and contractor supervisor need to sign final print out of work permit before commencement of job.

These are the routine works carried out in the facilities with minimal fire / injury hazard and can be reviewed & approved by the Plant Shift Incharge for ensuring adequate controls for safe execution.

a. Activities included in this category are BPCL certified vehicle entry, chipping, photography, use of battery operated equipment, valve/gasket replacement, routine PM of pumps / motors, suction strainer cleaning, greasing etc.
b. For these works, based on the nature of work Cold or Hot Work permit shall be issued by Shift Incharge of the plant and no further approval from GSI / FZS is required.
c. Chipping.
d. Vehicle entry inside battery limit.
e. Photography.
f. Use of Battery operated equipment.
g. Fire water network isolation within unit.



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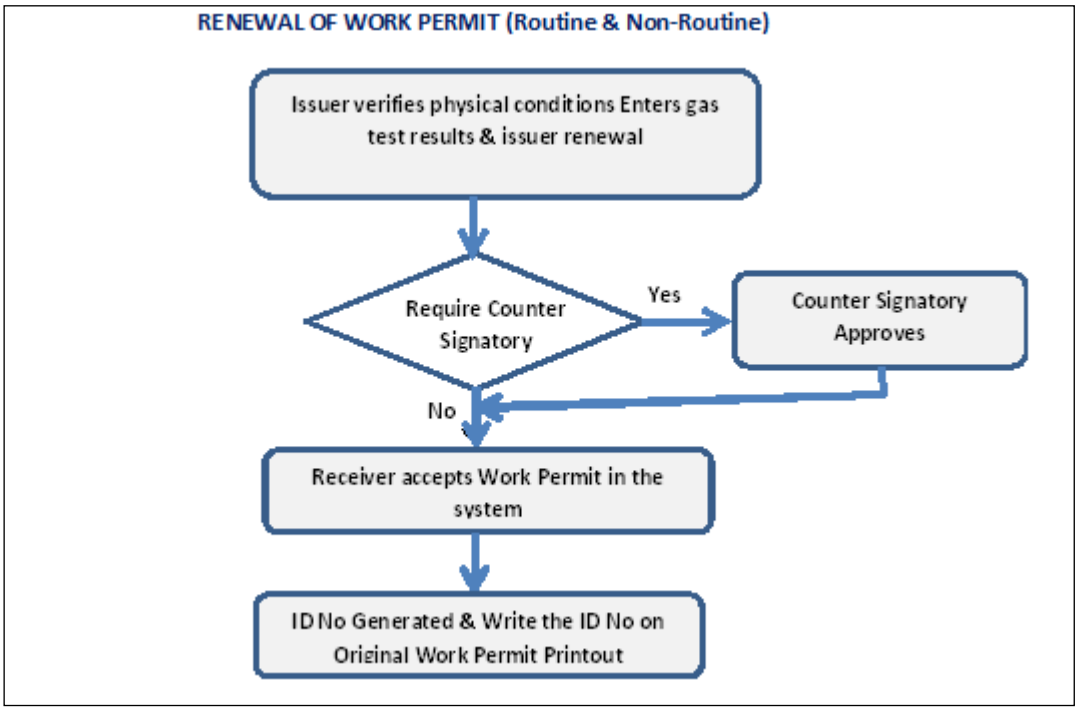
7.Renewal of work permit: (both routine and non-routine work)

The issuer then refers the related work authorization (for non-routine work), visits the site with executor and issues a related work permit to carry out the job at site after satisfying the conditions prescribed therein. Issuer enters the gas test results and issue renewal on line. If Issuer select the counter signatories of that area, parallel approval of work permit will be done by counter signatories. (Same as Authorization) Receiver receives work permit on line. On acceptance of the permit one ID is generated. This ID no. has to be written on the original print out. Issuer, receiver and contractor supervisor need to sign on the original permit before commencement of the job.



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8.Closure of work permit (both routine and non-routine work)

On completion of job, executor applies online for the closer of the work permit to area issuer. Issuer closes the work permit on line.

9.Work Permit Validity Period and Renewal

Work permit to be issued / renewed for routine/ non routine jobs as per the details mentioned below.

Category	Validity Period	Renewal
a. Routine	Up to 7 days	Permit needs to be renewed after every shift.
b. Non Routine	Up to 7 days	Permit needs to be renewed after every shift

10.Procedure for LOTO:

First Step: isolation / de-energization

Process/Operations SIC issues an EIP to authorized Electrical person for isolation of an Electrical driven equipment clearly mentioning the purpose of isolation. A lock with its key is also given along with EIP. This lock shall be blue in Colour.

PROCESS /Ops

MECHANICAL

ELECTRICAL

OTHERS

Colour Code for LOCKS

- Authorised Electrical person isolates the Energy isolating device, applies this lock on isolating device and puts a Tag on the feeder. The key is given back to Process/Ops SIC along with EIP**.**

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- Process/Ops SIC keeps this key inside the one of the group lotobox with proper Recording in LOTO register

- Process/Ops SIC issues a different lock & key (Red / Yellow / Green) along with a work permit to the requester dept. and keeps a record in **LOTO register.**

- Receiver dept. applies this lock on the same group lotobox in which key is kept and keeps the key with him till job is completed in all respect.
- In cases where more than one dept. requires lockout on the same equipment, Process/Ops SIC issues one lock & key to each dept. having different colors along with work permits.
- Each dept. places their lock on the same group lotobox in which the process key has been kept and retains their key with them till completion of the job in all respect.

ENERGISATION / RESTORATION :

- After completion of the job, each dept. removes their lock and returns it back to Process/Ops SIC along with the permit.
- When ALL the issued permits along with the locks and keys is returned back to Process/Ops SIC, Process S/I initiates the process of energization of the feeder.
- Process S/I certifies that job has been completed and returns back the EIP and key to Authorized Electrical Person.
- For More details, refer LOTO SOP.

11.Safety Compliance:

Several activities involved in the above permits require compliance to safety requirements prior to commencement of work. Following safety compliance in support of work permit system to be followed as per applicability:

a. Permit for Electrical Isolation/Restoration. Coupled with LOTO.
b. Permission for Excavation through system, to be taken by Executor from diff. departments.
c. Permission for Radiography to be taken in P1.
d. Positive Isolation Certificate/Blind List.
e. Scaffolding Certificate and Tag, Filling and Tagging to be done by concerned Executor
f. Record of Fire Water Network Isolation
g. Electrical Isolation Tag
h. Danger "Do Not Operate Tag", Filling and Tagging to be done by concerned Issuer

	Work Permit			Permission for radiography/ excavation through system	
	Cold	Hot	Electrical Isolation	Radiography	Excavation
Approval for permit	GSI	GSI / FZS	Shift I/C / Elect. GSI	RSO/Inspection.	Elect, Civil, IT, Inst, F&S, TS, Area GSI
Acknowledgement	AE / JE	A.E / JE	AE / JE	-----	-----

Special Approval: In cases including but not limited to following, the approval shall be obtained from Factory Manager:

1. Entry in inert atmosphere or where oxygen concentration is below 19.5 % & more than 22.5%.
2. LEL reading (presence of combustible gases & vapors) is more than 10%.
3. Toxic Gas concentration is more than TLV.
4. Any other case referred by Area-DGM/CM.
5. In case of outsourcing of activities respective area DGM/CM (Process / Maintenance) as per applicability, will nominate the Contractors Supervisor based on his technical competence for nomination as Issuer / Executor, who then will be trained, tested & authorized by F&S Dept.

12. Area Distribution:

a. Based on the process activities and for convenience of ensuring adequate work controls for carrying out activities, the entire facilities shall be divided in Fire Zones.
b. Factory Manager to issue the Fire Zones Distribution for all the facilities and the same should be reviewed periodically.
c. Inside the facilities, the Roads will be owned by the respective Area Managers.
d. CM will take over in case of non-availability (vacancy) of DGM where applicable.
e. In absence of designated GSI, the FZS will sign the work permits as GSI.
f. In absence of FZS, the alternate person as indicated in the list will sign as FZS.
g. Refinery Shift Manager will be FZS in case of emergency works after normal working hours and holidays.
h. Factory Manager is authorized to revise / delegate the authority of GSI / FZS as per requirements.

13. Process of Authorization for Issuer / Executor

a. Head of Dep. shall identify Issuers / Executors based on technical competency and send Nomination of the identified persons for authorization as Issuers & Executors for work permit training to Training Center.
b. Fire & Safety Dept. shall plan & arrange training.
c. F&S Dept. shall prepare, Impart training for Issuers & Executors. All issuers & Executors shall have to undergo a refresher training every year or after every major revision.
d. Validation questionnaire shall be prepared by Safety Dept. Based on validation safety Dept. they will certify the issuer / Executors in line with minimum requirement i.e. 80% in validation. Fire & Safety Dept. shall declare final list of issuers/executors & Maintain record. Fire & Safety Dept. shall issue the Authorization cards to all issuers/executors.
e. F&S Dept. shall maintain list of all approved issuers & Executors.
f. Validity of certification shall be maximum one year from date of training.

14.Roles And Responsibilities of Personnel Involved In Permit Process

BPCL operations (Refinery Complex, BDT & COT Vadinar) involve transportation, storage, & refining of crude, intermediate & finish products. While the titles of responsible persons may differ from location to location based on their functional roles, the broad classification of their roles in the Work Permit process remains uniform. Where clarity of individual's role is lacking, the Permit custodian gives such clarification in consultation with the Factory Manager BPCL refinery.

Role in WPS System	Examples of Job Titles
Contract Supervisor	Authorized Supervisor of Contractor/ Service Provider/Agency.
O&M Engineer	Authorized to Sign as Issuer/Executor and AE/JE wherever required and authorized.
Executor	Maintenance Managers / Shift In-charge/ E/AM/AE /JE
Assistant Engineer	Field Officer/designated area engineer
Issuer	Plant Shift Incharge/Dept. AM/E
GSI	Manager of the area in general, as per approved list of GSI. Refer Annexure - 2.
FZS	Area DGM /GM in general / individual unit head/ Dept. head (wherever applicable), as per approved list of FZS. Refer Annexure - 2.

14.1 Issuing Department

a. Overall responsibility for issue of work permits & permission note and their control lies with the permit issuing authority.
b. The shift Incharge shall ensure that adequate cleaning and purging is carried out and the atmosphere is tested. Issuing Authority is responsible for preparation & handing over of the equipment in safe condition to perform the work. His signature as issuer shall mean understanding the job, safe handing over & monitoring of site conditions.
c. The issuer shall close the permit after the job has been completed/stopped.

d. To renew the permits along with Assistant engineer as requested by the maintenance, after satisfying that site conditions that are safe for renewal of the permit procedure.

e. The Assistant Engineer shall read the work permit, check the site compliance to permit conditions & sign original permit. He shall monitor the site conditions & executing group's compliance to permit conditions. He shall have work permit awareness training. Permit is valid only after obtaining Assistant Engineer signature or alternate person assigned by HOD to fulfill Assistant Engineer responsibility.
f. Carry out gas checks as per the requirement of the permits.
g. Shift incharge should inform to panel engineer about status of permits issued.
h. Issuer shall maintain a daily register of permits issued, renewed and closed in a register. The register shall be updated in every shift to provide accurate status of the permits. Refer Annexure – 15.

14.2Roles of Executing Department

a. Responsible for the safe execution of the job and shall ensure that all the precautions pointed out in the permit and Authorizations are adequately complied with, and the safety gadgets and appliances are made available and used.
b. To obtain all clearances / countersigns / registrations for the permit as per requirement.

c. Upon completion of the job, the Executor shall ensure that the job location is cleared of all the unwanted materials, made safe & ensuring housekeeping.
d. The Executor shall return the permit for closure as soon as the job specified in the permit is completed. To request for the extension of the permit well in advance.
e. To ensure that all relevant PPE as identified in the permit are worn by the contractor personnel.
f. To ensure all tools, tackles, welding machines and gas cutting equipment are inspected and is in Good condition for use.
g. Executor also ensures that the vehicle & welding machine has proper & valid safety & electrical certificate respectively.
h. To provide proper access for all jobs which are above 1.8 m height.
i. To Provide to the point Executor risk assessment (E-RA) covering all engineering and equipment hazards of executing department/agency.

14.3 Area Owner / Section Head

a. Area Owner / Section Head shall send request for training of personnel in implementing the safe work permit.
b. The Area Owner / Section Head shall ensure that the permit issuers and Executors are trained in safe work permit procedure and shall authorize persons by name.

14.4 Fire Zone Signatories / Gas Safety Inspectors

a. Decide whether the work is critical & inspect the work site with the Executor before issuing the permit. He shall inform Fire Control Room about all critical works.
b. All critical work permits will be reviewed and issued by Fire Zone Signatory of the concerned area after specifying the permit requirements.
c. All other work permits, other than the critical work permits will be reviewed and issued by Gas Safety Inspector of the concerned area after specifying the required conditions.

14.5 Fire & Safety Department

a. Responsible for training of personnel on Safe Work Permit procedure jointly with fire & safety.
b. Shall provide guidelines for validation and authorization of issuers and Executors to the concerned Area Owner / Section Head.
c. They shall recommend to the Area Owner / Section Head for enlisting the name of a person as authorized issuer, Executor for the particular type of permit.
d. Endorsement of all hot work non routine and confined space entry permits shall be done by respective area safety officer.

14.6 Fire Watch

The Fire Watch is a member of the work team or provided by the Company who is trained in the use of fire hoses/extinguishers. He is responsible for maintaining a fire watch during the entire period of work extending to additional thirty-minute period after any naked flame work has ceased, to ensure that no combustible materials have been ignited during the final stages of the work. He must know how to raise an alarm, and what to do in the event of an emergency.

Fire Watch – will be a trained authorized person from permit executing department.

14.7 Confined Space Attendant

The confined space attendant is a member of the work team or provided by the company who is trained in confined space entry procedure. He shall be responsible for monitoring safety of all the persons entered inside confined space during the period of work inside confine space. He must be trained in rescue techniques and should know how to raise an alarm and what to do in the event of an emergency.

For special situations such as naked flame work inside a vessel etc. he should also undergo fire watch training.

Confined Space Attendant – will be a trained authorized person from permit executing department.

14.8 Fire Standby

In cases of works having high potential of fire/ emergency or any critical jobs, Fire crew with fire tender to be provided as fire standby on request of Area Owner/ Section Head as per Fire Standby procedure BPCL/FIRE/SOP/02.

15 Positive Isolation Certificate and Tag

Whenever the work on any process equipment/machine, pipe line or any entry into confined space are to be carried out, it is necessary to carry out positive isolation of the equipment/pipeline from all possible sources of energy materials.

The isolation certificate will include a diagram (P & ID) showing the isolation locations during the work on any process equipment/machine or pipeline.

For one job there may more isolations were required, for which one isolation certificate will be taken. Isolation Tags "DO NO OPERATE" to be provided on identified equipment/machine or pipeline. The number of Isolation Tags may be more than one. Danger Do not operate tag filling and tagging shall be done Concerned Process/Operations Dept.

See **Annexure – 15** for Positive Isolation certificate, **Annexure – 20** for the Positive isolation tag.

16.Scaffolding Certificate and Tag

The Scaffolding Certificate defines the requirements to check the stability and strength of the scaffold that is being used for work at height. See **Annexure -16** for the format of Scaffolding Certificate. Scaffolding tag is to be provided after inspection and getting signed certificate of Scaffolding. Scaffolding certificate original copy to be kept with competent inspection authority and one copy of certificate to be provided to area in-charge where scaffolding erected for any job purpose. Concerned Mechanical Maintenance of the unit shall fill the checklist and provide the tag on the scaffold.

17.Record of Fire Water Network Isolation

The fire water network comprising of fire pumps and fire water header (underground and aboveground) is the only source of fire water supply to the associated fire protection systems such as hydrants, monitors, MVWS, HVWS and Water spray system, Semi - fixed foam systems, etc. The network is provided with number of isolation valves incorporated at strategic locations so that the repair and maintenance of the fire pumps,

fire water headers, isolation valves and all other related downstream systems is carried out whenever required without endangering safety of the plants in the complex.
Whenever fire water network isolation is needed to carry out any repair or maintenance job of hydrants, monitors, MVWS, HVWS and Water spray system, Semi - fixed foam systems, etc., inform Fire & Safety to isolate required section/loop of fire water network. Fire & Safety is responsible for isolation/de-isolation of any section/ loop of fire water network and will maintain record of isolation/de-isolation in

prescribed format as per Annexure – 20. Isolation tag "Do Not Operate" to be provided on isolated valves.

18. Risk Assessment (RA)

Risk Assessment is a technique that shall be used for identification and assessment of the risks from critical works carried out in the BPCL facilities. After the assessment of the risk, control measures are implemented to reduce the risk to acceptable or tolerable levels.

a. Risk Assessment shall be carried out for all Critical works (Hot work permit, Excavation (P2 & P2a)/ confined space entry(P3)/ Electrical Work Permit (P4) and Cold work permit non routine. A copy of the RA sheet shall be attached with the permits.
b. Copy of the approved RA sheets shall be kept along with the permit and displayed at the work site. The risk assessment sheet shall be returned to the issuer along
c. with closed permit for records.
d. Conducting RA for non-critical works (Hot/Cold routine permits) shall be discretion of Area GSI.
j. Risk Assessment shall be carried out by respective GSI for process/operation dept. Executor risk assessment (E-RA) will be submitted by job executor and get it approved by his/her line incharge as E-RA Approver covering all engineering and equipment hazards of executing department/agency.
e. As per the case requirement in critical jobs a Multidisciplinary RA will be made in which process/operation, Executor Department, Fire & Safety, TS, Inspection or any other department if required will participate and prepare risk assessment

sheet. In some Cases, O&M Agency shall also get involved in preparation of RA or may be called in for participation as per applicability.

18.1 RA Procedure

a. Selection of Task for RA

The task selected shall be divided into basic job steps in order to determine the risk involved, precautionary measures and contingency plant required to mitigate the risk.

b. Potential Hazards

It is highly essential to identify potential hazards associated with each step of the task to be accomplished. Every possible source of energy (such as electrical,

mechanical, hydraulic, pneumatic) damage as well as injury must be identified. It is required to look the entire work sequence & location to determine every possible hazard that might exist.

c. Control Measures

a. Based on the sequence of steps and potential hazards associated with each step, the control measure shall be adopted to eliminate, control or minimize hazards that could lead to accidents, injuries, damage to environment or possible occupational illness.

b. Each precaution shall correspond to the job steps and identified hazards.

c. RA for jobs that involve the use of chemicals should include a review of MSDS sheet as a part of RA.

d. Contingency Plan

Contingency plan is to be prepared for identified hazards. Contingency plan should comprise details of action taken in case of any emergency.

e. Departmental HIRA

If applicable, Departmental HIRA should be used as a cross reference for identifying hazards involved in selected jobs for RA.

f. RA Format

A Risk assessment format is given in Annexure - 13, which is to be used for record & to carry out RA for a particular task or activity.

19.General Information

a. If the work is being earned out on equipment which has owner other than the issuing area the area owner issues the work permit & is then counter signed by equipment owner shift Incharge/ Area Owner of the equipment.

b. It is advisable to prepare a relevant sketch / P&ID duly identified and marked with locations of isolations including inter plant isolations, adjacent lines / equipment to be protected, etc., and attach the same with the work permit.

c. No person shall issue a permit to himself.

d. In case a job has to be earned out by a contractor, the application shall be made by respective BPCL maintenance personnel under whose supervision the work is going to be earned out. All such permits are registered in the name of concerned maintenance personnel. However name of the contractor shall be indicated on the permit and the Contractor Supervisor shall sign the permit to ensure that he understands and accepts the conditions mentioned in the permit. In case contractor supervisor is not required, please mention NA (not applicable) in the signature column of acknowledgement.

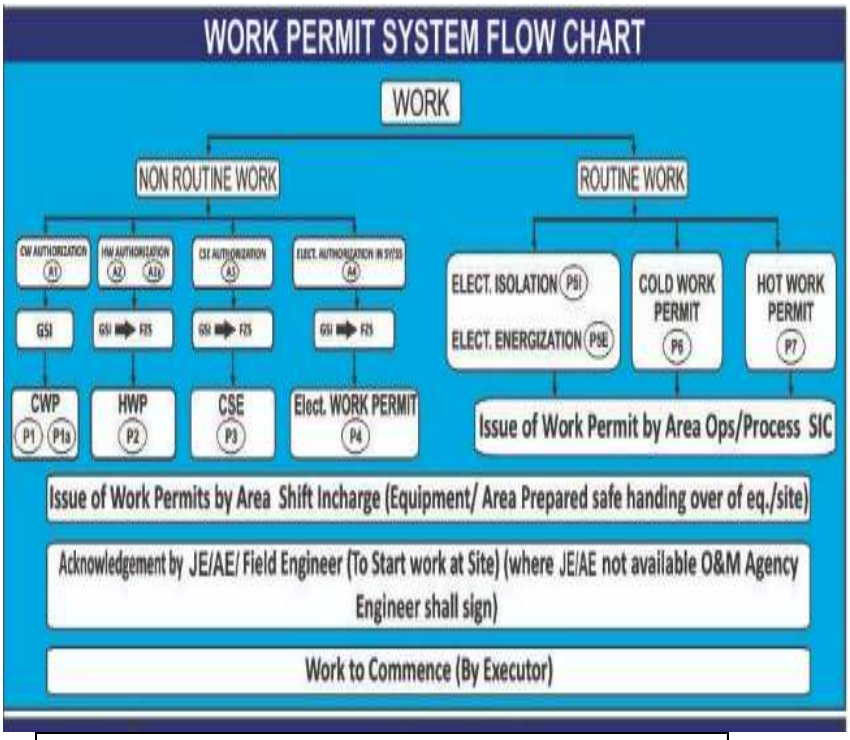
e. In cases different groups of a single contractor are working in the same unit carrying different jobs, then each group will be issued a separate permit depending on the nature of job. In cases the job are earned out at separate locations with same executing /contractor agencies then separate permit respective to the each location shall be issued.

f. Permits for general jobs in sub-stations or SRR like welding, cutting, floor repair, painting, excavation, etc., shall be issued by shift engineer or by concerned electrical/instrument engineer. Counter signed by Shift Incharge is required if the plant is affected.

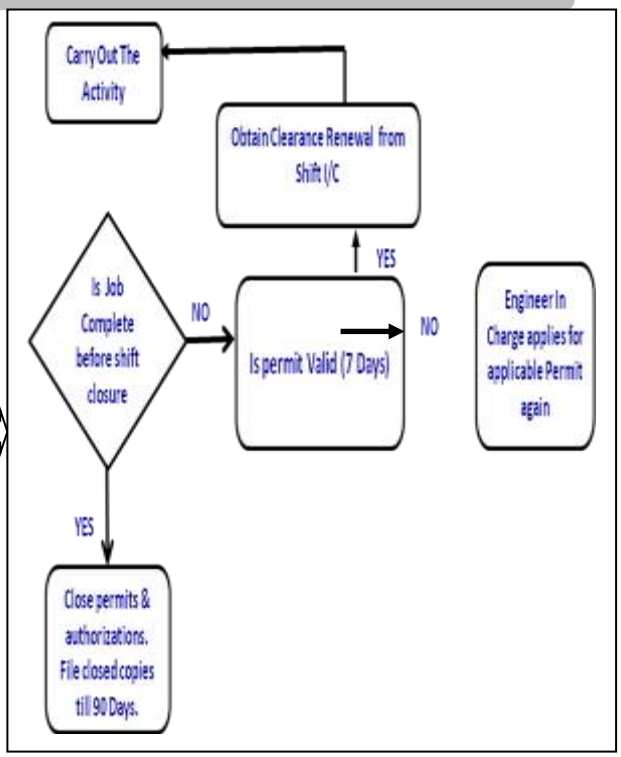
19.1 Flow Chart:

Depending upon the type of work to be earned out the Executor will approach the respective GSI / FZS as per the Fire Zones Distribution. The process for the permits & permission is on next page:

WORK PERMIT FLOW CHART



RENEWAL/CLOSURE OF THE PERMIT



Types of Permit	
Routine Work Permits	
Permit Codes	Type of work Work
P5 I	Electrical Isolation
P5 E	Energization
P6	Routine Cold Jobs
P7	Routine Hot Jobs
Non Routine Work Permits	
Permit Codes	Type of work Work
P1	Cold job, Vessel box up &Radiography
P1 a	Working at Height
P2	Hot job, Use of 230/440 V &Excavation work
P3	Confined Space Entry
P4	Electrical Work()Use of 230/240 V at Sub Station

COUNTERSIGN REQUIRED	
WHEN	AUTHORIZED PERSON
ELECTRICAL (>230v)	AREA ELECT. ENGINEER
EXCAVATION	Elect, Civil, IT, Inst, F&S, TS, Area GSI
RADIOGRAPHY	RSO/Inst./Insp.
WORK ON COMMON EQUIPMENTS/AREA	EQUIPMENT / AREA OWNERS
JOB ON FIRE HEADER	SR. MANAGER/MANAGER - FIRE
DYKE CUTTING	DGM/GM-TS
HOT TAPPING	CGM (MFG)
ROAD CUTTING	SR.MGR/CHIEF MGR/DGM-F&S

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Designation	Mgr. (F & S)	CM (F & S)

WORK IN DIFFERENT CATEGORY

Work	Routine Work		Non Routine Work	
PERMITS	COLD WORK & ELECT. ISOLATION & ENERGIZATION	HOT WORK	COLD WORK, RADIOGRAPHY, VESSEL BOXUP, WORK AT HEIGHT & CSE	HOT WORK, EXCAVATION, CSE & ELECTRICAL WORK IN SS/SWITCH YARD
Sr. No.	Authorization not required		Authorization by GSI / FZS / HOD	
1	Cold cutting.	Dechoking and cleaning of process and utility line.	Erection and removal of scaffolding (working above 1.8 mts height.).	Welding/Cutting/Grinding/Buffing/Drilling.
2	Cold insulation job.	Providing temporary extra electrical lighting / connection.	Opening of Turbine, pumps and compressors including sumps and crank cases where applicable.	Spark producing hand tools in Hazardous Zone.
3	Hydro testing.	Chipping	Maintenance work on electrical equipment in the process area.	Diesel / motor driven mobile equipment such as dewatering pump.
4	Manual Excavation.	Vehicle entry inside battery limit	Work on fragile roof.	Use of equipment operated by internal combustion engines/ non-routine diesel / IC driven equipment.
5	Replacing lamps.	Photography	Painting of equipment, Pipelines or Technical Structure inside process area/ battery limit.	Road Closure /making/repairs with asphalting.
6	Painting/Spray painting.	Use of battery operated equipment	Shot Blasting.	Hacksaw cutting on Hydrocarbon line.
7	Road closure / making / repairs without asphalting.	Fire water network Isolation within unit.	Unsure / Cold non-routine activities.	Holiday test.
8	Suction strainer cleaning excluding hydrocarbon service.		Fermenting & online sealing.	Dyke cutting.
9	Glands, seal bearing replacement excluding hydrocarbon service.		Pneumatic testing.	Flare line blinding / de-blinding.
10	Routine preventive maintenance of pumps /motors valves / exchangers.		Use of lifting tools	Confined space/Inert atmosphere entry.
11			Vessel Box up	Hot bolting/ bolt tightening machine using electrically driven motor.
12			Suction strainer cleaning involving hydrocarbon service.	Pneumatic operated chisel / breaker.
13			Piping, valves, fittings replacement.	Fire water network isolation entire unit/more than one unit.
14			Masonry / construction job.	Erection of equipment/Structure etc. in the plant battery limit.
15			Glands, seal bearing replacement of hydrocarbon service.	Blinding and deblinding activities where toxic gas, High temperature/pressure hydrocarbon etc. is expected to come out.
16			Any other job which was not covered under cold work routine permit.	Hot tapping involving welding & drilling of pipelines.
17			Work involving radioactive source Isolation/Shifting, x-ray & radiography equipment.	Road cutting using powered tools.
18				Cable jointing.
19				Hydro jetting.

Note :

A. Risk assessment shall be carried out for all critical works (Hot work permit/Cold work permit/Electrical work permit/ confined space entry) A copy of the R.A. Sheet shall be attached with permits.

B. Conducting R.A. for non critical works (Hot/Cold Routine) Shall be discretion of Area GSI.

C. Uploading RA and E-RA is compulsory for non-routine jobs with required approval cycles.

	Prepared By	Reviewed & Issued By
Designation	Mgr. (F & S)	CM (F & S)

20. Process common to all the permits:

a. The Executor and issuer shall jointly visit the site and assess the risk of the job and the compliance of conditions specified by GSI / FZS. Upon his satisfaction the permit will be issued by the Shift In-Charge.

b. All maintenance/ inspection / construction jobs in the Refinery complex at a height of 1.8 meter or above where permanent access and platform is not provided. Scaffolding with proper access shall be prepared & certified by Mechanical Maintenance engineer.

c. Separate permits shall be issued for preparatory jobs like equipment blinding, isolation, scaffolding erection, etc. before a permit is issued for actual job execution.

d. Hot & CSE Permit shall be made in triplicate. Cold Work permit will be made in duplicate. The Executor shall take the original copy for display, the second copy shall be retained by the issuer and the third copy sent to Fire & Safety Department in case of Hot & CSE permits. In case of Cold Work Permit no copy is required to be sent to Fire & Safety.

e. All Hot & CSE permits shall be registered with the fire department by the issuer over telephone and a registration number to be obtained which will be mentioned in the permit.

f. Necessary gas testing shall be done by the AE /JE where AE /JE not available the person nominated by plant SIC may take gas test. who shall be authorized by Fire & Safety after proper training. Gas testing shall be done after 30 minutes once purging is completed / stopped to ensure correct reading. Results of gas testing are entered in the permit in the appropriate location. Gas testing shall be done as per the frequency specified in the permit but during each renewal. Gas Testing Reading shall be mentioned in Plant SIC Log Book also as permit he can mention in the starting of shift. In case of a hot work in CSE gas test shall be earned out after every break in the job.

g. Jobs which require assistance of Fire crew for standby purposes shall be communicated to the fire department a day in advance by the issuer. Area Owner / Section Head in consultation with Mgr/CM of F&S will decide regarding such requirements.

h. Before commencing work, the field officer (may be a O&M Agency Engineer if authorized to do so by head of area and F&S dept.) or A. E.(wherever available) shall ensure that necessary precautions have been completed as detailed in the permit and acknowledge that the job has commenced in his presence by signing on the permit copy of the Executor.

i. If an emergency, siren is sounded in the plant/area while hot work is in progress, then all the hot jobs shall be stopped until all clear siren is sounded.
Except for the routine testing of siren.

j. A blanket permit for one week will be issued. However, for hot works normal procedure for hot work shall apply.

k. In case of BPCL operated Workshops /Contractor Yards a blanket Hot work permit for 1 week validity /will be issued. However the scope of activities shall be defined in the permit.

l. Validity and Extension

a) Issuer & Executor shall inspect the work site before giving clearance for the job.
b) Hot Work Permits & Cold Work Permits can be issued for a total seven calendar days maximum.
c) In case the job is continued beyond the shift of permit issue the Executor has to renew the permit every shift in which the job is to be earned out from the issuer.
d) The issuer and AE/O&M Agency Engineer shall inspect the job location before renewing the permit.
e) Renewals for Hot Works shall be registered with Fire & Safety Department.
f) GSI / FZS can extend the permit validity for a maximum 7 days. For work beyond seven days, a new work permit has to be issued after closing the present work permit as per the same procedure followed before.
g) Details of renewal /extension shall be recorded on the permit

21. General Safety Guidelines

a. Cold Work Permit

a. Issuer shall ensure that, before issuing a Cold Work Permit, all necessary preparations are done to ensure that the work can be undertaken in a safe manner.

b. Executor shall ensure that tools used do not produce any spark (ex. brass hammer, running water while concrete chipping, cold cutting or cold drilling).

c. Executor shall indicate to issuer that his battery/electric-operated items are intrinsically safe or explosion-proof. If not he/she shall provide necessary requirements to counter any emergency and safeguarding dangers involved.

d. Respiratory protection will be required while working in open areas due to presence or the possibility of release of toxic/flammable gas during the course of work. Only trained personnel shall wear appropriate respiratory protection.

e. Gas masks (cartridge respirators)/ Escape air mask can be worn if the toxic concentration is known but is not Immediately Dangerous to Life or Health. Escape air mask or self-contained breathing apparatus (SCBA) shall be available for emergency use.

f. Airline Mask with escape cylinder shall be used if toxic concentration exceeds TLV level. An attendant (standby man) ready with SCBA/ Air Mask shall remain in a nearby safe area, upwind of the job site and in line of sight of the work area, to undertake any rescue if required. He shall be equipped with proper means of communication with workers.

a. Work on or near (but not inside) any vessel, pipeline, pump, etc., which had been in the service of products containing Hydrogen Sulfide (H_2S) shall be handled with additional precautions.

b. Permit for Hot Work/Excavation/Critical Works (P2)/Confined Space Entry(P3)/ Electrical Work Permit(P4)

a. Permits shall be issued only if the atmosphere is free from flammable gases and all applicable isolations are identified and in place with proper tagging. Any reading on the explosimeter/LEL Meter/other portable or area monitor other than zero reading (0% LEL) indicates unsafe condition and hence permit shall not be issued.

b. If the hot work has to be done in a confined space, a check also is to be done to ensure that 19.5%-22.5% v/v oxygen is available inside confined space/vessel where hot work is to be earned out. If the oxygen concentration is more than 22.5 %, permit shall not be issued. A confined space/vessel entry permit shall also be obtained for all hot works planned to be earned out inside confined space. Gas Test shall be earned out after every break in hot work inside a Confined Space.

c. The issuer shall also ensure that there is no extraneous combustible material present within 8 meters' spherical distance from the job location. All the Hot work jobs are required to be effectively covered with welding blankets. When the job is done at height, running water hose should be provided for quenching the falling sparks. In other cases, the fire water hose can be kept ready with slight opening of the valve.

d. While hot work is in progress, no other conflicting hazardous work like breaking of lines, venting of flammable material from nearby equipment etc. shall be carried out. Issuer of the hot work permit must ensure that Panel Officer is aware of the job. Process parameters should be adequately monitored to ensure that there is no release from safety devices in to open atmosphere.

e. No hot work shall be allowed on associated pipelines/ equipment unless isolated and purged accordingly.

f. All the pipe lines/ equipment carrying hydrocarbons related to job location should necessary be depressurized, gas freed, steamed out, nitrogen purged, positively isolated and made free from residual material as per the standard operating procedure of the equipment preparation as approved by Area Owner.

g. The Executor shall make a stand by men available at job locations where hazardous materials are either stored or processed within 8 m. radius of hot

work. If sparks can fall on the places more than 8 m away, then those areas should also be covered with welding blankets.

h. While gas cutting or burning inside a confined space/vessel, the gas cutting torch / hoses shall not remain inside a confined space/vessel when not in use unless they have been disconnected from the gas cylinders. The gas cylinders should remain outside the confined space all the time. The acetylene cylinders shall be covered with wet welding blanket and shall be kept in upright position in a trolley.

i. All non-flame proof electric arc welding equipment shall be located in an area tested for free from flammable materials.

j. All Types of photography/Videography work inside the operational areas of plants shall be permitted with issuance of hot work permit. Other approval /Permission shall be taken as per Admin / Security Procedures.

k. All portable power tools viz. grinding machine, drilling machine shall be given electrical supply through ELCB/or any other workable circuit breaker only.

l. It is recommended that all portable power tools / equipment in use shall be tested and certified by electrical maintenance department.

m. For all practical purposes, the pipe works such as hydrocarbon lines, sprinkler lines etc. shall be removed from the plant for welding. The surrounding area shall be cordoned off and wet welding blankets should be used to prevent sparks flying through air.

n. For carrying out welding on on-line equipment, separate approved procedure made by Engineering department shall be followed.

o. Issuer / Executor must review the requirements of hot jobs in the plant. Hot works are to be earned out in the plant only in the cases it is impossible to carry out the same away from the plant. Fabrication to the extent possible shall always be done away from the plant in contractor shed / fabrication shop and only final hot jobs shall be done at the site, Also planning and prioritization of hot job is to be done in advance

p. While carrying out oxy-acetylene welding/cutting, it is recommended that Projects & Engineering services/ Mechanical maintenance engineer shall verify for valid inspection record of the particular gas cutting set as per approved procedure of engineering services - mechanical maintenance department.

q. Gas cutting set cylinders should always be carry in trolley. Carrying cylinders in loose fashion viz. on shoulder, by rolling shall not be permitted.

r. For excavation job using power equipment hot work permit and permission for excavation is required. For manual excavation work cold clearance and permission for excavation is required. The issuer, acceptance and validity for the check sheet will be applicable as per the permit procedure described in the various sections.

s. Mark excavation job in hot work permit as applicable.

t. Permission to be signed by respective departments prior to excavation job as mentioned in Annexure – 8.

u. For radiography job, cold work permit to be taken. The issuer, acceptance and validity for the check sheet will be applicable as per the permit procedure described in the various sections.

v. Mark the Radiography job in cold work permit as applicable. RSO permission is required before taking any cold work permit involving radiography.

c. <u>Electrical Isolation / Restoration coupled with LOTO</u>

a. The request for electrical isolation / restoration permit is made up of single sheet with Section A and B. Section A is to be prepared for electrical isolation / de-energization and Section B shall be prepared for de isolation / energization after completing the JOB.

b. Operations Shift Incharge requiring isolation of electrical power, first makes the request for electrical isolation and it is sent to Electrical Department for carrying out the isolation.

c. After isolating the electrical power, taking adequate applicable safety precautions as specified and providing pad lock and fixing the 'danger tag' on the panel, the electrical engineer or his authorized officer acknowledges the same and send permit to Operation department along with pad lock key. Please check Danger Isolation tag in Annexure – 17.

d. The shift Incharge keeps the key displayed in Control Room and then hand over the permit to maintenance engineer (permit Executor) after his endorsement.

e. When the job is completed and power restoration is required, the maintenance engineer fills the relevant section in the permit and returns to Operation department along with pad lock key after his endorsement. Operations send this to Electrical department by filling request portion of Section B for Restoration of the electrical power. Electrical engineer upon receipt of pad lock key & permit restores the power supply and acknowledges the same in the permit and send back to Operations after keeping a copy in his records.

f. Electrical engineer shall also maintain an independent register of recording of electrical isolations / restorations in the substation.

g. In case the isolation is required for Electrical Department activities the permit will be issued by the Electrical Department GSI of the area and countersign from Process if required shall be obtained.

d. Permission for Excavation and Radiography in addition to permit through system

Permission required for Excavation and Radiography jobs and take hot work and cold permit respectively as per Annexure - 4. It is a written document in approved prescribed formats for specific work or activity and is an integral part of attachment to the associated hot work permit. The issue, acceptance and validity for the check sheet shall be applicable as per the permit procedure described in the various sections.

e. Confined Space Entry

Special Care for Confined Space Entry

This permit is required for entry of personnel into confined spaces/vessel for the purpose of repair / maintenance / inspection / cleaning works. In practical terms confined spaces/vessel at refinery complex would mean space containing or having contained or space which may have contained gas, hydrocarbons, chemicals or deficient in oxygen for normal breathing and it is not designed for continuous human occupancy. Some of the examples of confined space are oil tanks, water tanks, condensate tanks, columns, reactors, oil water sewer pits, coolers, condensers, reservoirs, pipe lines, tanker trucks, skirts of column and vessels, floating roof decks etc. Prior to issue of a confined space / vessel entry permit the following activities shall be completed:

h. Draining
i. Removal of sludge
j. Washing
k. Purging
l. Positive Isolation Ventilation
m. Confined space atmosphere testing
n. Radiation level check

f. Positive Isolation

a. Physical disconnection and slip plating are both acceptable means of mechanical / positive isolation for the purpose of entry into confined space/vessel. Shift engineer should prepare a list of all positive isolations done in a standard prescribed blind list before issuing confined space / vessel entry permit.
b. All instrument purge connections (N2, steam, etc.,) must also be positively blanked off. Location of blinds / slip plates should be as close to the vessel as possible.
c. All the associated electrical systems shall be isolated by issue of electrical isolation permit.
d. Blind List showing the equipment sketch (P & ID) and location of mechanical isolations shall be attached to the display copy of the permit.
e. Cross reference of other permits issued for mechanical isolation shall be entered into the confined space entry permit.
f. Positive Isolation certificate to be filled and issued to Executer with original copy. Duplicate copy of certificate to be kept for reference along with Shift Engineer.

g. Ventilation

Dispersal of fumes generated inside confined space / vessel by jobs like those that of welding, grinding, gouging etc. shall be done by using air movers / exhaust fans. However, such requirements shall be indicated by the issuer in the permit itself.

h. Atmosphere Testing

Before the initial entry is made into a confined space/vessel, the atmosphere shall be tested to determine whether it is safe for entry with or without breathing apparatus. The internal atmosphere of a confined space is free from danger once the following conditions are established. In case of it is required to enter a vessel for gas test by the Issuer, CSE permit shall be obtained which will be issued by the GSI of the area to the Gas Testing Authority (Shift Incharge). The gas test section

in this case shall not apply. However necessary respiratory protection shall be used and all other conditions shall be complied.

a. The oxygen content is between 19.5 and 22.5 % v/v.
b. The explosive meter tests, if relevant, indicate the absence of flammable gas or vapor.
c. The concentration of toxic gases or vapors is at a safe level i.e., less than the 50 % value of TLV. Vessel entry where no hot work is to be earned out may be permitted if combustible gases are up to 5 % of the Lower Explosive limit. Entry with a fresh air line mask may be permitted with LEL up to 50 %.
d. The gas testing shall be conducted from outside a confined space/vessel, but if it is necessary to enter to enable sampling, approved breathing apparatus shall be worn. Distress alarm may be worn for all confined space entries. In such cases gas tester shall obtain confine space entry permit. This permit shall fulfill all the condition of CSE permit except gas concentration test.
e. The results of the gas test shall be entered in the permit and duly signed. Periodic gas tests results shall also be entered on the permit copies.
f. Air Supply : Mechanical Air Ventilation to the confined space shall be stopped 30 minutes prior to atmosphere testing. This will enable correct reading of the atmosphere in the vessel. The ventilation should be restarted and maintained during the vessel entry.

i. Radiation Sources

Where radioisotopes are installed inside a confined space/vessel, the radioactive source must be withdrawn into the source holder and the shutter closed and locked before an entry permit is issued. If this is not possible, the source must be physically removed.

j. Electrical isolations

Positive isolation of all equipment operated by electric supply and associated/attached to the equipment shall be done in accordance with the procedure outlined in this document.

k. General Safety Precautions

a. In case of single man way vessels, it is to be ensured that adequate ventilation is ensured by opening / disconnecting flanges / nozzles of the vessel.
b. A trained standby person with appropriate BA set/other rescue devices should be provided by the Executor to keep in regular contact with the person(s) working inside confined space and to raise alarm in the event of an emergency.
c. The standby person shall maintain a list of persons working in confined space and shall collect the identity cards of the persons. He shall log the time spent in the vessel/ confined space. He should have emergency communication devices like radio set.

d. Always use special gadgets like fall arrest system with full body harness with double lanyard life line, distress alarm etc., while working inside deep vessels, columns, etc.
e. The standby person shall always remain at the man entry point. In case of more entry point separate standby persons shall kept for every man entry point.
f. Entrances or manholes shall be suitably covered and caution notice should be displayed at all times except when an entry permit is in force.
g. All the persons entering a confined space/vessel shall formally receive training in "Use of breathing apparatus".
h. Entry into hot equipment shall not be permitted unless the temperature has come down to below 50°C in the confined space and maintained with or without artificial ventilation.
i. All illumination hand lamps should be of max. 24V only. The hand lamp should have the lamp guard. For using in flammable atmosphere the hand lamps should be flame proof type only.
j. Use of 230V operated portable power tools / any other electrical device inside a confined space/vessel is prohibited.
k. Electrical equipment including lamps shall be in line with Hazardous Area Classification of the area.
l. Non Flame proof electrical equipment may be permitted for use in hazardous areas only when the area is declared as free from hydrocarbons.
m. In case of emergencies like toxic gas release or fire, the persons working in confined space must be withdrawn outside. The existing permit shall be closed in such cases and a fresh permit shall be issued after due Risk Assessment.

n. Persons shall also be withdrawn from the confined space whenever air mover / exhaust fan has stopped and also in case of power failure.

o. As far as possible use of volatile solvents shall be prohibited inside the confined spaces. If use of solvents is absolutely necessary, then no hot work permit is allowed inside the confined space. Suitable risk assessment shall be done and recorded in such cases.

p. When manholes are not provided at the ground level as an access or not provided with a platform at an elevated position, a scaffolding platform must be erected & certified prior to entry.

q. In case of requirement to enter a confined space by the plant person for carrying out gas test inside the authorization shall be obtained from the Area GSI / FZS.

22.Radiography and Nucleonic Level Gauges

22.1 Permission for Radiography

Permission for radiography is required while carrying out any radiography of weld joints. The competency of authorized agency to be verified and should be filled in the permission for radiography. The RSO of the agency should ensure its compliance. The inspection department should endorse it in approval section.

The executor is responsible to mention job details in the permission for radiography and will request inspection department to carry out radiography.

The contractor supervisor should acknowledge that necessary precautions/compliance is ensured.

Mandatory Precautions –

a. Precautionary boards are to be displayed at work site.

b. Radiation level at barricaded perimeter should be as per AERB limit and it is to be ensured by contractor Supervisor while performing the job.

c. Radioactive Source to be stored in AERB approved pit rooms.

22.2 Nucleonic Level Gauge Isolation

a. Obtain Valid Work Permit from Operation for attending the specified nucleonic level gauge.

b. Ensure that permit is counter signed by RSO.

c. Ensure that radiation survey has been done by RSO and max radiation dose rate at working place has been mentioned in permit with time stamp.

d. Ensure that mentioned dose rate in permit are well within safe limit.

e. Ensure that specific radioactive source shutter is OFF and locked.

22.3 General Safety Precautions for Radiography Source

a. Factory Manager shall notify the name of approved Radiological Safety Officer as per the guidelines of BARC, Mumbai.

b. Radiation survey meters shall be calibrated once in a year through a vendor approved by BARC, Mumbai. It shall be taken care by RSO.

c. The location where work with ionizing radiation sources are to be earned out must be barricaded from all sides with radiation warning signs. During dark hours, additional warning lights must be placed near the radiation signs.

d. The Executor must ensure that unauthorized persons shall not enter the radiation zone. The Executor shall intimate the RSM just before starting the radiography.

e. Radio - active sources for non - destructive material analysis shall not be left unattended without supervision of a Radiological Safety Officer or a trained and authorized person on an installation or department.

23.Precautions for Excavations

The excavation authorization is applicable to all excavations regardless of the depth. Excavation includes digging, road cutting, removing soil, etc. using mechanical equipment or manually in BPCL Refinery Complex. Excavation Permission is valid for Maximum 30 days.

23.1Clearances of Permission Note in online system:

a. Executor shall obtain clearances from the Elect, Civil, IT, Inst, F&S, TS, Area GSI who shall check the underground services presence before issuing clearance for excavation online.

b. While issuing clearances, the section Incharge shall clearly mention whether the underground cables / service lines exist or not. In case of cables or existence of service lines, specific precautions shall be mentioned very clearly in the authorization.

c. In case the cables / service lines are present, no mechanical excavation is permitted. All digging shall be earned out manually in the presence of the concerned engineer /in-charge.

d. In case of presence of live cables, isolation of power should be considered before work is started.
e. If the depth of exaction is more than 1.2 Meter then such excavation shall be considered as a confined space, and to work or enter in such area, confine space entry authorization shall be issued.

24. General safety precautions

a. Excavation of roads should be earned out in such a way that one half of the road is always available for movement in case of emergency.
b. If the depth of excavation is more than 1.5 meter or more depending upon the soil condition, it shall be shored or sides shall be sloped back to a safe angle.
c. Excavated area shall be suitably barricaded. Barricading should be luminous and visible in the night. It should be done from all possible entry / movement sides and at least at a distance of 1 meter away from the excavated land / opening.
d. If water seepage is seen into the excavated pit, then work should be stopped, dewatering should be done prior to restart of the job.
e. Dump the earth at least 1 meter away from the edge of the excavation or one half of the depth of the pit whichever is more.
f. Safe means of access & egress from excavated pit should be provided.
g. All excavation work shall be stopped if there is any emergency alarm in the plant/area and seepage of toxic / hazardous material observed in the excavated area.
h. Where the existence of underground service lines is suspected or the exact route / location is not known, sample excavations shall be done manually to identify the existence / location of the cable, pipeline etc.
i. It is the responsibility of the Executor to ensure that the excavated area is cleared of all debris, tools and other unwanted equipment from the job sit.
j. It is recommended to carry out the excavation job in the day time except in emergency, In case the excavated area gets water logged due to seepage, arrangements should be made to clear the water before carrying out welding. Water logged pits can be potential hazard.
k. Shoring up to be done for deeply excavated areas.

25. Stop work authority:

A Stop Work Authority program is a safety-based process. Stop Work Authority is essential because it saves time and resources. It can stop the emotional impact of incidents in the workplace and build a safety culture. It's an easy way for employers to empower employees in the safety culture of their own workplace.

It gives every employee and contract worker, the permission to stop work in situations that could result in an incident or injury. For instance, an employee/contract worker could stop work if they see: an unsafe condition or an unsafe act happening.

Stop Work Authority should be initiated for conditions or behaviours that threaten danger or imminent danger to person(s), equipment or the environment. Situations that warrant a Stop Work Authority may include, but are not limited to the following:

- Change in conditions
- Changes to scope of work or work plan
- Emergency situation
- Equipment used improperly
- Lack of knowledge, understanding or information
- Near-miss incident
- Unsafe conditions
- Alarms

Steps of a Stop Work Authority procedure are:

- Stop the work.
- Notify the supervisor, SIC or EIC.
- Investigate the stop work action.
- Correct the situation.
- Resume the work.
- Follow up.

26.Records

1. Records of the closed work permits and the check sheets shall be maintained by issuer, Executor, and copy recipients at the designated places in the plants / units.

	Prepared By	Reviewed & Issued By
Designation	Mgr. (F & S)	CM (F & S)

2. Copies of all completed /used permits/ authorization/Tags/Annexure shall be properly filed & kept as record for future reference for at least three months, (i.e. Last three months closed /completed permits/Tags/Annexure shall be kept as record).
3. A register for daily permits shall be maintained either in hard copy or soft copy, to keep track of all the issued/renewed permits. Format for daily permit register is given in the **Annexure - 15**.
4. O&M Permits will be for CPP, Utility and BDT Areas only (After Due Approvals).

27. Verification, Corrective and Preventive action:

Concerned HOD shall ensure the implementation of the above procedure. In case of any deviation corrective and preventive actions shall be initiated.

28. Storage of Records & Retention Time:

Record Title	Record No.	Location	Responsibility	Retention Time
Work Permit System	--	Respective Department	Respective HOD/Incharge	3 Months

Annexure-1

EXPLANATORY NOTES TO WORK PERMIT FORMS/AS PER OISD 105

a. **Exact Location (Area / Unit / Equipment no):** Exact location of the area or the unit in which the work is to be carried out shall be written against it.

b. **Description of work:** Precise description of the work to be performed shall be written. Sketches should be attached wherever possible to avoid miscommunication.

c. **Equipment / Area inspected:** Equipment or area where work is to be conducted, should be inspected to ensure that it is safe to carry out the work and assess other safety requirements / stipulations. In case of equipment / vessel box-up permit, it should be ensured that the work is complete, all personnel are out, no maintenance gear is left behind and debris removed.

d. **Surrounding area checked / cleaned:** Unsafe conditions for performance of work may arise from surrounding area. It should be cleaned-up to remove flammable material such as oil, rags, grass etc.

e. Sewers, Manholes, Closed Blow Down (CBD) etc. and Hot Surfaces covered: Flammable gases may be released from nearby sewers. Hot un-insulated surfaces (equipment / pipelines) may provide a source of ignition and therefore, these are to be properly covered to prevent fire.

f. Hazard from other routine / non-routine operations considered and persons alerted: Other activities (routine / non-routine) being carried out near-by, which can create conditions unsafe for performance of the permit work, should be taken into consideration and the concerned persons should be alerted accordingly.

g. **Equipment electrically isolated and tagged:** Before issuing a permit, it shall be ensured that electrical isolation has been done, switches are locked-out and cautionary tags duly signed with date and time are attached.

h. Running water hose / Portable extinguisher provided / Fire water system available: Running water hose and portable fire extinguisher are required to flush /

dilute in case of release of any hazardous chemical or to quench sparks and to put out small fires immediately.

i. **In order to meet any contingency**, it should be ensured that the fire water system including firewater pumps, storage, network etc. is checked and kept ready for immediate use.

j. **Equipment blinded / disconnected / closed / isolated / wedge opened:** Equipment for which the work permit is being issued, should be isolated from the rest of the plant in order to ensure that there is no change in the work environment with respect to presence of toxic / flammable gases, liquids, hazardous chemicals etc. in the course of the work.

k. **Blinding is one of the most effective ways of isolation.** Blinds should be installed as close to the equipment as possible. If lines cannot be blinded, these should be disconnected and the open ends should be made safe by installing pipe caps / plugs, blind flanges etc.

l. **Equipment properly drained / depressurized:** Equipment under pressure should be depressurized after isolation. This should be followed by draining / purging / water flushing etc. as the case may be.

m. **Equipment containing liquid hydrocarbons should be drained completely.** There may be a possibility of overlooking of liquid collected in pockets or inaccessible areas such as level gauges, small nozzles / bleeders on vessels, laterals in pipe work etc. All low point drains should be in unplugged condition.

n. **Equipment properly steamed / purged:** Purging of equipment (tanks, vessels, pipelines etc.) is done to make them free of flammable hydrocarbon and toxic gases. Steam / Inert Gas is used for gas freeing of vessels and pipes in refineries and other locations. Other means of purging is by displacement with water and final traces of gas removed by properly earthed air educator. All high point vents should be unplugged while purging. It should be done in a systematic manner to cover the entire equipment / plant and continued till the concentration of toxic / flammable gas is lowered to allowable level.

o. **Equipment water flushed:** Water flushing is an effective means of cooling, cleaning and even gas freeing of equipment. It is also employed to remove traces of acids / chemicals. Equipment metallurgy must be considered before using sea / saline water. Sometimes, flushing with dematerialized water would be necessary depending upon the metallurgy of the equipment.

p. **Gas / Oxygen deficiency test done:** Gas test includes measurement of:

   i. Hydrocarbons by Explosive meter Oxygen Deficiency by Oxygen Meter

ii. Toxic gases like Hydrogen Sulphide, Carbon Monoxide, Nickel Carbonyl, and Chlorine etc. by techniques like Indicator Tube method, Lead Acetate Paper etc.

q. **Shield against sparks provided:** Hot works like welding, grinding etc. generates sparks which can provide source of ignition to the surroundings. In order to protect operating area from the hazards of sparks generated, shields are to be provided to contain the sparks generated. The shield material should be non-flammable and should be kept wet with water.

r. **Proper ventilation and lighting provided:** Where natural ventilation is not available, fans / air educators are provided. These are also required for speedy dispersal of fumes generated by welding job. Only approved reduced voltage extension lights (not exceeding 24 volts) are to be allowed for work inside vessels from consideration of personal safety.

s. **Proper means of exit provided:** Proper means of exit is required in case of emergencies developed on account of the work or otherwise. Availability of an alternate route of escape should be considered.

t. **Area cordoned off and caution boards provided:** To prevent any unwarranted entry in the work area and also to caution other personnel taking actions which may endanger people working on the permit job, precautionary tags / boards are to be provided to display like "No Entry" sign on roads or "Caution - Men at Work Inside" on the manhole of a vessel, "Danger - Radiography in progress" etc.

u. **Portable equipment / Hose nozzles properly grounded:** As a precaution against static electricity generation, portable equipment / hose nozzles e.g. nozzle of a shot blasting gun, are to be grounded. Use of hydrocarbon lines for earthing should be avoided. 30 mille-amp circuit breaker shall be installed on electrical circuits / cables feeding power supply to portable equipment.

v. **Standby person provided for entry to confined space:** Whenever a person is entering in a confined space, minimum two designated persons shall be kept at the manhole or entry point. The designated person shall be in constant communication with the persons inside the confined space. **Standby personnel provided for fire watch from Process / Maintenance / Contractor / Fire Department:** Depending on the criticality of the job, work permit issuer shall decide the type of standby to be provided i.e. from which department, of which level, how many and also additional fire fighting support facilities etc.

w. **Iron Sulphide removed / kept wet:** Pyrophoric substances may be present in operating area / equipment handling hydrocarbon. Iron Sulphide scale is the most common pyrophoric substance encountered. These should be either removed to safe locations or kept wet all the time to prevent their auto-ignition.

x. Clearance obtained for excavation / Road cut / dyke cutting etc.: **For any excavation work** which may affect underground sewers / telephone lines / cables / pipelines etc., clearance shall be obtained from all the concerned sections. Markers should be put around the area where excavation is to be done and the depth to be indicated in the work permit.

y. Road cutting can hamper the movement of the fire vehicles; initial clearance should be obtained from Fire Department and final approval from the higher designated authorities.

z. When the dyke is cut, any mishap in the tank farm can lead to a free flow of oil to outside the bund. A higher level authority should be designated for authorizing dyke cutting. Further, it should be ensured that dyke would be reconstructed in the shortest possible time.

aa. **Checked spark arrestor on mobile equipment:** No vehicle / engine without spark arrestor shall be permitted in operating areas.

bb. **Checked for oil / gas trapped behind lining in equipment:** Before undertaking hot jobs, a check should be done for oil / gas trapped behind lining in the equipment.

Annexure-2

List of Gas Safety Inspectors & Fire Zone Signatories-BPCL Refinery

Sample Only

FIRE & SAFETY DEPARTMENT – Bina Refinery (BR)

BR/F&S/WPS/GSI/FZS/REV. 20 Date: 05.05.2023

Approved By : CGM (Manufacturing) 5.5.2023

Through : GM (HSSE) 5.5.23

Subject: List of Gas Safety Inspectors & Fire Zone Signatories-Bina Refinery (BR)

In view of recent changes in organisational set up, following changes in the list of GSI & FZS is proposed for smooth & effective implementation of work permit system within Refinery complex along with below guidelines.

1. Revised list of GSI &FZS is as below, which will be effective from 05.05.2023
2. GSI & FZS are responsible for compliance of work permit system and enforcement of fire and safety regulations as per safety manual.
3. This note supersedes all the earlier office notes that have been issued from time to time.
4. All main roads shall be under the scope of offsite area excluding BDT.
5. During silent hours, the continuation of hot work jobs should be avoided; if required, then information shall be given to RSM and Fire SIC after obtaining clearance from concern area owner / HOD & GM (F, S&E).
6. The GSI/FZS list will be updated subject to any organisational changes.

Zone	Area covered under the Fire Zone	Gas Safety Inspector(GSI)	Alternate GSI	Fire Zone Signatory	Alternate FZS
A-1	CDU/VDU block &Main Control Room.	Nilesh Sheshrao Jadhao Mgr. (Process) (CDU/VDU)	Vineet Kumar AM (Process) (CDU/VDU)	Rajesh Nandanwar CM (Process) (CDU/VDU & DCU)	Supriya Sapre DGM (Process) (MSB & KHDS)
A-2	MS Block	Amit K Shrivastava Sr. Mgr. (Process)(MSB)	Ankush Agnihotri AM (Process) (MSB)	Supriya Sapre DGM (Process) (MSB & KHDS)	Rajesh Nandanwar CM (Process) (CDUVDU & DCU)
A-3	Delayed Coker Unit	N. Swaminathan Sr. Mgr. (Process)(DCU)	Umesh Kumar Verma AM. (Process) (DCU)	Rajesh Nandanwar CM (Process) (CDU/VDU & DCU)	Supriya Sapre DGM (Process) (MSB & KHDS)
A-4	Crude & Intermediate Tank farm area (Which includes PS-1, 2, 3.	Pradeep Shahu Mgr. (OFFSITE)	Arvind Singh AM (OFFSITE)	Umesh B Raut DGM (P,U & O)	Rajshekhar Patne CM (P&U)
A-5a	HGU	Om Prakash Singh Mgr. (Process) (HGU)	Yogendra Kumar Singh AM(Process) (HGU)	Yadav H K DGM (Process) (HGU,SRU & HCU)	Supriya Sapre DGM (Process) (MSB & KHDS)
A-5b	SRU. VPSA & Flare Area	Sushant Mahale Mgr.(Process) (SRB)	Praveen Bisht AM (Process) (SRB)	Yadav H K DGM (Process) (HGU,SRU & HCU)	Supriya Sapre DGM (Process) (MSB & KHDS)

A-5c	KHDS	Vedant Mishra Mgr.(Process) (KHDS)	Aamir Hussain Executive (Process) (KHDS)	Supriya Sapre DGM (Process) (MSB & KHDS)	Yadav H K DGM (Process) (HGU,SRU & HCU)
A-6	Hydrocracker unit & facility	Sanjay Ashok Sawant Sr. Mgr. (Process) (HCU)	Deepanshu Srivastava AM (Process) (HCU)	Yadav H K DGM (Process) (HGU,SRU & HCU)	Supriya Sapre DGM (Process) (MSB & KHDS)
A-7	CPP- CFBC and Utility boilers, STG's, BOP and Solid Material handling Systems.	Ambarish Mahajan Mgr. (CPP)	Tarun Kumar Sahu AM-CPP	Rajshekhar Patne CM (P&U)	Umesh B Raut DGM (P,U & O)
A-8	Substation 2,7,9,24,25 & 26	Abhishek Agrawal Mgr. (Electrical)	Sourabh Jain Mgr. (Electrical)	Rijo R S Sr. Mgr. (Electrical)	Ramesh Panchal GM (Electrical)
	Substation 3 & 8	Hemraj Sahu Mgr. (Electrical)	Abhishek Agrawal Mgr. (Electrical)	Rijo R S Sr. Mgr. (Electrical)	Ramesh Panchal GM (Electrical)
	Substation 1,16 & 17	Sourabh Jain Mgr. (Electrical)	Pankaj Kumar Malviya Mgr. (Electrical)	Rijo R S Sr. Mgr. (Electrical)	Ramesh Panchal GM (Electrical)
	Substation 4,5,6,11,12, 14 & 15	Pankaj Kumar Malviya Mgr. (Electrical)	Satyam Mishra Mgr. (Electrical)	Rijo R S Sr. Mgr. (Electrical)	Ramesh Panchal GM (Electrical)
	Substation 10 CPP, UBSS-SS23, MHL-SS -21, Wagon tippler substation SS-19. Old 132KV Swyd-SS20, 220KV Swyd-SS22, CPP-EDG SS-27	Pankaj Kumar Malviya Mgr. (Electrical)	Satyam Mishra Mgr. (Electrical)	Rijo R S Sr. Mgr. (Electrical)	Ramesh Panchal GM (Electrical)
A-9	Satellite Rack Rooms 2/3/4/5/6 & AAQMS	Abhilash Sanodiya Mgr.(Inst.)	Souman Dutta Sr. Mgr. (Inst.)	Nirmalya Nandi CM (Inst.)	Praveen Kumar GM (Inst.)
A-10	Non plant Area Including Admin, Canteen, Training centre & OHC.	Vinay Sharma Mgr. (HR)	D. N. Sharma (HR)	Suraj P. Chaudhari CM (HR)	K. P. Mishra CM (HR)
A-11	Security Facilities &Gates, Boundary Wall and adjoining roads, Open Land Area.	Prashant Raghuvanshi Sr. Mgr. (Security)	D. N. Sharma (HR)	Suraj P. Chaudhari CM (HR)	K. P. Mishra CM (HR)
A-12	Warehouse & Material yards	Deepak Kumar Jain Mgr. (Commercial - Warehouse)	Vaibhav Srivastava AM (Commercial-Warehouse)	Durgendra Sharma Sr. Mgr. (Commercial)	Mukherjee A GM (Commercial)
A-13	Mech. Maint. Workshop	Vinurse Jain Mgr. (Mech.)	Kaushal Joshi Mgr. (Mech.)	Rakesh Sharma Sr. Mgr. (Mech.)	Manish Pandey CM (Mech.)

	Elect Maint. Workshop	Sourabh Jain Mgr. (Electrical)	Abhishek Agrawal Mgr. (Electrical)	Rijo R S Sr. Mgr. (Electrical)	Ramesh Panchal GM (Electrical)
	Inst. Maint. Workshop	Ashwani Kumar Sr. Mgr. (Inst.)	Sathish Ramasamy Mgr. (Inst.)	Nirmalya Nandi CM (Inst.)	Praveen Kumar GM (Inst.)
A-14	Fire station & Fire training Ground	Anuj Rathore Mgr. (F & S)	Sachin Akote Mgr. (F & S)	Sanjay B. Kamdi CM (F & S)	Medhe Anil DGM (E,PSM & BE)
A-16	Laboratory	Bharat Sharma Mgr. (QA)	Rameshwar Dwivedi Mgr. (QA)	Adalazhagan K DGM (QA)	Asawari Kelkar GM (Process Tech., QA, APC & Digital Solution)
A-17	Engineering Office	Nilesh Palekar Mgr. (M&C Planning)	Vikant Maithil AM (M&C Planning)	Manish Pandey CM (Mech.)	Praveen Kumar GM (Inst.)
A-18	Hazardous Waste storage facility & Green Belt Area	Prabhat Kumar Bag Mgr.(Env.)	Arun Kumar AM. (Env.)	Medhe Anil DGM (E,PSM & BE)	Sanjay B Kamdi CM (F&S)
A-19	Betwa P/H, RWTP, Nitrogen plant, DG House, ETP, RCT, Fire water pump house, Nitrogen & RODM Control room.	Mahendra Singh Bhadauria Mgr. (Utilities)	O.P. Saini AM (Utilities)	Umesh B Raut DGM (P,U & O)	Rajshekhar Patne CM (P&U)
A-20	Mech. Contractor Yard	Manish Singh Mgr. (Mech.)	Kaushal Joshi Mgr. (Mech.)	Rakesh Sharma Sr. Mgr. (Mech.)	Manish Pandey CM (Mech.)
	Project Contractor Yard	Surendra Lodhi Mgr. (E&P)	Amit Baruah Mgr. (E&P)	Anoop D Bhat Sr. Mgr. (E&P)	Sudeep Shrivastava GM (E&P)
B -1	Bina Dispatch Terminal & Weigh bridges	Nitin Kumar Gupta Mgr. (BDT)	Dhiraj Shetty AM(BDT)	Vinay Kumar Giri Sr. Mgr. (BDT)	Gajanan Koshatwar Sr. Mgr. (BDT)
B - 2	Contractor Yard - BDT	Nitin Kumar Gupta Mgr. (BDT)	Dhiraj Shetty AM(BDT)	Vinay Kumar Giri Sr. Mgr. (BDT)	Gajanan Koshatwar Sr. Mgr. (BDT)
C - 1	COT Vadinar	Jayant Namdeo Asst. Mgr. (COT)	Anurodh Aharwal Manager (COT)	Sunil Prasad CM(COT)	Ketan Thakkar Mgr. (COT)

Note: Other areas which are not in the above list, owner will be as per approved work permit area demarcation Refinery plot plan approved drawing no. 99-26-A0-0589 Rev 3 dtd 03.05.2023.
Submitted for kind approval please.

Sanjay Kamdi
CM (Fire & Safety)

	Prepared By	Reviewed & Issued By
Designation	Mgr. (F & S)	CM (F & S)

Annexure -3

Cold Work Permit Non Routine(P1) Format

Permit No.: BRAU-CPN2303266

BHARAT PETROLEUM CORPORATION LIMITED
BINA REFINERY, BINA, M.P , 470124
COLD WORK PERMIT - NON ROUTINE

P1

☑ COLD JOB ☒ VESSEL BOX UP ☒ RADIOGRAPHY

CONTACT NUMBERS : FIRECALL : 6666 AMBULANCE / OHC / MEDICALCENTRE : 6111

AUTHORIZATION NO : BRAU-CLD2300617 **VALID UPTO :** 03/07/2023 16:00 Hrs

JOB DETAILS & PERMIT

ISSUER DEPT/SECTION: Bina Dispatch Terminal **EXECUTOR DEPT/SECTION:** Bina Dispatch Terminal

1.	PERMISSION GRANTED TO	: ABHISHEK SRIVASTAVA
2.	DESCRIPTION OF WORK (Nature of Work & Tools/Equipments to be used)	: Erection /dismantling of scaffolding Erection/Dismantling of Scaffolding outside tank 5E for M&I activity
3.	LOCATION OF WORK & EQUIPMENT TAG NO.	: Tank 05E
4.	FIRE ZONE/AREA	: B1 - BINA DISPATCH TERMINAL & WEIGH BRIDGES
5.	NAME OF CONTRACTOR & CODE NO.	: DEE GEE SAW & METAL WORKS PVT LTD (107866)
6.	VALID FROM	: 02/05/2023 06:43 Hrs
7.	VALID TO	: 02/05/2023 14:00 Hrs

THE FOLLOWING ITEMS SHALL BE CHECKED BEFORE ISSUING THE PERMIT

Sl No.	CONDITIONS TO BE ADHERED TO FOR COLD JOBS (ROLE OF ISSUER)	Done	Not Reqd.	Sl No.	CONDITIONS TO BE ADHERED TO FOR COLD JOBS (ROLE OF EXECUTOR)	Done	Not Reqd.
1.	Checking of ☑ Equipment ☑ Work Area	☑	☒	11.	Area ☒ Covered ☑ Cordoned off ☑ Display of caution boards ☒ Tags provided	☑	☒
2.	Surrounding area ☑ Cleaning ☑ Checking	☑	☒	12.	Mean of access provided i.e. ☑ Ladder ☑ Scaffolding (BORL Std.) ☒ Man basket ☒ Bosun chair ☒ Crawling board	☑	☒
3.	Equipment electrically isolated & tagged (mention details below part 'A')	☑	☒	13.	Fire water hose with ☑ Fog nozzle ☒ Steam Lance ☑ Portable DCP fire extinguisher at work site	☑	☒
4.	Equipment ☑ Blinded ☒ Disconnected ☒ Closed ☒ Isolated ☒ Wedged open ☒ Tagged	☑	☒	14.	Display of contractors work execution board at site	☑	☒
5.	Equipment properly ☑ Drained ☒ Depressurised	☑	☒	15.	Alternate means of escape/exit available	☑	☒
6.	Equipment properly ☒ Steamed ☒ Purged ☑ Water flushed	☑	☒	16.	Precautions against falling of material in work area	☑	☒
7.	Gas test (mention values in Part 'B') ☑ HC ☑ O2 ☒ H2s (IDLH Value-100 PPM) ☑ CO ☒ SO2 ☒ Other,if any	☑	☒	17.	Proper ventilation at site	☑	☒
8.	Cross reference of related Authorization / permit (mention details in Part 'A')	☑	☒	18.	Proper lighting at site	☑	☒
9.	Considered hazard from other routine / non routine operations and concerned persons working at site alerted	☑	☒	19.	Iron Sulphide ☒ Removed ☒ Kept wet	☒	☑
10.	Standby personnel provided from ☒ Issuer Dept. ☒ Executor Dept. ☑ Contractor ☒ Fire stn. (for fire watch)	☑	☒	20.	Risk Assessment (RA) by ☑ Issuer ☑ Executor	☑	☒

USE OF PERSONNEL PROTECTIVE EQUIPMENT

Safety helmet	☑	Gloves	☑	Goggles	☑	Safety shoes	☑	Boiler suit	☑	Fresh air mask	☒	PVC apron	☒
Lifeline	☒	Ear plug	☒	Face shield	☒	Dust mask	☑	Breathing apparatus	☒	Double lanyard safety belt	☑		

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	Prepared By	Reviewed & Issued By
Designation	Mgr. (F & S)	CM (F & S)

Annexure -4

Hot Work Permit Non-Routine (P2) Format

Permit No.: BRAU-HPN2301565

BHARAT PETROLEUM CORPORATION LIMITED
BINA REFINERY, BINA, M.P , 470124
HOT WORK PERMIT- NON ROUTINE

P2

☑ HOT JOB ☒ USE OF 230V ☒ USE OF 440V ☒ EXCAVATION ☒ CRITICAL WORK

CONTACT NUMBERS : FIRECALL : 6666 AMBULANCE / OHC / MEDICALCENTRE : 6111

AUTHORIZATION NO : BRAU-HOT2300154 VALID UPTO : 10/05/2023 16:00 Hrs

JOB DETAILS & PERMIT

ISSUER DEPT/SECTION: Bina Dispatch Terminal EXECUTOR DEPT/SECTION: Bina Dispatch Terminal

1.	PERMISSION GRANTED TO	: ABHISHEK SRIVASTAVA
2.	DESCRIPTION OF WORK (Nature of Work & Tools/Equipments to be used)	: Use of diesel driven Mobile Air Compressor in the plant area GRASS CUTTING THOUGH PETROL DRIVEN MACHINE
3.	LOCATION OF WORK & EQUIPMENT TAG NO.	: OUTSIDE DYKE WALL TANKFARM AREA(NOT PERMITTED IN LPG AREA)
4.	FIRE ZONE/AREA	: B1 - BINA DISPATCH TERMINAL & WEIGH BRIDGES
5.	NAME OF CONTRACTOR & CODE NO.	: Aarvi Encon Private Limited (102195)
6.	VALID FROM	: 02/05/2023 06:25 Hrs
7.	VALID TO	: 02/05/2023 14:00 Hrs

THE FOLLOWING ITEMS SHALL BE CHECKED BEFORE ISSUING THE PERMIT

Sl No.	Conditions to be adhered to for - Hot work/hot tapping/excavation/ flare blinding /flare deblinding (Role of Issuer)	Done	Not Reqd.	Sl No.	Conditions to be adhered to for - Hot work/ hot tapping/excavation/flare blinding /flare deblinding (Role of Executor)	Done	Not reqd.
1.	Checked ☑ Equipment ☑ WorkArea	☑	☒	18.	Means of access provided i.e. ☒ Ladder ☒ Scaffolding ☒ Man basket ☒ Bosun chair ☒ Crawling board	☒	☑
2.	Surrounding area ☑ Checked ☑ Cleaned up of oil / Rags / Grass etc,	☑	☒	19.	Iron sulphide ☒ Removed ☒ Kept wet	☒	☑
3.	Standby personnel provided from ☒ Issuer Dept, ☒ Executor Dept, ☑ Contractor ☒ Fire Station	☑	☒	20.	Sewer, Manholes, CBD, Hot surface covered	☑	☒
4.	Considered hazard from ☑ Other routine ☑ Non-routine operations	☑	☒	21.	Area cordoned off, Eulpments covered and display of caution boards / tags provided	☑	☒
5.	Equipment electrically isolated and tagged (Mention Details in Part 'A')	☒	☑	22.	Precaution against public traffic taken	☑	☒
6.	Fire water system checked for readiness	☑	☒	23.	Authorization obtained for excavation from electrical / concerned department	☒	☑
7.	Gas test (mention values in part 'B') ☑ HC ☒ O2 ☒ H2s (IDLH Value-100 PPM) ☑ CO ☒ SO2 ☒ Other,if any	☑	☒	24.	Authorization obtained for Road cutting from Fire Station	☒	☑
8.	Equipment ☒ Blinded ☒ Disconnected ☒ Isolated ☒ Closed ☒ Wedge opened	☒	☑	25.	Authorization obtained for dyke cutting from Area FZS / HOD	☒	☑
9.	Checked for oil or gas trapped behind lining in equipmwnt	☑	☒	26.	Checked flame arrestor on mobile equipment	☑	☒
10.	Equipment properly ☒ Drained ☒ Depressurized	☒	☑	27.	Welding machine checked, earthed, fitted with proper flame and located at safe location	☒	☑
11.	Equipment properly purged ☒ Steam ☒ Nitrogen	☒	☑	28.	Shield / booth against sparks provided	☒	☑
12.	Equipment water flushed	☒	☑	29.	Return / Earthing to be connected closest and only to the equipment being welded	☒	☑
Sl No.	Conditions to be adhered to for - Hot work/ hot tapping/excavation/flare blinding /flare deblinding (Role of Executor)	Done	Not Reqd.	30.	Oxygen/acetylene kept outside confined space (tank/vessel /column etc.)	☒	☑
13.	Provided ☑ Fire water hose ☒ Steam lance ☑ DCP Fire extinguisher	☑	☒	31.	ELCB provided on Portable electrical equipment	☒	☑
14.	Proper ventilation provided	☒	☑	32.	Flash back arrestor provided on gas cutting set / cylinders	☒	☑
15.	Proper means of exit / escape provided	☑	☒	33.	Proper lighting provided	☑	☒
16.	Precautionary tags , boards / Contractor work execution board provided	☑	☒	34.	Risk Assessment (RA) by ☑ Issuer ☑ Executor	☑	☒
17.	Portable eulpment, Nozzles properly grounded	☒	☑				

USE OF PERSONNEL PROTECTIVE EQUIPMENT

Safety helmet	☑	Gloves	☑	Goggles	☑	Safety shoes	☑	Boiler suit	☑	Fresh air mask	☒	PVC apron	☒
Lifeline	☒	Ear plug	☒	Face shield	☑	Dust mask	☑	Breathing apparatus	☒	Double lanyard safety belt	☒		

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	Prepared By	Reviewed & Issued By
Designation	Mgr. (F & S)	CM (F & S)

Annexure -5

Permit for work at Height (P1a) Format

Permit No.: BRAU-WHP2301080

BHARAT PETROLEUM CORPORATION LIMITED
BINA REFINERY, BINA, M.P , 470124
WORKING AT HEIGHT PERMIT

P1a

☑ WORK AT HEIGHT

CONTACT NUMBERS : FIRECALL : 6666 AMBULANCE / OHC / MEDICALCENTRE : 6111

AUTHORIZATION NO : BRAU-CLD2300385 VALID UPTO : 26/05/2023 16:00 Hrs

JOB DETAILS & PERMIT IN CONTINUATION OF PERMIT NO : BRAU-WHP2301009

ISSUER DEPT/SECTION: Process EXECUTOR DEPT/SECTION: Mechanical & Civil

1.	PERMISSION GRANTED TO	: HEMANT PATEL
2.	DESCRIPTION OF WORK (Nature of Work & Tools/Equipments to be used)	: Material handling – manually & mechanically Material lifting shifting work for M&I activity,
3.	LOCATION OF WORK & EQUIPMENT TAG NO.	: 52-TT-CR-05A TANK
4.	FIRE ZONE/AREA	: A4 - CRUDE & INTERMEDIATE TANK FARM AREA
5.	NAME OF CONTRACTOR & CODE NO.	: ALPHA BETA ENGINEERING (101554)
6.	VALID FROM	: 02/05/2023 06:56 Hrs
7.	VALID TO	: 02/05/2023 14:00 Hrs

THE FOLLOWING ITEMS SHALL BE CHECKED BEFORE ISSUING THE PERMIT

Sl No.	CONDITIONS TO BE ADHERED FOR WORKING AT HEIGHT	Done	Not Reqd.	Sl No.	CONDITIONS TO BE ADHERED FOR WORKING AT HEIGHT	Done	Not reqd.
1.	Checking of ☑ Equipment ☑ Surrounding Area	☑	☒	10.	Alternate means of escape / exit available at work site (fixed ladder with 1 meter projection, platform without any obstructions)	☑	☒
2.	Provided ☑ Area cordoned off ☒ Covering of floor openings ☒ Display of caution boards ☒ Tags	☑	☒	11.	Considered hazard from routine / non routine operations and concerned persons alerted	☒	☑
3.	Means of access provided i.e, ☒ Ladder ☑ Scaffolding (BORL Std.) ☒ Man basket ☒ Bosun chair ☒ Crawling board	☑	☒	12.	Proper lighting provided at work site, Provision of ELCB (Earth Leakage Circuit Breaker) for use of portable tools / equipments being used at work site	☒	☑
4.	Precautions against falling of material in work area and material carried up at elevation are fall protected	☑	☒	13.	Proper ventilation provided at work site	☑	☒
5.	Standby personnel provided from ☒ Issuer Dept. ☒ Executor Dept. ☒ Project ☑ Contractor ☒ Fire Station	☑	☒	14.	Power lines / HT lines are not in the close proximity of work area or isolated / disconneted	☒	☑
6.	Provision of ☒ Roof ladder ☒ Crawling board	☒	☑	15.	Cross reference of related Authorization / Work Permit	☒	☑
7.	Scaffolding erected as per BORL Standard, inspected and display of safe to use board at site	☑	☒	16.	Gas Test ☑ HC ☑ O2 ☑ H2s (IDLH Value-100 PPM) ☑ CO ☑ SO2 ☑ Other,if any	☑	☒
8.	Provision of Safety net at site (As per nature of job and RA prepared by Executing Agency)	☒	☑	17.	Risk Assessment (RA) by ☑ Issuer ☑ Executor	☑	☒
9.	Provision of Fall arrestor at site (As per nature of job and RA prepared by Executing Agency)	☒	☑				

USE OF PERSONNEL PROTECTIVE EQUIPMENT

Safety helmet	☑	Gloves	☑	Goggles	☑	Safety shoes	☑	Boiler suit	☑	Fresh air mask	☒	PVC apron	☒		
Lifeline	☒	Ear plug	☒	Face shield	☒	Dust mask	☒	Breathing apparatus	☒	Double lanyard safety belt	☑				

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Annexure -6

Permit for Cold work permit routine (P6) Format

Permit No.: BRAU-CWP2314255

BHARAT PETROLEUM CORPORATION LIMITED
BINA REFINERY, BINA, M.P , 470124
COLD WORK PERMIT- ROUTINE

P6

CONTACT NUMBERS : FIRECALL : 6666 AMBULANCE / OHC / MEDICALCENTRE : 6111

JOB DETAILS & PERMIT

ISSUER DEPT/SECTION: Bina Dispatch Terminal **EXECUTOR DEPT/SECTION:** Bina Dispatch Terminal

1.	PERMISSION GRANTED TO	: ABHISHEK SRIVASTAVA
2.	DESCRIPTION OF WORK (Nature of Work & Tools/Equipments to be used)	: Graphiting, Alternate bolt removal, Wedge opening, Valve & Fitness replacement & general cold jobs, Bolt torquering, missing bolt, gland filling, hand wheel repair etc, MFL testing job to be done.
3.	LOCATION OF WORK & EQUIPMENT TAG NO,	: Tank 8A
4.	FIRE ZONE/AREA	: B1 - BINA DISPATCH TERMINAL & WEIGH BRIDGES
5.	NAME OF CONTRACTOR & CODE NO.	: DEE GEE SAW & METAL WORKS PVT LTD (107866)
6.	VALID FROM	: 02/05/2023 06:39 Hrs
7.	VALID TO	: 02/05/2023 14:00 Hrs

THE FOLLOWING ITEMS SHALL BE CHECKED BEFORE ISSUING THE PERMIT

Sl No.	CONDITIONS TO BE ADHERED TO FOR COLD JOBS (ROLE OF ISSUER)	Done	Not Reqd.	Sl No.	CONDITIONS TO BE ADHERED TO FOR COLD JOBS (ROLE OF EXECUTOR)	Done	Not Reqd.
1.	Checking of ☑ Equipment ☑ Work Area	☑	☒	11.	Area ☒ Covered ☒ Cordoned off ☑ Display of caution boards ☒ Tags provided	☑	☒
2.	Surrounding area ☑ Cleaning ☑ Checking	☑	☒	12.	Mean of access provided i.e. ☑ Ladder ☑ Scaffolding (BORL Std.) ☒ Man basket ☒ Bosun chair ☒ Crawling board	☑	☒
3.	Equipment electrically isolated & tagged (mention details in Part 'A')	☒	☑	13.	Fire water hose with ☒ Fog nozzle ☒ Steam Lance	☒	☑
4.	Equipment ☑ Blinded ☒ Disconnected ☑ Closed ☒ Isolated ☒ Wedged open ☒ Tagged	☑	☒	14.	Display of contractors work execution board at site	☒	☑
5.	Equipment properly ☒ Drained ☒ Depressurised	☒	☑	15.	Alternate means of escape/exit available	☑	☒
6.	Equipment properly ☒ Steamed ☒ Purged ☒ Water flushed	☒	☑	16.	Precautions against falling of material in work area	☑	☒
7.	Gas test (mention values in part 'B') ☒ HC ☒ O2 ☒ H2s (IDLH Value-100 PPM) ☒ CO ☒ SO2 ☒ Other,if any	☒	☑	17.	Proper ventilation at site	☑	☒
9.	Considered hazard from other routineon routine operations and concerned persons working at site alerted	☑	☒	18.	Proper lighting at site	☑	☒
10.	Standby personnel provided from ☒ Issuer Dept. ☒ Executor Dept. ☑ Contractor ☒ Fire stn. (for fire watch)	☑	☒	19.	Iron Sulphide ☒ Removed ☒ Kept wet	☒	☑
11.	Decabling	☒	☑				
12.	Cabling	☒	☑				

USE OF PERSONNEL PROTECTIVE EQUIPMENT

Safety helmet	☑	Gloves	☑	Goggles	☑	Safety shoes	☑	Boiler suit	☑	Fresh air mask	☒	PVC apron	☒
Lifeline	☒	Ear plug	☒	Face shield	☒	Dust mask	☒	Breathing apparatus	☒	Double lanyard safety belt	☒		

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Annexure -7

Permit for Hot work permit routine (P7) Format

Permit No.: BRAU-HWP2301591

BHARAT PETROLEUM CORPORATION LIMITED
BINA REFINERY, BINA, M.P , 470124
HOT WORK PERMIT- ROUTINE

P7

CONTACT NUMBERS : FIRECALL : 6666 AMBULANCE / OHC / MEDICALCENTRE : 6111

JOB DETAILS & PERMIT — **IN CONTINUATION OF PERMIT NO :** BRAU-HWP2301487

ISSUER DEPT/SECTION: Process — **EXECUTOR DEPT/SECTION:** Mechanical & Civil

1.	**PERMISSION GRANTED TO**	: HEMANT PATEL
2.	**DESCRIPTION OF WORK (Nature of Work & Tools/Equipments to be used)**	: Vehicle entry inside battery limits area (forklift, trailer, tractor, crane, hydra, pickup van, gully sucker etc.), for liquid and solid sulpher loading. Vehicle entry for material handling at CR-05A
3.	**LOCATION OF WORK & EQUIPMENT TAG NO.**	: CR-05A
4.	**FIRE ZONE/AREA**	: A4 - CRUDE & INTERMEDIATE TANK FARM AREA
5.	**NAME OF CONTRACTOR & CODE NO.**	: ALPHA BETA ENGINEERING (101554)
6.	**VALID FROM**	: 02/05/2023 06:55 Hrs
7.	**VALID TO**	: 02/05/2023 14:00 Hrs

THE FOLLOWING ITEMS SHALL BE CHECKED BEFORE ISSUING THE PERMIT

Sl No.	Conditions to be adhered to for-Crane/Forklift/IC Engine Operation/Vechicle Entry/Cable fault Finding/Chipping other than Hydrogen Services/Units/Use of battery operated equipments	Done	Not Reqd.	Sl No.	Conditions to be adhered to for-Crane/Forklift/IC Engine Operation/Vechicle Entry/Cable fault Finding/Chipping other than Hydrogen Services/Units/Use of battery operated equipments	Done	Not reqd.
1.	Checked ☒ Equipment ☑ WorkArea	☑	☒	5.	Area cordoned off, Euipments covered and display of caution boards / tags provided	☒	☑
2.	Provided at site ☒ Fire water hose ☒ Steam lance ☑ DCP Fire extinguisher	☑	☒	6.	Checked flame arrestor on mobile equipment	☑	☒
3.	Equipment electrically isolated & tagged (Mention Details in Part 'A')	☒	☑	7.	Gas test (mention values in part 'B') ☑ HC ☑ O2 ☑ H2s (IDLH Value-100 PPM) ☑ CO ☑ SO2 ☑ Other,if any	☑	☒
4.	Considered hazard from ☒ Other routine ☑ Non-routine operations	☑	☒	8.	Pre use checklist done for the equipement being used by the executor (Special care while nearby Hydrogen Area)	☒	☑

USE OF PERSONNEL PROTECTIVE EQUIPMENT

Safety helmet	☑	Gloves	☑	Goggles	☑	Safety shoes	☑	Boiler suit	☑	Fresh air mask	☒	PVC apron	☒
Lifeline	☒	Ear plug	☒	Face shield	☒	Dust mask	☒	Breathing apparatus	☒	Double lanyard safety belt	☒		

Annexure -8

Permit for Confined Space Entry (P3) Format

Permit No.: BRAU-CSP2300573

BHARAT PETROLEUM CORPORATION LIMITED
BINA REFINERY, BINA, M.P , 470124
CONFINED SPACE ENTRY PERMIT

P3

CONTACT NUMBERS : FIRECALL : 6666 AMBULANCE / OHC / MEDICALCENTRE : 6111

AUTHORIZATION NO : BRAU-CSE2300050 VALID UPTO : 15/05/2023 16:00 Hrs

JOB DETAILS & PERMIT

ISSUER DEPT/SECTION: Bina Dispatch Terminal EXECUTOR DEPT/SECTION: Bina Dispatch Terminal

1.	PERMISSION GRANTED TO	: ABHISHEK SRIVASTAVA
2.	DESCRIPTION OF WORK (Nature of Work & Tools/Equipments to be used)	: Confined space entry - Storage tanks Confined Space Entry in Tank-08A for M&I Activity.
3.	LOCATION OF WORK & EQUIPMENT TAG NO.	: Tank 8A
4.	FIRE ZONE/AREA	: B1 - BINA DISPATCH TERMINAL & WEIGH BRIDGES
5.	NAME OF CONTRACTOR & CODE NO.	: DEE GEE SAW & METAL WORKS PVT LTD (107866)
6.	VALID FROM	: 02/05/2023 06:29 Hrs
7.	VALID TO	: 02/05/2023 14:00 Hrs

THE FOLLOWING ITEMS SHALL BE CHECKED BEFORE ISSUING THE PERMIT

Sl No.	CONDITIONS TO BE ADHERED FOR CONFINED SPACE ENTRY (Role of Issuer/ Executor)	Done	Not Reqd.	Sl No.	CONDITIONS TO BE ADHERED FOR CONFINED SPACE ENTRY (Role of Issuer/ Executor)	Done	Not reqd.
1.	Checked ☑ Equipment ☑ Work area	☑	☒	11.	Checked for oil or gas trapped behind lining in equipment	☑	☒
2.	Considered Hazard from other routine operations and Non routine operations and concerned persons alerted	☑	☒	12.	Adequate (24V) lighting provided	☑	☒
3.	Equipment ☑ Properly drained ☑ Depressurised	☑	☒	13.	Use of ☑ Air hose ☒ Breathing apparatus	☑	☒
4.	Equipment properly purged ☒ Steam ☒ Nitrogen	☒	☑	14.	Iron sulphied ☑ Removed ☒ Kept wet	☑	☒
5.	Equipment ☑ Water flushed ☒ KMnO4 flushed ☒ Passivation ☒ Chemical cleaning	☑	☒	15.	Means of communication provided	☑	☒
6.	Equipment electrically isolated and tagged (mention details in part 'A')	☒	☑	16.	Proper means of access / exit provided(mention details in part 'A')	☑	☒
7.	Equipment ☑ Blinded ☒ Disconnected ☒ Closed ☑ Isolated ☒ Wedge opened	☑	☒	17.	Precautionary tag boards / Contractor work execution boards / Display of Safe to enter board provided	☑	☒
8.	Adequate ventilation provided	☑	☒	18.	Blind list attached (Vessel / Column / Process Equipments etc.)	☑	☒
9.	Gas Tests(mention values in part 'B') ☑ HC ☑ O2 ☑ H2s (IDLH Value-100 PPM) ☑ CO ☒ SO2 ☒ Other,if any	☑	☒	19.	Risk Assessment (RA) attached by ☑ Issuer ☑ Executor	☑	☒
10.	Standby attendant provided ☑ Contractor ☒ Issuer Dept. ☒ Executor Dept. ☒ Fire Station	☑	☒				

USE OF PERSONNEL PROTECTIVE EQUIPMENT

Safety helmet	☑	Gloves	☑	Goggles	☑	Safety shoes	☑	Boiler suit	☑	Fresh air mask	☒	PVC apron	☒
Lifeline	☒	Ear plug	☒	Face shield	☒	Dust mask	☑	Breathing apparatus	☒	Double lanyard safety belt	☑		

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Annexure -9

Permit for Electrical work (P4) Format (Sample only. No p4 permit available after merger. As and when available same will be updated.

Permit No.: BRAU-ELP1800001

BHARAT OMAN REFINERIES LTD.
BINA, M.P , 470124
ELECTRICAL PERMIT

P4

CONTACT NUMBERS : FIRECALL : 6666 AMBULANCE / OHC / MEDICALCENTRE : 6111

AUTHORIZATION NO : BRAU-ELE1800001 VALID UPTO : 18/04/2018 16:00 Hrs

JOB DETAILS & PERMIT

ISSUER DEPT/SECTION: Electrical EXECUTOR DEPT/SECTION: Electrical

1.	PERMISSION GRANTED TO	: ANIL KUMAR SHARMA
2.	DESCRIPTION OF WORK (Nature of Work & Tools/Equipments to be used)	: Numerical Relay data uploading Job. TCE setting uploading in Motors 35-P-102 A/B/C
3.	LOCATION OF WORK & EQUIPMENT TAG NO.	: SS-12 Switchgear hall
4.	FIRE ZONE/AREA	: A6 - SS 12
5.	NAME OF CONTRACTOR & CODE NO.	: Siemens Limited (100130)
6.	VALID FROM	: 22/01/2018 09:07 Hrs
7.	VALID TO	: 22/01/2018 18:00 Hrs

THE FOLLOWING ITEMS SHALL BE CHECKED BEFORE ISSUING THE PERMIT

Sl No.	CONDITIONS TO BE ADHERED FOR ELECTRICAL WORK (Role of Executor)	Done	Not Reqd.	Sl No.	CONDITIONS TO BE ADHERED FOR ELECTRICAL WORK (Role of Executor)	Done	Not reqd.
1.	The apparatus to be worked upon has been isolated ☒ Racking out of Breaker ☒ Switching off of FSUs ☒ Removal of main fuses ☒ Removal of Neutral link	☒	☑	14.	Fixing of caution tag/Notice on it or adjacent to live apparatus	☑	☒
2.	Power supply ☒ Isolated from supply end ☒ Removal of main fuses	☒	☑	15.	In case of cutting and removal of cable , identification of cable by suitable means to confirm the cable and its dead condition.	☒	☑
3.	Control supply ☒ Isolation of control supply ☒ Removal of control fuses	☒	☑	16.	Cordoning off/covering of the area	☒	☑
4.	Space heater supply ☒ Isolation of supply ☒ Removal of fuses	☒	☑	17.	Proper ventilation at site	☑	☒
5.	Interlocking or any other supply ☒ Isolation of supply ☒ Removal of fuses	☒	☑	18.	Monitoring of other critical parameters of standby equipment	☒	☑
6.	Checking of Isolation of apparatus visually, electrically and mechanically	☒	☑	19.	Ensuring proper tools / tackles / measuring instruments and other safety equipments	☒	☑
7.	In case of HT equipment checking with discharge rod/by any other method to make sure the equipment is dead and safe to work	☒	☑	20.	Erection of ☒ Scaffolding ☒ Monsoon protection shed	☒	☑
8.	Carrying out of Earthing by suitable means	☒	☑	21.	Continuous supervision during execution of the job by ☑ BORL Supervisor ☒ Consultant ☒ Contractor Supervisor	☑	☒
9.	In case of HT Breaker Locking of safety shutters / doors	☒	☑	22.	Ensuring Housekeeping around the working area	☑	☒
10.	Gas test (mention values in part 'B') ☒ HC ☒ O2 ☒ H2S ☒ CO ☒ SO2 ☒ Other,if any	☒	☑	23.	Proper lighting at site	☑	☒
11.	Standby person ☒ Contractor ☑ Maint ☒ Project	☑	☒	24.	Cross reference of related Authorization (mention details in Part 'A')	☒	☑
12.	Considered hazard from other routine operations / non routine operation and concerned persons alerted including GSI of Fire zone	☒	☑	25.	Risk Assessment (RA) by ☑ Issuer ☑ Executor	☑	☒
13.	Fixing of Danger tags with Signature	☒	☑				

USE OF PERSONNEL PROTECTIVE EQUIPMENT

Safety helmet	☑	Gloves	☑	Goggles	☑	Safety shoes	☑	Boiler suit	☑	Fresh air mask	☒	PVC apron	☒	Lifeline	☒
Ear plug	☒	Face shield	☒	Dust mask	☒	Breathing apparatus	☒	Double lanyard safety belt	☒	Insulated Gloves	☑	Insulating Mat	☑		

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	Prepared By	Reviewed & Issued By
Designation	Mgr. (F & S)	CM (F & S)

Annexure -10

Permit for Electrical Isolation (P5I) Format

Permit No.: BRAU-EIP2304214

BHARAT PETROLEUM CORPORATION LIMITED
BINA REFINERY, BINA, M.P , 470124
ELECTRICAL ISOLATION PERMIT

P5I

CONTACT NUMBERS : FIRECALL : 6666 AMBULANCE / OHC / MEDICALCENTRE : 6111

JOB DETAILS & PERMIT

ISSUER DEPT/SECTION: Power & Utilities **EXECUTOR DEPT/SECTION:** Electrical

1.	PERMISSION GRANTED TO	: GURU BAKSHEESH AHIRWAR
2.	DESCRIPTION OF WORK (Nature of Work & Tools/Equipments to be used)	: Electrical Isolation of Motors EIP of motor.
3.	LOCATION OF WORK	: ss 10 - BOILER #3 PETCOKE RAV #3a
4.	EQUIPMENT TAG NO,	: BOILER #3 PETCOKE RAV #3a BOILER #3 PETCOKE RAV #3a
5.	FIRE ZONE/AREA	: A7 - CPP
6.	NAME OF CONTRACTOR & CODE NO.	: THYSSENKRUPP INDUSTRIES INDIA (107075)
7.	VALID FROM	: 08/05/2023 06:40 Hrs
8.	VALID TO	: 08/05/2023 14:00 Hrs
9.	LOTO Key Number	:

Sl No.	CONDITIONS TO BE ADHERED FOR ELECTRICAL WORK (Role of Issuer)	Done	Not Reqd.	Sl No.	Conditions to be checked by Electrical Department (Circuit Breaker FEEDER)	Done	Not Reqd.
1.	Contractor / SFU Feeder No PMCC-303 (1R-E)	☑	☒	3.	Switch off control supply	☒	☑
Sl No.	**Conditions to be checked by Electrical Department (Contractor / SFU FEEDER)**	**Done**	**Not Reqd.**	4.	Rack out the CB isolated position	☒	☑
3.	Make power switch/MCCB/MCB off	☑	☒	5.	Remove space heater fuses / Make space heater supply off	☒	☑
4.	Remove control fuses	☑	☒	6.	Discharge the cable,before removal	☒	☑
5.	Remove power fuses	☑	☒	7.	Space heater cable removed at equipment	☒	☑
6.	Make space heater supply off/Remove fuse	☒	☑	8.	Power cable removed at equipment	☒	☑
7.	Discharge the cable,before removal	☒	☑	9.	Space heater cable removed at equipment	☒	☑
8.	Power cable removed at equipment	☒	☑				
9.	Space heater cable removed at equipment	☒	☑				
1.	Circuit Breaker Feeder No	☒	☑				
2.	Put the L/R switch to local mode	☒	☑				

USE OF PERSONNEL PROTECTIVE EQUIPMENT

Electrical Gloves	☑	Arc Shield	☑	Goggles	☑	Arc protection Suit	☑	Apron	☒	Helmet	☑	Other (Specify)	☒

Additional precautions/instructions(if any)

Additional Precautions not given for this Permit

Remarks(If Any)

Sr. No.	Authority	Person Name	Remark
1	PermitExecutor	GURU BAKSHEESH AHIRWAR	LOCK-YO1531 ,TAG-2575

Permit Approval Cycle :

	Name	Staff No.	Signature	Date & Time
Field Engineer Acknowledge				
PermitIssuer	SACHIN PAL	61550		
Contractor/O&M Issuer				
PermitExecutor	GURU BAKSHEESH AHIRWAR	65234		
Contractor/O&M Executor				
Contractor/O&M CloseIssuer				
IsolationCertificateIssuer				
IsolationCertificateExecutor				
Field Engineer Closure				

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Annexure 11

Permit for Electrical Energization (P5E) Format

Permit No.: BRAU-EEP2303997

BHARAT PETROLEUM CORPORATION LIMITED
BINA REFINERY, BINA, M.P , 470124
ELECTRICAL ENERGIZATION PERMIT

P5E

CONTACT NUMBERS : FIRECALL : 6666 AMBULANCE / OHC / MEDICALCENTRE : 6111

JOB DETAILS & PERMIT

ISSUER DEPT/SECTION: Bina Dispatch Terminal **EXECUTOR DEPT/SECTION:** Bina Dispatch Terminal

1.	PERMISSION GRANTED TO	: GAJANAN CHANDRAKANT KOSHATWAR
2.	DESCRIPTION OF WORK (Nature of Work & Tools/Equipments to be used)	: Electrical energization of Motors ELECTRICAL ENERGIZATION
3.	LOCATION OF WORK	: S/S
4.	EQUIPMENT TAG NO,	: 70PMCF1B 70PMCF1B POL MOTOR
5.	FIRE ZONE/AREA	: B1 - BINA DISPATCH TERMINAL & WEIGH BRIDGES
6.	NAME OF CONTRACTOR & CODE NO.	: Aarvi Encon Private Limited (102195)
7.	VALID FROM	: 02/05/2023 08:41 Hrs
8.	VALID TO	: 02/05/2023 14:00 Hrs
9.	LOTO Key Number	: 3649

Additional precautions/instructions(if any)

Additional Precautions not given for this Permit

Remarks(If Any)

Sr. No.	Authority	Person Name	Remark
Remarks not given for this Permit			

Permit Approval Cycle :

	Name	Staff No,	Signature	Date & Time
Field Engineer Acknowledge				
PermitIssuer	Nitin Singh Tomar	61851		
Contractor/O&M Issuer				
PermitExecutor	GAJANAN CHANDRAKANT KOSHATWAR	61575		
Contractor/O&M Executor				
Contractor/O&M CloseIssuer				
EnergizationCertificateIssuer				
EnergizationCertificateExecutor				
Field Engineer Closure				

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Annexure 12

Risk Assessment Form

Risk Assessment Form

Plant :

Permit No :

Activity :

Dept HIRA Ref. No. :

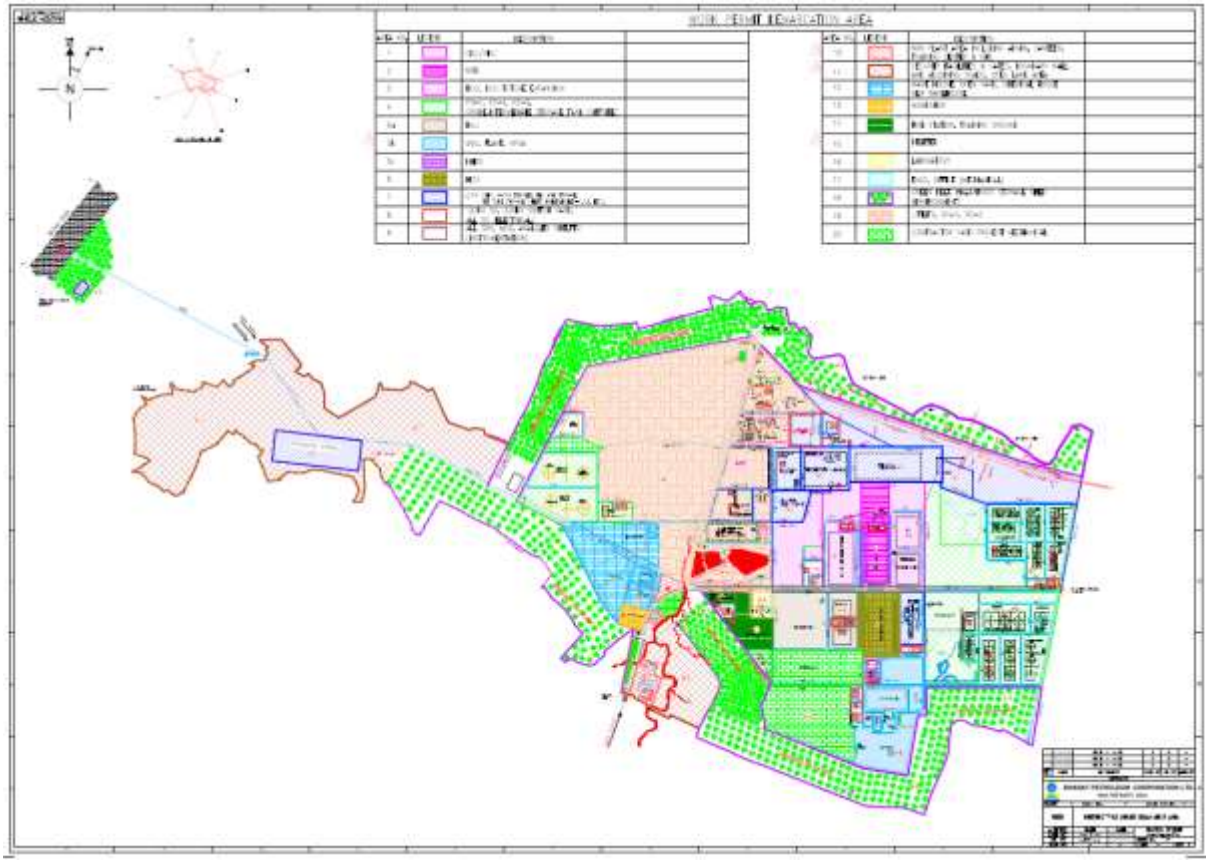
Sr. No	Hazard Identification "What can go wrong"	Control Measures "For each Identified Hazard	Contingency Plan "Action in case of Emergency
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			

Prepared By:	Name	Signature	Date
Issuer			
Executor			
Reviewed By:	Name	Signature	Date
GSI/other			

F/03/CPM/WPS/08

Annexure -13

Fire Zone Distribution Map



	Prepared By	Reviewed & Issued By
Designation	Mgr. (F & S)	CM (F & S)

Annexure -14

Positive Isolation Certificate

Bharat Petroleum
energising lives

POSITIVE ISOLATION CERTIFICATE

Work Permit Number	
Location : Plant / Unit	
Process System / Sub-system	
Job Description (Attach the sketch/relevant P & ID showing the position of isolation and blinds along with the certificate)	

Sl. No.	Description of Mechanical Isolation (Blind etc) & position (Equip. No. /Line No.	Size / Rating	Installed By AE (Operation)		Mech. Isolation Verified by Issuer (Operation)		Removal By AE (Operation)		Removal Verified by Issuer (Operation)	
			Sign	Date / Time	Sign	Date / Time	Sign	Date / Time	Sign	Date / Time
1										
2										
3										
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27										

	Name	Signature	Date	Time
Positive Isolation Certificate Authorized by GSI				

	Name	Signature	Date	Time
Work Completed. Request for De-isolation by Permit Application Authorized to carry De-isolation (Issuer)				

	Name	Signature	Date	Time
I accept the De-isolation is completed (Issuer)				

Type

D	DISCONNECTED	LOCK	LOCKED
L	LINES	BD	BLOCKING DEVICE
S	SLIP BLIND	OTHERS	OTHER SPECIFY

Note : This positive isolation/Blinding certificate will be retained by the issuer and will be available for inspection / auditing

F/03/CPM/WPS/09

Annexure -15

Scaffolding Certificate & Tag

SCAFFOLDING CERTIFICATE

" Scaffolding request, inspection and certificate"

Part 1 REQUEST FOR SCAFFOLDING

I hereby request that the scaffolding for purpose of .....be erected for the duty (Select from load table as given below) and height .....Meter.

Load duty	Light		Medium	Heavy / Special		
Maximum Safe load in Kg.	75	150	225	300	450	600
Maximum bay length / width in meter	2.7	2.2	1.8	1.4	1.0	0.8
Tick whichever applicable						

(Name & Signature of Maintenance Engineer)

M/s _____ Date :

(Scaffolding Contractor)

Part 2 INSPECTION CHECK LIST

Sl. No.	Check Points	Yes/ No/NA	Remarks
1	Are the scaffolding erected as per the load duty requested		
2	Is every work platform fitted with handrail (top rail 1200mm and mid rail 600mm high)and a toe board (150mm) secured to the platform sides		
3	Are the scaffolding in plumb and level ?		
4	Are the planks/grating placed in order without undue gaps and anchored ?		
5	Are the footing / anchorage for scaffolds sound and the bay lengths maintained as per the maximum Intended load (duty)?		
6	Are the poles, legs or uprights of scaffolding are securely braced to prevent swaying / displacement ?		
7	Are the base plates (150x150x6mm) provided for scaffolding posts ?		
8	Are the base Plates supported by sole plate (300x300x6mm) at unpaved area ?		
9	Is kicker lift (at distance 150mm from ground/base) provided for scaffold of height more than 6.0 meter ?		
10	If the scaffolding is erected above walkways or work areas, are the space between toe boards and railing screened ?		
11	If Work is done over men who are working on scaffolding, is overhead protection provided ?		
12	Has the scaffolding area suitably barricaded during erection / usage / dismantling ? As far as practicable, barricades shall be provided by keeping a clear distance of 1.0 meter from scaffold structure.		
13	Is free standing scaffolding tower protected from tipping by guying or other means ?		
14	Is there a safe and convenient means of access? If a Ladder is used, is it rising at least 1050mm above the platform ?		
15	Are relevant status boards (tags) attached to the scaffolding completed / under erection as applicable ?		
16	Is safe access to equipment or emergency egress restricted by scaffolds?		
17	Are wall scaffolding anchored every 10 m of length and 8 m of height ?		
18	Are landing platforms provided for access ladders more than 9 meter height?		
19	If two pipes are connected, are they overlapped at least 600mm and at least two clamps used.?		

Part 3 CERTIFICATE OF FITNESS OF SCAFFOLDING

i hereby certify that the scaffolding erected for work permit no. ---------- is ready and fit for use. I further certify that it is intended for light duty / General purpose (Medium duty/) Heavy duty or special duty (Tick whatever applicable) service and fit for a load of ..... Kg and should not be overloaded.

Name and Signature of Maintenance Engineer
(Dept. .....)

Name and Signature of Scaffolding Supervisor
M/s _____
(Scaffolding Contractor)

*** This checklist is to be filled up for every new scaffolding erected and thereafter every week as long as the scaffold is in use.***

Bharat Petroleum

SCAFFOLDING READY FOR USE

PURPOSE : .....

TYPE OF SCAFFOLDS : VERY LIGHT/LIGHT/GENERAL PURPOSE / HEAVY DUTY

_____(kgf. / cm²)

MADE BY : _____(kgf. / cm²)

LOCATION _____

PERMIT NO. _____

(NAME OF CONTRACTOR)

DATE	NAME OF AUTHORIZED PERSON	SIGN.

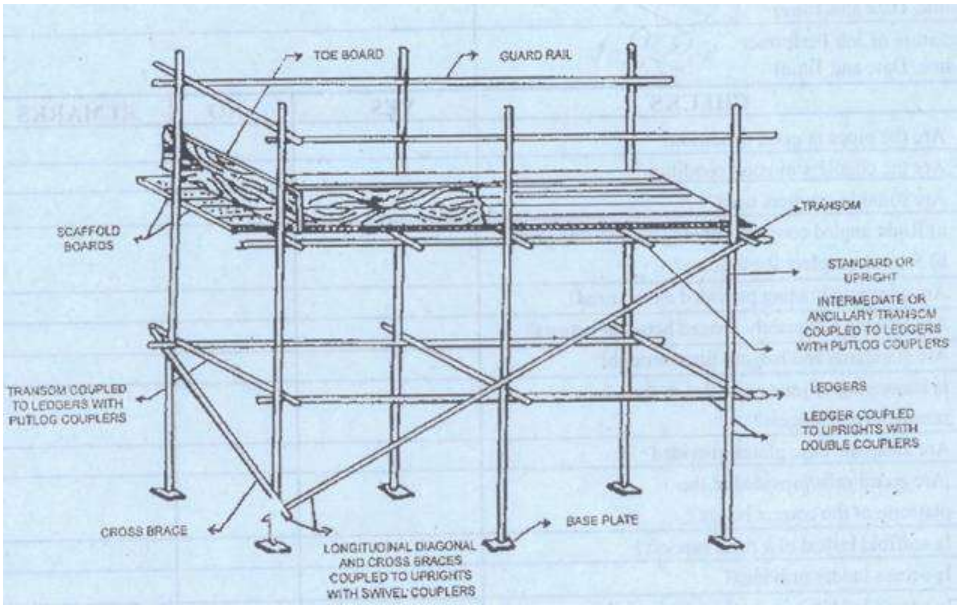
NOTE :

1. SCAFFOLDING SHALL BE INSPECTED EVERY WEEK & AFTER EVERY ALTERATION / MODIFICATION.
2. SCAFFOLDING SHALL BE REINSPECTED IN CASE OF ANY ADVERSE WEATHER CONDITION VIZ HEAVY RAIN CYCLONE ETC.

WARNING

REMOVAL OR INTERFERENCE WITH THIS SIGN WILL MAKE YOU LIABLE TO DISCIPLINARY ACTION

Document No. F/03/CPM/WPS/11



Annexure -16

Record of Fire water network Isolation

Record of Fire Water Network Isolation in Refinery Process Area

Sr.No	Plant/Area	Date & Time of Isolation/Normalization		Isolation Valve no.	Details of activity to be carried out	Equipment Isolated	Status	Name of Fire SIC	Remarks
1		Start Date:							
		Start Time:							
		End Date:							
		End Time:							
2		Start Date:							
		Start Time:							
		End Date:							
		End Time:							
3		Start Date:							
		Start Time:							
		End Date:							
		End Time:							
4		Start Date:							
		Start Time:							
		End Date:							
		End Time:							
5		Start Date:							
		Start Time:							
		End Date:							
		End Time:							
6		Start Date:							
		Start Time:							
		End Date:							
		End Time:							

	Prepared By	Reviewed & Issued By
Designation	Mgr. (F & S)	CM (F & S)

Annexure -17

Electrical Isolation Tag

	Prepared By	Reviewed & Issued By
Designation	Mgr. (F & S)	CM (F & S)

Annexure -18

Danger 'Do not Operate' Tag

	Prepared By	Reviewed & Issued By
Designation	Mgr. (F & S)	CM (F & S)

ANNEXURE-G TO SPC

TERMS & CONDITIONS FOR INDIAN SOURCED COMPONENTS / SERVICES

TERMS & CONDITIONS FOR INDIAN SOURCED COMPONENTS / SERVICES

Foreign bidder may source components / sub-supplies and services from India, if allowed as per Material Requisition. For such sub-supplies / services, Commercial Terms & Conditions of the RFQ shall stand modified to the following extent:

1. **PRICING:**

1.1 Unit and total price on FOT Despatch Point basis including packing and forwarding charges.

1.2 Details of Taxes and duties (rates) payable extra on the finished goods, applicable on Indian sub-suppliers.

1.3 Separate and clear break-up of charges for inland transportation is to be quoted by the bidder.

1.4 Materials if ordered against the RFQ are required to be dispatched on door delivery basis through a reliable bank approved transporters.

1.5 Transit insurance of Indian sub supplies shall be borne and arranged by the owner.

2. **CURRENCY OF QUOTE:**

The quoted price of sub-supplies/ services shall be in Indian Rupees only.

3. **AWARD OF ORDER:**

Wherever, a foreign supplier order involving part supply/site work/site services in INR, separate orders shall be issued by referring to the main PO for tax compliance purpose. Foreign Principal shall be the single point responsible Vendor for entire scope.

4. **DELIVERY:**

The delivery period for sub-supplies shall be on FOT site basis within specified delivery period for foreign bidder as per Terms of RFQ/Bidding document.

5. **PRICE REDUCTION SCHEDULE:**

PRS shall be applicable in totality on foreign scope + Indian sourced component / site work for delay in supply of goods/ site work either by foreign principals or Indian counterpart.

6. **PAYMENT TERMS:**

Payment of Indian sub supplies/Services

a) 85% through E-Payment with taxes and duties will be paid against receipt of Indian sourced goods/material at project site.

b) 10% against receipt of Indian supplies at site and delivery of main equipment by foreign bidder, as per Terms of bidding document and completion of site work, wherever applicable.

c) 5% on submission of Final/As built Drawings/Documents/Data/Manual in requisite number of copies/sets/CDs as per VDR specified in Purchase Requisition, by main bidder.

Note

- Payment of Indian sub supplies/Services shall be released directly to Indian counterpart against Invoices raised by Indian counterpart duly certified by foreign principal.
- In case of Foreign bids with Indian sub supplies, the payment terms of Foreign bidder against shipping documents stands reduced by 5% which shall be released as follows:

  5% payment shall be released thru wire transfer, on delivery of main equipment by foreign principal (as per terms of enquiry document) as well as receipt of Indian supplies at site.

- The payments shall be made after adjustment of Price Reduction Schedule.
- If foreign principal delivers all their foreign sourced goods with Indian sourced delivery yet to be completed and further requests for release of last 10% payment, then this last 10% shall be released to foreign principal by owner against the submission of bank guarantee for this 10% of order value valid for 03 months from CDD plus 1 month claim period or till completion of Indian sourced items whichever is later.

7. **CONTRACT PERFORMANCE BANK GUARANTEE:**

Foreign principal shall submit a single Contract performance bank guarantee for 5% of total order value including value of foreign portion and Indian sourced components / site work, in the foreign currency of quote. For the purpose of conversion of Indian sourced components / site work to equivalent foreign currency, RBI reference rate as on the date of price bid opening shall be considered.

If RBI reference rate is not available for the date of Price Bid opening, the latest available rates of RBI shall be considered.
In the absence of RBI reference rate, SBI TT Sell (Telegraphic Transfer) reference rate on the date of price bid opening or the latest available will be considered. In absence of RBI reference rate, SBI TT reference rate, the conversion Rate shall be taken from the Internet such as:

https://www.xe.com/currencyconverter
https://www.oanda.com/currency/converter
https://economictimes.indiatimes.com/markets/forex/currency-converter

ANNEXURE-H TO SPC

Procedure for Vendor Invoice Processing- data collection template

Vendor master

Social Media Policy for Business Partners

Vendor Advisory on Environmental Criteria

Business Process Excellence Centre

To Our Esteemed Suppliers/ Contractors,

BPCL has setup a Business Process Excellence Centre (BPEC) for Vendor Invoice processing.

BPEC will function as a payments factory to receive, digitize and process vendor invoices in a timely and accurate manner. In addition, the centre will receive and account for Bank Guarantees (BGs) & other allied activities like release of retention money/ security deposit etc.

➢ Bill Payments

Effective 1st May 2017, the following original documents will need to be sent to BPEC for release of payments:

i) Original Commercial / Tax invoice
ii) Any Supporting documents for payments e.g. Octroi certificate, freight bills, IRN, test certificate
iii) Copy of the Works Contract Tax (WCT) Exemption Certificate for lower/Nil deduction of WCT (Original must be submitted to Kochi Refinery procurement team for their records)

Please send these documents to the following address for payment processing*:

BUSINESS PROCESS EXCELLENCE CENTRE (BPEC)
4th FLOOR, BPCL OFFICE COMPLEX
PLOT NO. 6 SECTOR – 2
BEHIND CIDCO GARDEN, KHARGHAR
NAVI MUMBAI-410210

**Please note that this does not change the BPCL address that needs to be put on the invoice.*

The following documents should not be sent to BPEC:

- Excise invoice (Duplicate invoice For Transporter- DFT)
- User reference manuals
- Test booklets
- BG against Earnest Money Deposit (EMD) etc.

**These documents should be sent to the procurement location i.e Kochi Refinery*

How to Track Status of Bills sent to Business Process Excellence Centre (BPEC)?

1) For every valid bill received at BPEC, the vendor will be communicated with a unique DPID no. on their registered email ID & mobile no. as per BPCL records
2) Vendors can contact Toll Free No. 1800 224 221 during working days between 9.00 AM to 5.00 PM for any payment/ bill related queries
3) Vendors can write to z_vendorhelpdesk@bharatpetroleum.in for any queries
4) The payment status of your invoices can also be check in Vendor Portal (*https://efp.bpcl.in/*)
5) The payment status of your invoices can also be check in Mobile Application (https://ebiz.bpc.co.in/EbizPortal/)
6) For status of specific invoices, vendor can also use SMS application by sending SMS **"STAT (Space) <DPID>"** to 9223112222 from their registered mobile no.

General Guidelines for Invoices

All invoices should be legible and accompanied with supporting documents required for invoice processing as per the PO. Invoices should be compliant with government requirements on tax invoices and should have the following information:

- PO number, clearly mentioned (45XXXXXXXX)
- Vendor code (Available with your BPCL contract)
- Vendor name
- Vendor address, telephone number, email address and point of contact
- Tax registration number (VAT, Service Tax, Excise etc. as applicable)
- The invoice should be in name of Bharat Petroleum Corporation Limited (BPCL)
- Invoice number
- Invoice date
- Specification of goods and services delivered
- Total gross amount and breakup
- Taxes applicable, with individual tax rates matching with the purchase order
- BPCL Location name and address
- Kindly ensure multiple invoices are not bunched together (stapled) whilst sending the same to BPEC for processing.

**Please note that the above information should be present on the invoice, to ensure that the invoice is processed in a timely manner*.

➢ Release of Security Deposit/ Retention Money

Standard Template for Release of Retention Money & Security Deposit is duly attached herewith which should be used by all vendors/contractors while submitting their release of Retention/Security deposit requests to BPEC.

With respect to the said template vendors are required to note the following point:

1) Only single Purchase Order (45XXXXXXXX) / Contract (46XXXXXXXX) can be provided per request letter (separate requests letters for each Purchase Order/ Contract)
2) **Photo copies of old invoices/bills** to which the retention money pertains **should not be attached** with the request letter
3) Request letter must be duly signed by the vendor or their authorized representative
4) There is no requirement for BPCL officers to sign on the said request letter
5) Request letter must be sent to BPEC only after completion of job (for security deposit) or completion of defect liability period (for retention money)
6) Vendors can also send scan copy of the said letter duly signed to z_vendorhelpdesk@bharatpetroleum.in
7) Vendors will also be receiving emails for tracking of these requests on their registered email ID's

➢ Guidelines for Bank Guarantees and Performance Bank Guarantees

All PBGs and BGs should be accompanied with a cover letter stating one of the following (available with your BPCL contract)

- PO/ Contract number
- RFQ number

In addition, please clearly state the following:

- Vendor number
- Vendor Name, address, email address and phone number
- Vendor point of contact
- BPCL location and address

Further, currently on receipt of these BG's, letters are being sent to issuing Bank for BG Confirmation. On many occasions there are delays or no response from Banks with regards to confirmation of BG's which ultimately leads to delay in release of vendor payments.

Considering the above pain points, BPCL has tied up with SBI for implementation of SFMS (Structured Financial Messaging Service) Bank Guarantee Process and the salient features are as given below:

1) Vendors/ Contractors shall provide BPCL's Bank Account No. & IFSC Code (Details given below) to their existing Bank at the time of application for Bank Guarantee in favor of BPCL
2) Your Bank shall issue the Bank Guarantee & send SFMS message to BPCL Bank confirming the Bank Guarantee as genuine
3) **BPCL's Bank (SBI) shall in turn send the said SFMS message to BPCL's dedicated email ID basis which BPEC shall consider the said Bank Guarantee as verified by Bank**
4) Once the above process is completed, BPEC Team shall proceed with the release of payment to vendors which is due against the said Bank Guarantee.

Name of Bank: State Bank of India
Branch: CAG Branch, Mumbai
Account No: 11083980831
IFSC Code: SBIN0009995

REQUEST FOR RELEASE OF SECURITY DEPOSIT

Date: DD/MM/YYYY

To,

The Allied Process Team
BUSINESS PROCESS EXCELLENCE CENTRE
4th FLOOR, BPCL OFFICE COMPLEX
PLOT NO. 6 SECTOR – 2
BEHIND CIDCO GARDEN, KHARGHAR
NEW MUMBAI-410210

Dear Sir,

Sub: - **Request for Release of Security Deposit**

Request you to kindly release the Security Deposit money held by Bharat Petroleum Corp Ltd as per the details given below:

Purchase Order	**(45XXXXXXXX)**
Contract No (if applicable)	**(46XXXXXXXX)**
Vendor Code	
Vendor Name	
Description of Services / Job Carried	
Security Deposit Amount	

(Only one PO/Contract # per Request letter will be accepted)

Thanking you,

Yours faithfully
For M/s…….

_____

REQUEST FOR RELEASE OF RETENTION MONEY

Date: DD/MM/YYYY

To,

The Allied Process Team
BUSINESS PROCESS EXCELLENCE CENTRE
4th FLOOR, BPCL OFFICE COMPLEX
PLOT NO. 6 SECTOR – 2
BEHIND CIDCO GARDEN, KHARGHAR
NEW MUMBAI-410210

Dear Sir,

Sub: - **Request for Release of Retention Money**

Request you to kindly release the retention money held by Bharat Petroleum Corp Ltd as per details given below

The request to release is based on (Please tick whichever applicable)

- ☐ Retention money is due since defect liability period is complete
- ☐ Performance Bank Guarantee submitted against PO/Contract

Purchase Order	**(45XXXXXXXX)**
Contract No (if applicable)	**(46XXXXXXXX)**
Vendor Code	
Vendor Name	
Description of Services / Job Carried	

(Only one PO/Contract # per Request letter will be accepted)

S. No	Invoice Ref. No.	Invoice Date	Invoice Amount	Performance Bank Guarantee No. (if retention release against submission of PBG)	Retention Amount
1					
2					

Thanking you,

Yours faithfully
For M/s……

A. Guidance Note for filing the template for new vendor creation-

1. All annexure/details in annexure are mandatory to be filled. If any of the annexure/detail is not applicable to you, please write "Not Applicable" (NA) for the same.
2. All the annexure are required to be dated, signed and stamped by the authorized signatory as per table below –

S. No.	Type of organization	Authorized signatory
1	Individual/ Sole proprietor	Individual /Sole proprietor (with seal)
2	HUF	Karta of Family(with seal))/authorized signatory (with seal)
3	Partnership Firm	Designated partner (with seal))/authorized signatory (with seal)
4	Others	Designated officer (with seal))/authorized signatory (with seal)

3. Please attach self attested copies of all relevant certificates/documents (latest) as mentioned below while submitting the details to us –

Annexure	Particulars	Documents required
1	Company and Tax related data	a. Certificate of incorporation under relevant act/ partnership deed/trust deed b. PAN card c. GST registration certificate, if registered
2	NEFT data	a. Latest Bank Certification- dated, signed and attested with bank seal **OR** b. Cancelled copy of cheque, self attested and stamped.
3	MSME	MSME/Udyog Aadhar registration certificate, if registered under MSME

4. Please indicate E-mail Id and mobile No. to be used by BPCL for sending communication relating to invoice status, TDS certificates, Payment advice etc.
5. The address provided should be as per the GST registration address. However, a different communication address can be given in the Annexure-1 provided the state for which GST number is given and the state of communication address is same.
6. Please indicate whether you are registered, registered under composition scheme of GST act or unregistered under GST**. In case of GST registrations in more than one state, kindly fill in separate template as well as provide full set of documents for each registration**. In case, there is more than one registration no. in one state, please specify “Business Division” of each GST registration number as well.
7. If you are registered under MSME/Udyog Aadhar, please fill Annexure-3 as well.

B. <u>Guidelines for change in master data for existing vendor code-</u>

In case of updation of specific details for your existing vendor code, following details is mandatory-

S.no. as per Annexure-1	**Particulars**	**Mandatory/Optional**
2	E-mail ID	Mandatory
3	Mobile No.	Mandatory
4	Telephone No.	Optional
5	Communication Address as per GST registration address	Mandatory
6	PAN Number	Mandatory, if only PAN updation
7	Whether registered under GST	Mandatory , if only GST updation
8	GST Regn no. /Composition registration no.	
9	Whether unit **for which GST no. is provided** is located in SEZ	
10	Whether having multiple registration in a state	

Template for Updation of Contact Details

Sr. No	Description	Vendor Response	Remarks
1	Vendor code		
2	Vendor Name		
3	PAN Card No.		
4	E-mail ID		Pls. indicate e-mail Id to be used by us for sending invoice status, payment advice, TDS certificate, Communication etc.
5	Mobile No.		
6	Telephone No.	STD Code: Landline No. :	Pls. indicate STD code followed by Telephone No.
7	Name of Contact person		

I/We confirm that information provided above is true to my knowledge & belief.

Date :_____

_____ (Name of Authorized signatory)

_____ (Signature of Authorized signatory)

_____ (Company Seal)

Place:_____

BHARAT PETROLEUM CORPORATION LIMITED
SOCIAL MEDIA POLICY FOR BUSINESS PARTNERS

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TERMS AND CONDITIONS FOR ACCEPTABLE USE OF SOCIAL MEDIA BY BUSINESS PARTNERS

1. OBJECTIVE

Social media has become part of everyday life and a means of communication and sharing information with others. Every organization recognises the benefits that social media tools can provide, and also reckons the challenges it brings.

These terms and conditions ("**Social Media T&Cs**") seek to provide clear guidance on acceptable standards of conduct and practices to be followed by the Business Partners (*as defined below*) of Bharat Petroleum Corporation Limited ("**Corporation**"), in the usage of social media tools during and post their association with the Corporation. These terms and conditions are intended to protect and safeguard *inter alia* the interests and reputation of the Corporation, in the access, use of or participation on Social Media (*as defined below*) platforms by such constituents.

It is important to maintain the highest degree of professional standard that is associated with the Corporation's name, brand and reputation. Constituents must constantly be aware of the risk of damaging the Corporation's name or reputation in public forums. These terms and conditions should be adhered to by each constituent at all times and should be read harmoniously and in conjunction with the terms of their engagement with the Corporation, as well as other applicable policies and directions issued by Corporation, from time to time, including the Relevant Documents (*as defined below*).

1.1. Social Media

Social Media includes any web or mobile based platform that enables an individual or agency to communicate interactively and enables exchange of user generated content. The term "**Social Media**" describes internet-based technologies and practices that people use to share opinions, insights, experiences and perspectives. It may be internal (housed within the Constituent's technology infrastructure and open for use only by the Constituents) or public (widely available to the population of internet users).

These terms and conditions are applicable equally to a wide range of websites and mobile phone / tablet applications, including the following:

(a) Social Networking sites, for example - Facebook, Twitter, and LinkedIn.
(b) Media Sharing sites, for example - Instagram, Snapchat, YouTube
(c) Discussion forums, for example - Reddit, Quora, Digg, Glassdoor
(d) Content Curation network, for example - Pinterest, Flipboard

(e) Blogging and Publishing sites, for example - WordPress, Tumblr, Medium including blogs
(f) Interest-based network, for example - Goodreads, Houzz
(g) Information sharing sites, such as Wikipedia
(h) Opinion sites (e.g. Yahoo! Answers)
(i) Any other social media platform/s

1.2. Scope and Applicability

These Social Media T&Cs are applicable to all Business Partners (*as defined below*), including any prospective partners of the Corporation (the "**Constituents**").

The Social Media T&Cs provides a framework for the usage of Social Media by the Constituents and non-conformance with these Social Media T&Cs or any other applicable policy or directions issued by the Corporation as may be relevant to the Constituents, may result in penalties ranging from financial to legal liabilities, as set out under the respective contractual understanding between each Business Partner and the Corporation.

1.3. Relevant Documents

These Social Media T&Cs have been formulated in line with the Framework & Guidelines for Use of Social Media for Government Organizations, issued by the Department of Electronics and Information Technology, Ministry of Communications & Information Technology, Government of India.

In addition, these Social Media T&Cs must be read in conjunction with the underlying contract documents including the following documents (collectively, the "**Relevant Documents**"), as may be applicable to each Constituent:

(a) General Conditions of Contract for vendors (relevant clauses are placed at Annexure I);

(b) Transportation Contract Agreement Bulk LPG Transportation Contract By Road (relevant clauses are placed at Annexure II);

(c) PCVO, Retail and Lubes Transport guidelines.

2. CONTENT GUIDELINES

This section seeks to set out the guidelines for content management as well as administration rights of all official Business Partner Social Media accounts and ensure accountability of the authorised representatives of such Business Partner.

The following guidelines on content sharing ("**Content Guidelines**") must be followed, in relation to all content created, posted or shared on Social Media:

(a) All post and other content shared via Social Media shall abide by applicable laws, including the Information Technology Act, 2000 and rules made thereunder, as amended.

(b) The content posted or shared though official Social Media accounts, shall be relevant, engaging and in line with the Corporation's brand and communication strategy, whether in the form of text, images, gifs, videos, etc.

(c) The Constituents shall be mindful of content and the tone associated with it. A negative tonality, sarcasm, dry humour, pun, memes, etc. should be avoided to steer clear from any controversy.

(d) The Constituents shall be careful and ensure that any content posted or shared through the official Social Media accounts does not bring disrepute to the Corporation. Opinion or comments on political observations, religious beliefs, gender biases, etc. must be avoided while operating official Social Media accounts. In the use of official Social Media accounts, the Constituents shall refrain from forwarding or sharing any videos or images or messages, which are considered inappropriate or any content that is considered offensive, obscene or derogatory in nature.

(e) The Constituents shall be cognizant of concerns regarding confidentiality and disclosure requirements, and must at all times, adhere to the Relevant Documents as well as these terms and conditions, to understand what shall be disclosed on a public platform. For instance any communication marked as "privileged" or "restricted" or "confidential" or "not for circulation" should not be shared on Social Media. The Constituents are absolutely prohibited from disclosing commercially sensitive, anticompetitive, private or confidential information. If unsure whether the information that is proposed to be shared falls within one of these categories, authorised representatives of the Constituent may discuss with the concerned official as designated by the Corporation.

(f) The Constituents shall ensure that any references to the Corporation or its employees, or other customers, partners and vendors do not contravene any non-disclosure agreements. The Constituents shall avoid disclosure of any information pertaining to any employee / vendor / customer or individual associated with the Corporation, without their prior consent.

(g) The Constituents shall be vigilant about tagging, mentions and conversations around the Corporation. If it notices any customer complaint, dealer/ distributor/ vendor grievances, media story etc., the same may be flagged to the official channels of the Corporation and will be responded to by authorized personnel within the Corporation.

(h) In the operation of official Social Media accounts, the Constituents shall be cognizant of maintaining professional etiquette for all interactions and shall not initiate or engage in discussions which may be characterised as showcasing a personal opinion such as political or religious beliefs. In

addition, official Social Media accounts should not share any content or comment that may be viewed as colouring the relations between the Corporation and the Government of India or any Ministry / Department of the Central or State Governments.

(i) The Constituents, particularly in the use of official Social Media accounts, shall only post original content, which is free of any copyright infringement or plagiarism. To ensure the reputation and principles of the Corporation are safeguarded, all Constituents must avoid posting content that violates the law, infringes the intellectual property rights of the Corporation and its group companies or of any individual or organization. Any inadvertent posts, which violates these principles, must be removed / deleted immediately upon becoming aware of the implications as set out in these guidelines.

As responsible business partners of the Corporation, the following points must be strictly observed and followed by the Constituents:

(i) Text, photos, images, musical work in any form, video clips, movie clips, or any other content for which the Constituent does not own copyright, must not be used in any form, and in particular for official purposes to promote any activities related to the Corporation, without obtaining consent from the copyright owner. If the copyright owner for such work cannot be identified or if the consent for use of such work is not provided by the copyright owner, the work must not be used by the Constituent.

(ii) Capturing photographs and/or videos of the Corporation's offices, facilities, and other establishments (within or outside) or customer sites is strictly prohibited. Any such illegal images and/or videos of the Corporation's establishments, offices, facilities and factories or other sites and whether directly emailing or otherwise circulating such content via Social Media posts on the Internet, shall attract legal consequences. Official visual materials may be availed from the Corporation and can be requested through email, to the relevant State / Territory team.

(iii) Creation, sharing and/or distribution of videos which make use of unlicensed music is strictly prohibited.

(iv) Unauthorized videos of any events hosted by the Corporation, whether within or outside the Corporation's premises that may be captured by Constituents shall not be shared/distributed on Social Media.

(v) All Constituents must take due care to protect the Corporation's copyright and intellectual property within and outside the organization.

(j) The authorised personnel operating official Social Media accounts of respective Business Partner shall not post unverified news, or news from dubious 'sources', that may project the Corporation in a negative light.

(k) The admins operating official Social Media accounts shall clearly state the source and give due disclaimers while quoting any third-party content through such Social Media accounts.

(l) Additionally, content on official Business Partner Social Media Accounts shall be limited to the coverage of activities related to the business only. However, these accounts can re-share / retweet the posts of Corporation's official Social Media accounts, subject to the veracity of such accounts.

3. ACCEPTABLE USAGE OF SOCIAL MEDIA BY BUSINESS PARTNERS

The following guidelines are applicable to vendors, suppliers and other contractors of the Corporation ("**Business Partners**"), and these are intended to supplement, and do not to replace the terms and conditions or any other agreement or guidelines (including the applicable provisions set out under Annexure I or II of these Social Media T&Cs), which are currently in place to regulate the conduct of such Business Partners:

(a) Business Partners have the discretion to decide whether their Social Media accounts will be used for personal or professional purposes. However, in any event, whether such Social Media accounts are used for official purposes or personal purposes, to the extent that they declare their affiliation with the Corporation in any way, it is deemed that they will abide by these terms and conditions read with the applicable contractual provisions and the Framework & Guidelines for Use of Social Media for Government Organizations, issued by the Department of Electronics and Information Technology, Ministry of Communications & Information Technology, Government of India.

(b) Only official Business Partners accounts are eligible to declare their association with the Corporation or using any content owned by or belonging to the Corporation, including logo, product specifications, product pictures, product catalogues, etc. Such accounts may only post content that are official in nature and reasonably expected to promote the activities specific to its business. Such official Business Partner Social Media account shall be akin to a professional page to promote business interactions and shall not post any content which may showcase the account as expressing opinion on ancillary matters which are not in furtherance of the objective set out under the Relevant Documents, such as posts related to entertainment industry, or political views etc. However, such affiliation or use of Corporation's content, such as logo, product pictures etc. is only limited to use by official Social Media accounts of such Business Partner, and will not, at any time, be used by any authorised or other personnel of such Business Partner, in the operation of a personal Social Media account.

(c) Every Business Partner's official or personal (individual) Social Media account is prohibited from posting / circulating any official communication / document or disclosing any business-related or other confidential information, pertaining to the Corporation, in accordance with the Relevant Documents.

(d) Each Business Partner Social Media account, particularly those accounts which have been permitted to acknowledge their association with the Corporation, has an obligation to exercise caution in the posting or sharing of content on Social Media, and shall undertake adequate diligence prior to posting any content. In particular, such accounts shall be fully cognizant of posting or providing traction to any 'fake news' and shall refrain from posting or sharing unlawful, controversial or unverified news, or news from dubious 'sources', particularly in relation to the Corporation and the Central / State Governments.

(e) The Business Partner Social Media account which are maintained for official purposes, shall refrain from engaging in unlawful or inappropriate posts or sharing any content that may be defamatory or may have the effect of downplaying the Corporation's business or competitors. In addition, such account should also not post or share content using derogatory language or is likely to demean sentiments of anyone with whom they engage in any public communication using Social Media.

(f) Business Partners using Social Media for official purposes and especially those accounts that have been approved by the Corporation, shall maintain professional and proper etiquette in online interaction via Social Media and shall not engage in inappropriate behaviour. Such inappropriate behaviour includes but may not be limited to posting, sharing or endorsing in any form, any content which may be considered as:

(i) Divisive, unethical or unlawful at the workplace;

(ii) False, or derogatory, or amounting to bullying, trolling, intimidating, or harassing including using offensive, defamatory, threatening, discriminating, obscene or insulting language;

(iii) A misrepresentation of the Corporation, such as creating any unofficial groups or networks (whether intentional or unintentional) using the Corporation's name, logo, or email address;

(iv) Compromising the confidentiality (of the Constituents and/or the Corporation's information), or creating a conflict of interest;

(v) Disclosing commercially sensitive, anticompetitive, or information which is marked as restricted for internal circulation within the Corporation;

(vi) Misleading and misrepresentative, such as creating or endorsing any video channel / account representing the Corporation or any specific Business Unit, or otherwise posting or sharing any content owned by the

Corporation, unless such content has been posted on verifiable official Social Media accounts of the Corporation;

(vii) Amounting to pornographic material (that is, writing, pictures, films and video clips of a sexually explicit nature) or content that could be considered as offensive, obscene or criminal; or

(viii) Creating or likely to create any liability (whether criminal or civil, for the Corporation).

Where evidence of misuse or inappropriate behaviour is brought to the notice of the Corporation, the Corporation may undertake a more detailed investigation in accordance with its procedures, which may involve the examination and disclosure of records by those nominated to undertake the investigation and any witnesses involved in the investigation. If necessary, action may be taken against such Business Partner under the respective contractual agreement and in case required, such information may be handed to authorities in connection with the investigation.

(g) Any violation of these Social Media T&Cs shall be treated as violation of General Conditions of Contract of the Corporation and may invite action by the Corporation as deemed fit, based on the sole discretion of the Corporation.

(h) The Corporation has a zero-tolerance policy for any complaints that may be brought to its notice via Business Partner Social Media accounts. In the event the Business Partner or its associates *etc.* are dissatisfied with the Corporation, or have any unresolved query or grievance against the Corporation or any individual who is in the employment or association of the Corporation, the Business Partner or such person associated with it must reach out to the designated official and follow the hierarchy established within the Corporation. All such communication must follow the formal processes that are available as per contractual agreement with the Corporation. In the event the Business Partner, whether by itself or its employee or associate publishes any such information on Social Media or discloses details of any complaint or dispute with the Corporation on a public forum through Social Media, it will be in breach of the terms of these T&Cs and its agreement with the Corporation, and the Corporation will have the right to pursue such legal remedies as may be appropriate and available under law.

(i) Upon termination or expiry of the Relevant Document / underlying contractual agreement between the Corporation and the Business Partner, the Business Partner shall ensure that all references and posts which disclose any affiliation with the Corporation has been scrubbed from the Business Partner's Social Media account and a formal written declaration to this effect must be provided to the Corporation, within 7 days of such termination or expiry.

4. ENFORCEABILITY AND COMPLIANCE

4.1. These Social Media T&Cs are construed to be a part of the Relevant Documents and form an integral part of the contractual understanding between the Corporation and the Business Partner.

4.2. Any violation of the Social Media T&Cs shall be treated as violation of respective contractual understanding between the Corporation and the Business Partner, and may invite appropriate action by the Corporation as deemed fit.

4.3. The Business Partner agrees and understands that all activities of the Business Partner's official Social Media Account is subject to monitoring and periodic audits by the Corporation, if required.

4.4. The Business Partner will provide its written acknowledgement to these Social Media T&Cs, in the form set out in Annexure III, failing which the Corporation may take such action as may be necessary to ensure compliance with these terms and conditions.

4.5. The concerned official of the Corporation shall be responsible for reviewing the compliance of these Social Media T&Cs as may be required to ensure that it meets legal requirements and reflects best practice.

ANNEXURE I

GENERAL CONDITIONS OF CONTRACT FOR VENDORS

Clause 34: Contractor's Subordinate Staff and Their Conducts:

34.2 If and whenever any of the Contractor's or sub-contractor's agents, sub-agents, assistants supervisor or other employees shall in the opinion of Engineer-in-Charge be guilty of any misconduct or be incompetent or insufficiently qualified or negligent in the performance of their duties or that in the opinion of the owner or Engineer-in-Charge, it is undesirable for administrative or any other reason for such person or persons to be employed in the works, the contractor, if so directed by the Engineer-in- Charge, shall at once remove such person or persons from employment thereon. Any person or persons so removed from the works shall not again be employed in connection with the works without the written permission of the Engineer-in-Charge. Any person so removed from the works shall be immediately replaced at the expense of the contractor by a qualified and competent substitute. Should the contractor be requested to repatriate any person removed from the works he shall do so and shall bear all costs in connection herewith.

34.3 The contractor shall be responsible for the proper behaviour of all the staff, supervisor, workmen and others and shall exercise a proper degree of control over them and in particular, and without prejudice to the said generality, the contractor shall be bound to prohibit and prevent any employees from trespassing or acting in any way detrimental or prejudicial to the interest of the community or of the properties or occupiers of land and properties in the neighbourhood and in the event of such employee so trespassing, the contractor shall be responsible therefore and relieve the Owner of all consequent claims or actions for damages or injury or any other grounds whatsoever. The decision of the Engineer-in-Charge upon any matter arising under this clause shall be final. Contractor shall ensure that none of their employees are ever engaged in any anti-national activities.

Clause 44: Liens

44.2 Contractor will not disclose details of the work to any person or persons except those engaged in its performance, and only to the extent required for the particular portion of the work being done. Contractor will not give any items concerning details of the work to the press or a news disseminating agency without prior written approval from Engineer-in-Charge. Contractor shall not take any pictures on site without written approval of Engineer-in-Charge.

ANNEXURE II

TRANSPORTATION CONTRACT AGREEMENT FOR BULK LPG TRANSPORTATION CONTRACT BY ROAD

Clause 28:

(a) The Transporter shall remain at all times liable to the Corporation for any loss or damage caused to any building, plant machinery or the property of the Corporation due to careless, negligent, inexperienced act or default of the Transporter, their agents, representative or employees. The Corporation shall be entitled to deduct from the amounts payable to the Transporter under this Agreement or otherwise the loss or damages so suffered.

(b) The Transporter will be liable for any loss and/or injury to Corporation's employee due to careless, negligent, wrongful act or default of the Transporter, his/their representatives or employees in carrying out the job under this contract.

Clause 38:

All terms & conditions stipulated in the Guidelines for Bidders, Tender Terms & Conditions, Declarations, Agreement, Industry Bulk LPG Transport Discipline Guidelines and other documents furnished with the Tender and related correspondence shall form part of the contract. The Corporations are entitled to frame and implement the Policy(ies) applicable to Transporters, and to modify and amend the same from time to time, and that the Policy(ies) as framed, amended and modified would be binding on the Transporters, immediately upon being communicated to them.

Clauses from Transportation Agreement of Retail and MAK Lubricants

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ANNEUXRE III

FORMAT OF ACKNOWLEDGEMENT

To,
[*insert details to whom such acknowledgement may be addressed***]**

[*in the case of an individual or sole proprietorship*] I am _____ , an inhabitant of _____ and carrying on business of _____

OR

We are [*insert names of all partners of firm*] carrying on business at _____ in partnership under the firm name and style of M/s. _____

OR

[*insert name of Limited Company or a Co-operative Society / Trust Co-operative*] incorporated under the laws of India and having its Registered Office at _____
_____

I / We have entered into a [insert name of agreement] dated [*insert date*] ("**Agreement**") for the [*insert purpose*], with Bharat Petroleum Corporation Limited ("**BPCL**").

In furtherance thereof, we have been provided with a copy of the Terms and Conditions for Acceptable Use of Social Media by Business Partners, issued by the Corporation.

I / We have read and understood BPCL's Terms and Conditions for Acceptable Use of Social Media by Business Partners and agree to abide by it.

I / We understand that any violation of the above conditions may result in disciplinary action, or termination or revocation of the Agreement.

In acknowledgement thereof, please see below our acceptance of the Terms and Conditions for Acceptable Use of Social Media by Business Partners, issued by the Corporation, duly signed and acknowledged by [*insert name*], in the capacity of our authorised representative.

A copy of such authorisation is also attached for your record.

_____
(Signature & seal)

Name:
Designation: Date:

BPCL Supplier / Vendor Advisory on Environmental Criteria

Dear Suppliers / Vendors,
As you aware that environment is one of the most precious gifts given to us by Mother Nature. We must be conscious of our actions and act responsibly to preserve and conserve the environment. BPCL has always endeavoured to be a responsible & conscious corporate citizen. We would also want to engage you - our suppliers - in the efforts to reduce our impact on the environment.

Below are the advisory guidelines on environmental criteria, which we want our suppliers to follow:

1. Emission / Pollution Control (Air, Water, Soil, Noise etc.)

a. The organization and its all operations should follow all laws related to emission / pollution norms.
b. The organization should get all necessary approvals & certifications for emission / pollution control from relevant authorities for plants, equipment, vehicles etc.
c. Monitoring mechanism should be put in place for all emissions / pollution emitted from organization owned assets e.g. Equipment, vehicles etc.
d. Organization should conduct training and awareness programs for the staff on emission / pollution impacts & prevention.

2. Energy

a. Monitoring energy consumption by the organization from all sources should be done.
b. Organization should strive to reduce energy consumption by employing energy efficiency & conservation measures.
c. Use of alternate fuel sources & renewable energy should be promoted by the organization.

3. Water

a. Water consumption from all the sources should be monitored by the organization.
b. Reduction in water consumption should be aimed by treating waste water & alternative use of waste water.
c. Waste water should be treated to remove harmful elements before releasing it to the eco-system.

4. Reducing Resource Intensity

a. Optimization / re-use / recycle techniques should be used to reduce the use of resources.
b. Minimizing use of resources having major environmental impact should be done and substitutes should be found.
c. Proper handling should be done for hazardous resources (chemicals etc.) having impact on humans & eco system.

5. Waste Management

a. Waste segregation based on type of waste (solid, liquid, hazardous, etc.) generated by the organization should be done.
b. Opportunities for recycling & re-use of waste should be identified & promoted by the organization.
c. Hazardous waste should be handled by trained personnel & disposed to authorized agencies only.

6. Risk Mitigation

a. Environmental Risk Assessment should be carried out for all the organization's operations.
b. The severity / extent of damage due to the environmental risk should be estimated.
c. Staff / personnel involved in operations related to environmental risk should be trained and regular awareness programs should be conducted.

The guidelines are indicative of the direction that the suppliers should take to be more environmentally supportive. Suppliers should join hands with BPCL in making a value chain that is environmentally aware and responsible.

ANNEXURE-I TO SPC

PACKING, MARKING, SHIPPING AND DOCUMENTATION SPECIFICATION

स्वदेशी सामग्रियों के लिए पैकिंग, मार्किंग, शिपिंग और दस्तावेज विनिर्देश

PACKING, MARKING, SHIPPING AND DOCUMENTATION

SPECIFICATIONS FOR INDIGENOUS MATERIALS

Rev. No	Date	Purpose	Prepared by	Reviewed by	Approved by
2	20.04.2024	ISSUED FOR COMPLIANCE	DDC	DRC	CGM & HOD (Shipping)
1	10-09-2018	ISSUED FOR COMPLIANCE	DDC	DRC	ED (SCM)
0	05-12-2012	ISSUED FOR COMPLIANCE	DDC	DRC	GM (I)

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Abbreviations:

CM	-	Centimeters
EIL	-	Engineers India Limited
E-way bill	-	Electronic Way Bill
Kg	-	Kilograms
FTL	-	Full Truck / Trailer Load
KGS	-	Kilograms
L.R.	-	Lorry Receipt
GR.	-	Goods Receipt
mm	-	Millimetre
MT	-	Metric Ton
NO. / NOS.	-	Number / Numbers
P.O.	-	Purchase Order
RCM	-	Resident Construction Manager

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1. GENERAL

1.1 Purpose

This specification details the minimum requirements for the preservation, packing, marking, shipping and documentation of Products, materials and equipment as specified in the respective Purchase Orders or Contracts. This specification forms an integral part of the Purchase Order or Contract issued. However, whenever specific instructions are detailed in the Purchase Order / Purchase Requisition and are in conflict with this specification, particular instructions mentioned in the individual Purchase Order /Purchase Requisition or Contract shall prevail over this general specification.

1.2 Requirements and Conditions

The following requirements are intended as minimum requirements, and compliance to these requirements in no way absolves or relieves Supplier of any responsibility or obligation outlined in the Purchase Order. Supplier shall ensure compliance to the preservation, packing ,marking ,shipping and documentation guidelines specified in this document.

In all circumstances, the packing will be designed and constructed in order to support materials during transportation as well as to prevent the materials from damage due to impact, extreme climatic conditions, sun and rain. It must be ensured that the materials and equipments are delivered to the job site by sea, road or air, in good condition.

The Supplier shall, at its own cost, ensure items to be transported are carefully packed and protected in accordance with best practice, having due regard to the climatic conditions encountered during the passage, method of carriage and handling / loading / unloading processes. In addition to any of the measures detailed within this Specification, the Supplier shall apply any other measures that, in its experience, are required to safeguard the particular item. The Supplier shall obtain the approval of EIL / Owner for any variation to the packing, marking and shipping requirements outlined in this Specification.

1.3 Responsibility and liability

Supplier shall be held responsible for any damages and / or losses of all and any kind that may occur by not respecting these specifications. Owner / EIL reserves the right to reject any packing when the packing does not conform to these specifications / instructions and / or when the packing does not ensure perfect protection of the goods and materials. Supplier is responsible for the weights and dimensions declared and the marking of the packages. Supplier will be held responsible in the event goods and materials becoming useless, broken or damaged as a result of poor packing and / or stowing or due to corrosion because of insufficient or inadequate protection. All direct and indirect costs resulting thereof will be back charged to Supplier.

2. CLEANING AND PRESERVATION

2.1 Cleaning

All equipment, materials and parts shall be thoroughly cleaned inside and outside and shall be free from grease, oil, weld spatter, rust and all other foreign matter prior to preservation.

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2.2 Preservation

Articles may be exposed to severe environmental or climatic conditions, moisture and dust. All materials and equipment shall be packaged suitable to prevent damage and deterioration during transportation and storage. Where damage occurs due to inadequate packaging of items, the liability for costs associated with rectification of the damage will be to the Supplier's account. All metals subject to corrosion shall be treated with a corrosion preservative suitable for the purpose intended. Products susceptible to corrosion must be packaged in a dry non-corrosive environment for the duration of shipment and storage, for a minimum of 1 year or any other higher duration specified in the PO/PR. All bright and machined parts shall be coated with a recognized rust preventative suited to the particular application concerned. All internal parts of machinery shall be treated with lubricant containing rust and oxidation inhibitors to protect equipment from any possible damage. Such lubricants shall be compatible with those which will subsequently be used in service and shall be identified by appropriate tagging. Electrical equipment and instrumentation shall be packed with a suitable desiccant. Delicate equipment such as instruments, electrical switchboards and panels etc. shall be packed for protection to eliminate the effects of vibration.

Wherever necessary, desiccant packs shall be kept to avoid excessive moisture in the packing.

3. PACKING

3.1 General

The instructions herein shall be considered as general directives and minimal requirements, which are applicable to the packing of all equipment and materials. The Supplier is responsible for the correct and adequate packing of the equipment and materials so that these equipment and materials will arrive at destination undamaged and the packing itself in such a condition that it will be suitable for a minimum of 1 year storage or as specified otherwise.

3.2 Packaging Materials

All packaging together with packaging and protective materials shall be new, maintain its integrity and perform its intended function while being transported, handled and stored.

The quality of packing shall provide maximum protection against damage, breakage and pilferage during transport, storage and multiple handling, including handling by hoisting, lifting devices and / or forklift trucks. Material used for packaging, packing, wrapping, sealers, moisture resistant barriers and corrosion preservatives shall be of recognized brands and grades and shall conform to the best world standards.

Packaged Products showing any damage, defect or shortage resulting from improper & inadequate packaging, packaging materials or packing procedure or having concealed damage or being short at the time of unpacking shall be subject to rejection and be replaced at the Supplier's cost

3.3 Packing requirements

3.3.1 Wooden Boxes and Crates

Interior support board shall be of strength to withstand multiple handling. Tops of crates shall be one piece wherever possible to avoid seepage through cracks; otherwise a top coating is required. Waterproof lining shall be used for sides, ends and top of crates, proper venting of cargo boxes containing machinery is required, as well as sufficient use

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of desiccants. Crates shall be diagonally braced on all faces and suitable for hooks, slings and forklifts. Heavy items shall be secured with wood braces. Fragile items shall be cushioned. Material packed in large boxes shall be layered between plywood sheets to maintain load integrity during transit. Banding shall be used on all boxes to prevent distortion / deformation of the box.

3.3.2 Pallets

When equipment and/or materials are packed on pallets (wood or synthetic), these should be solid double deck pallets that provide adequate load support during transportation and storage (under not always ideal conditions). The pallets should have a dynamic load capacity, enough to carry the mass loaded on the pallet. Where feasible, the top surface of the pallet must be flat. The pallet design must enable safe handling by forklift, cranes etc. and storage on rough surface. Pallets shall be covered with wrapping. All corners, horizontal and vertical shall be protected with cardboard protection strips. The pallet must be tide on all sides with steel or synthetic straps.

3.4 Packaging

All equipment and materials shall be properly fixed (by bolts, clamps, supporting beams, etc.) in such a way that internal movements and / or loosening is impossible. Under the top cover (roof) depending on the case and crate length, sufficient number of strong beams shall be placed and properly fixed in order to allow stacking of the cases and crates avoiding any compression. Equipment parts and materials which may be subject to damage by vibration and /or shock must be protected using shock-absorbing material. All equipment and materials which may be damaged by moisture shall be packed in airtight bags in which sufficient desiccant material (e.g. silica gel) is placed. All openings on the equipment must be closed with wooden / metal or plastic covers to prevent damage to the openings and interiors. Fragile and loose parts easily damageable pertaining to the equipment must be securely and properly packed in a separate case.

3.5 Waterproofing

Cases including the cover shall be internally lined with a strong type of waterproof paper or plastic foil. Equipment and materials shall always be packed in a foil (polyethylene or aluminum) for extra (double) protection against rainfall. Those foils shall be applied in such a way that they are self draining.

3.6 Hazardous cargo

The hazardous materials shall be packed in accordance with and in cognizance to the applicable rules, regulations and tariff of all Governmental Authorities and other Governing bodies. Hazardous materials shall always be packed and documented separately from any other material. It shall be the responsibility of the seller of hazardous materials to designate the materials as hazardous and to identify each material by its proper commodity name and its hazardous materials class code. Safety and emergency procedures shall be displayed outside the package. Any certificates required for transportation or for statutory authorities as applicable, needs to be provided before shipment of the goods.

4. GUIDELINES FOR PACKING GOODS

In subsequent paragraphs details of different types of packing for different types of goods are defined. Supplier shall make packing details / procedure based on the applicable guidelines

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Chemicals in powder form, catalysts, refractories & like materials etc. shall be packed in drums only.

4.1 Pipe

All pipes 2" included and below shall be packed in crates.. Pipes over 2" up to 6", shall be bundled and banded in bundles of uniform length. Bundling is carried out with U-IRON or traversal planks, joined with threaded connecting rods with locknuts.. Bundle weight shall not exceed 2,000 kg. All pipes are to be capped and ends sealed with waterproof tape (tape is not necessary if end caps are of the pre-shrunk or self-sealing type).Pipes larger than 6" shall be shipped as single lengths with the ends capped. End caps are to be of the recessed type to enable the use of soft faced hooks, but still completely sealing the end and also protecting the weld. All stainless steel / non-ferrous piping must be packed separately in wooden crates. Any banding of bundles is to be with the same material. The bundling and packing of pipe and instrument tubing shall enable the safe discharge of pipe on site using clamps and forklifts. All pipes shall be supported along their lengths to prevent bending / flexing during transport. During loading / unloading slings shall be applied to the center of the load as well as on each end to prevent bowing.

Pipe and rigid conduit smaller than DN50 diameter shall be bundled in units not to exceed 1000 kg. Threaded and coupled pipe shall be equipped with plastic thread protectors. All material shall be segregated and shipped by generic material type to prevent cross contamination. Where wire rope or chains are used, adequate padding shall be used at points of contact with pipe. Care must be taken to prevent any chafing of pipes against each other or against the metal structures of the vehicle during transportation. Where necessary, such metal structures must be padded with planks or plastic tubes. Skids and dunnage must be used between the bundles in transit as well as in the storage of coated pipes.

4.2 Pipe Fittings, Flanges, Valves and Gaskets

All pipe fittings, flanges and valves up to 6", are to be packed in cases / crates. For items over 6", these may be fixed securely to a pallet base and enclosed in a crate, for protection. All flange faces / bevel ends shall be suitably protected with plastic caps / end protectors. Where valves have actuators attached, rigidity must be ensured for the valve and actuator. The vulnerable parts of the actuator are to be completely protected within a wooden crate. Empty spaces shall be filled with expanded PU foam to restrict movement in the crate. All stainless steel fittings, flanges and valves of all sizes, must be packed separately in wooden crates. Any strapping is to be with the same material. Gaskets are considered fragile and shall be treated as such. Individual gasket sizes shall be boxed and labeled separately.

All threaded fittings and pipes should be greased and provided with plastic caps.

4.3 Steel Structure and Plates

Structural steel sections and plates shall be strapped in bundles of convenient size and weight for handling. Rolled and shaped plates shall be provided with suitable bracing to eliminate distortion during transit, and shall be bundled in uniform lengths. Each bundle shall be marked with a metal tag, hard stamped, secured under steel wrapping.

4.4 Itemized Equipment

Units or parts belonging to main equipment but separately packed shall be clearly marked for easy identification with the main equipment to which they relate.

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All gasket face of flanges, machined working surfaces and threaded parts of all equipment shall be covered with rust preventive tape or by application of oil based alkyd primers or zinc bases epoxies or thin zinc silicate coatings specially formulated for the preservation of CS and Alloy Steels. All flanged connections of vessels shall be protected by metal plates correctly casketed by wooden plugs or plastic caps suitably secured in position.

Vessels shall, where possible, be packed on skid constructions and secured with adjustable steel straps. Manholes and other major openings shall be protected with cover flanges or metallic plates firmly secured. Smaller openings shall be closed with plastic plugs / caps.

All vessel internals and items not installed by Supplier at works including accessories such as small parts, bolts, nuts, gaskets, etc. shall be packed in wooden cases separately for each vessel or apparatus and marked with the same item number as the vessel / apparatus in order to protect all parts from loss or damage in transit. Internals, bolts and gaskets for service / testing operations shall be supplied with the vessels / items by Supplier and all internals shall be boxed separately and marked according to marking procedure.Each item shall be supplied correctly and identified for field installation by others.

All vessels / heat exchangers or items of such construction shall be dried, thoroughly cleaned inside and be free of all dirt and loose foreign materials. The equipment shall be filled with Nitrogen. Make up arrangement for loss of Nitrogen along with a pressure gauge shall be installed.

All commissioning spare parts shall be packed separately and marked with the relevant main item number.

Pumps, compressors, rotating equipment, turbines and motors will require specific packing and preservation as per the relevant Technical Specification. For skidded equipment openings, flange faces, threaded connections, wires, valve stems, and other component parts that may be subjected to mechanical damage or corrosion shall be adequately protected. This protection shall be applied to all components, both those removed and boxed and those remaining in place on the skid assembly. Each skid shall have one box strapped to it containing a complete set of drawings together with a manual covering installation and operating instructions and other pertinent instructions required for reassembly of components that were disassembled for shipment.

4.5 Control Panels and Electrical Devices

Equipment such as control panels, instruments and electrical devices shall be packed in an interior moisture / vapor-proof barrier with silica gel or comparable desiccant. Desiccants shall be bagged to avoid dispersing in containers. The quantity of desiccant shall be calculated in accordance with the manufacturer's recommendations. Equipment must be secured to the case with bolts, blocks or straps. Adequate precautions (for example, shaft locks to prevent longitudinal / rotational movement of rotor shafts in motors) shall be included in the packaging of all equipment which has plain, ball or roller bearings so as to minimize the risk of bearing damage.

4.6 Instruments

Instruments shall be thoroughly clean, dry and free from rust and individually wrapped using polythene sheets / U foam / Thermocol sheets depending upon the items and then packed in wooden boxes. The left out spaces and top of the boxes should be filled with rubberized coir to get proper cushioning effect. Special attention shall be paid for arresting movements of their operating mechanism during transportation. Silica gel or

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desiccant (with recognized brands / grades) shall be strapped inside but shall not come into contact with the paintwork.

4.7 Cables

All electric cables to be packed in new cable drums made of steel and painted with epoxy resin paint. Cable ends to be carefully protected before packing. Polythene sheet should be wrapped over the cables and sealed properly. Cable drum can be put in wooden crates for ease in handling and transportation.

4.8 Saddles, Supports, Spiders and Lifting Equipment

All items which cannot be transported without independent supports must be supplied with Shipping saddles suitable for land and / or ocean transit. Such transport saddles are to be included within the scope of supply. Supplier is to advise of any requirement for lifting beams or other specialized lifting equipment and will include provision for use of such equipment for loading purposes. The Supplier is responsible for ensuring that all modules and oversize items are adequately braced and where required, plastic wrapped suitable for transport. Modules and oversize items shall be packaged to prevent damage during transport.

4.9 Assortment Of Package / Spare Parts for Erection and Commissioning

Equipment and / or parts of different item numbers shall not be packed together in the same package. Small goods such as accessories, spare parts for erection and commissioning and special tools shall be packed separately in respective inner boxes with tags or labels attached there, being clearly indicating their contents. In case such accessories, spare parts and special tools are packed in separate boxes / crates, item no. of main equipment shall be clearly mentioned in Main Shipping Mark for easy identification.

5. MARKING

5.1 General

The purpose of the marking is to identify the packages and detail the weight and dimensions to assure efficient and correct handling during transport and upon arrival at destination.

5.2 Marking Instructions & dispatch details

Packages and crates will be marked with indelible black paint. Marking must be perfectly legible. All packages shall be clearly and properly marked in English language if not otherwise specified.

The shipping marks, shall be stenciled on two sides and one end marked with clear characters at least 5 centimeters high (where crate size permits, otherwise use optimum size for each package dimension).

The texts shall be printed by means of stamps, stencil-plates or electronically. The use of stickers is not allowed, unless securely covered by plastic. Bundles shall be marked by embossing on two metal tags bearing the shipping marks and placed on each side of the package and securely attaching them to the goods. Paint shall be used on metal surfaces.

Labels or tags to be clearly visible and shall be of a quality to remain visible and remain attached during transit, handling and storage for a minimum period of 12 Months.

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Crates containing fragile articles must be packed with special precaution against risk of breakage and must be stenciled on all sides "FRAGILE - HANDLE WITH CARE". Where crates are not to be overturned, Supplier must show on the crates, clear and readily visible identification, to ensure they are kept in the correct position.

Packages / equipment of 2,000 kg or more must be marked with slinging points on all sides, in addition to the centre of gravity marks.

Number packages consecutively i.e. 1 of 10, 2 of 10, etc. Do not duplicate package numbers. SUPPLIER is responsible for any loss or damage caused by incorrect marking.

All cases/crates shall also be marked with the appropriate international standard graphic symbols for handling.

As a minimum, all cases/crates are to be marked clearly on all four sides with:

"HANDLE WITH CARE" "RIGHT SIDE UP" "KEEP DRY"

In the case of packages with a single gross weight totaling 2,000 kg and / or a height of more than 1m, the centre of gravity shall be clearly marked with the symbol on two adjoining sides. For all items of equipment with an eccentric centre of gravity, this symbol shall be marked at the bottom, side and top of the package.

The slinging and lashing points shall be marked with a chain symbol.

When packing in cases / crates, these packages shall also have metal corners at the slinging points.

External front and rear sides of the boxes shall be planed for writing instructions. To facilitate identification, the required colour coding as per the specifications shall be carried out on each package and on corners of pipes & plates.

In case of bundles or other packages wherever marking cannot be stenciled, the same shall be embossed on metal or similar tag and wired securely at minimum two convenient points and both ends shall be protected / covered with gunny bags upto 18" (Eighteen Inches). In case of loose pipes, sticker of above markings should be pasted on inner wall corner of each pipe on both sides

Dispatch details such as consignor / consignee address, contract and case details, stacking instructions shall be written on one side of the boxes. One copy of packing slip wrapped in polyethylene bag covered with aluminum packing slip holder to be nailed on the external surface of the box. A packing list and preservation instructions shall be enclosed in a clear weatherproof plastic re-sealable envelope stapled to the box such that the receiver may determine contents without opening the container. An additional packing list is to be enclosed in a clear waterproof plastic re-sealable envelope stapled inside the container. Stapling of the envelopes shall not prevent removal of the documents.

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5.3 Shipping Marks

Each package shall be marked on three sides with proper paints / indelible waterproof ink as follows:

(OWNER)

PROJECT

WITH COMPLETE

ADDRESS

(DESTINATION)

PURCHASE ORDER NO. ----------

NET WEIGHT ---------- KGS. GROSS WEIGHT ---------- KGS.

DIMENSIONS ---------- X ---------- X ---------- CMS

PACKAGE NOS. (SL. NO. OF PACKAGE) OF (TOTAL NO. OF PACKAGES)

TAG / ITEM NO. ----------

SUPLLIER'S NAME----------

The details of the Owner / Project are defined specifically in the Purchase Order / Contract.

5.4 Storage Code

The type of storage required is required to be specified, on each packaging in RED colour as follows:

X	Crates or packages to be stored outdoor without covers
XX	Crates or packages to be stored under tarpaulin
XXX	Crates or packages to be stored in covered or enclosed premises
XXXX	Crates or packages which must be stored in air-conditioned premises

6. SHIPMENT

Dispatch of material shall be made in accordance with the relevant terms of Purchase Order. Name of the owner, Project, location and other relevant information shall be as per the relevant annexure(s) to the Purchase Order / Contract.

Any change in mode of transport shall be resorted to only after prior approval in writing from EIL / Owner. Supplier shall ensure dispatch of equipment / materials immediately

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after they are inspected and released. All consignments should be booked in the name of 'owner' and not under 'self' basis.

6.1 Dispatch By Road:

a) The Materials shall be dispatched on Door-Delivery basis (smalls or FTL) through a registered transporter.

However, in case, the transporter is nominated by EIL / Owner, the goods shall be dispatched through the same only.

b) The supplier shall ensure with Transport Company the delivery of materials within a reasonable and minimum transit period. A complete set of dispatch documents (Delivery Challan / Invoice / Packing List / Test Certificate / L.R. / E-way Bill number etc.) shall be sent to concerned officials of EIL / Client (as specified elsewhere in RFQ/PO).

6.2 Shipment By Air:

Whenever supplier is instructed by EIL/ Owner to airfreight any material, the supplier shall take prompt action for the same. Immediately after air-shipment is effected, the vendor shall intimate by e-mail, the details of Airway Bill number and date, the flight No., Number of packages etc. to concerned officials of EIL / Client (as specified elsewhere in RFQ/PO).

6.3 Destination:

The consignments should be dispatched to the Consignee / Address as detailed in the Purchase Order.

6.4 Advance Information:

Immediately after a shipment is made supplier shall intimate Underwriter, other concerned officials of EIL / Client (as specified elsewhere in RFQ/PO) vide mail regarding particulars of materials, value, Purchase Order No., date of dispatch, L.R. number, E-way Bill No., truck no., name of Transport Company.

6.5 Transmission of Dispatch Documents :

Supplier shall, within 48 hrs. of the dispatch of the materials depending upon the payment terms of the Purchase Order, either negotiate through Owner's / EIL's Bankers (as applicable) or forward directly, by Courier the complete set of dispatch Documents to Owner / EIL. as applicable in line with the PO terms & conditions. The supplier shall be responsible for any delay in clearance of the consignment at destination and consequent wharfage / demurrage, if any, due to delay in transmittal of the required documents.

7. TRANSIT RISK INSURANCE

All equipments / materials will be insured for transit risk by (Owners) unless otherwise specified. The insurance cover will be provided from warehouse-to-warehouse.

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विदेशी सामग्रियों के लिए पैकिंग, मार्किंग, शिपिंग और दस्तावेज विनिर्देश

PACKING, MARKING, SHIPPING AND DOCUMENTATION SPECIFICATIONS FOR IMPORTED MATERIALS

Himanshu Pal

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2	20-04-2024	ISSUED FOR COMPLIANCE	DDC	DRC	CGM (I) & HOD (Shpg)
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Abbreviations:

CM	-	Centimeters
DDP	-	Delivered Duty Paid
DGR	-	Dangerous Goods Regulation
EIL	-	Engineers India Limited
ETA	-	Estimated time of arrival at Destination Port
ETD	-	Estimated time of Departure at the Port of Loading
EXIM	-	Export Import Policy of India
FCA	-	Free Carrier
IATA	-	International Air Transport Association
IMDG	-	International Maritime Dangerous Goods
ISPM 15	-	International Standards of Phytosanitory Measures 15
Kg	-	Kilograms
mm	-	Millimetre
MSDS	-	Material Safety Data Sheet
MT	-	Metric Ton
NO. / NOS.	-	Number / Numbers
P.O.	-	Purchase Order
UN NO.	-	Unique Identification Number given for Hazardous Goods

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1. GENERAL

1.1 Purpose

This specification details the minimum requirements for the preservation, packing, marking, shipping and documentation of Products, materials and equipment as specified in the respective Purchase Orders or Contracts. This specification forms an integral part of the Purchase Order or Contract issued. However, whenever specific instructions are detailed in the Purchase Order / Purchase Requisition and are in conflict with this specification, particular instructions mentioned in the individual Purchase Order or Contract or Purchase Requisition shall prevail over this general specification.

1.2 Scope

Supplier shall be responsible for sea worthy export packing meeting the minimum requirement specified herein & capable of performing all necessary functions like prevention of damage to the contents, sufficient to support frequent handling and lengthy period of outdoor storage in adverse weather conditions. Workmanship and materials used shall be of high standard meeting the technical requirements and in accordance with best commercial export packing practices.
The scope of this specification is to define Supplier's responsibilities in terms of:

- Preservation of the materials and equipments before packing.
- Packing of the materials and equipments for road, rail, sea and/or air transportation to ultimate destination i.e. project site.
- Making cases/crates
- Chemical Treatment/Fumigation before packing to prevent fungus and damage
- Marking of cases/crates.
- Documentation for shipments

1.3 Responsibility and liability

Supplier shall be held responsible for any damages and/or losses of all and any kind that may occur by not respecting these specifications. Owner/EIL reserves the right to reject any packing when the packing does not conform to these specifications/instructions and/or when the packing does not ensure perfect protection of the goods and materials. Supplier is responsible for the weights and dimensions declared, and the marking of the packages. Supplier will be held responsible in the event goods and materials becoming useless, broken or damaged as a result of poor packing and/or stowing or due to corrosion, because of insufficient or inadequate protection. All direct and indirect costs resulting thereof will be back charged to Supplier.

1.4 Requirements and Conditions

The following requirements are intended as minimum requirements, and compliance to these requirements in no way absolves or relieves Supplier of any responsibility or obligation outlined in the Purchase Order / Purchase Requisition. In all circumstances, the packing will be designed and constructed in order to support materials during transportation as well as to prevent the materials from damage due to impact, extreme climatic conditions, sun and rain. It must be ensured that the materials and equipments are delivered to the job site by sea, road or air, in good condition.

The method of packing and packaging materials must be sufficient to protect the goods from the hazards associated with handling and storage conditions encountered in transit

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and at site. The method of marking packages must be sufficient to distinguish each package from others. The documentation prepared for shipments must be sufficient for use in international transportation and customs clearance procedures.

The Supplier shall, at its own cost, ensure items to be transported are carefully packed and protected in accordance with best practice, having due regard to the climatic conditions encountered during the passage, method of carriage and handling / loading / unloading processes. In addition to any of the measures detailed within this Specification, the Supplier shall apply any other measures that, in its experience, are required to safeguard the particular item. The Supplier shall obtain the approval of EIL/Owner for any variation to the packing, marking and shipping requirements outlined in this Specification and PO/PR as applicable.

2. CLEANING AND PRESERVATION

2.1 Cleaning

All equipment, materials and parts shall be thoroughly cleaned inside & outside and shall be free from grease, oil, weld spatter, rust and all other foreign matter prior to preservation.

2.2 Preservation

Articles may be exposed to severe environmental or climatic conditions, moisture and dust. All materials and equipment shall be packaged suitable to prevent damage and deterioration during transportation and storage. Where damage occurs due to inadequate packaging of items, the liability for costs associated with rectification of the damage will be to the Supplier's account. All metals subject to corrosion shall be treated with a corrosion preservative suitable for the purpose intended. Products susceptible to corrosion must be packaged in a dry non-corrosive environment for the duration of shipment and storage, for a minimum of 1 year or any other higher duration specified in the PO/PR. All bright and machined parts shall be coated with a recognized rust preventative suited to the particular application concerned. All internal parts of machinery shall be treated with lubricant containing rust and oxidation inhibitors to protect equipment from any possible damage. Such lubricants shall be compatible with those which will subsequently be used in service and shall be identified by appropriate tagging. Electrical equipment and instrumentation shall be packed with a suitable desiccant. Delicate equipment such as instruments, electrical switchboards and panels etc. shall be packed for protection to eliminate the effects of vibration.

Wherever necessary, desiccant packs shall be kept to avoid excessive moisture in the packing.

3. PACKING

3.1 General

The instructions herein shall be considered as general directives and minimal requirements, which are applicable to the packing of all equipment and materials. The Supplier is responsible for the correct and adequate packing of the equipment and materials so that these equipment and materials will arrive at destination undamaged and the packing itself in such a condition that, if not otherwise required, it will be suitable for a minimum of 1 year storage.

3.2 Packaging Materials

All packaging together with packaging and protective materials shall be new, maintain its integrity and perform its intended function while being transported, handled and stored.

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The quality of packing shall provide maximum protection against damage, breakage and pilferage during transport, storage and multiple handling, including handling by hoisting, lifting devices and / or forklift trucks. Material used for packaging, packing, wrapping, sealers, moisture resistant barriers and corrosion preservatives shall be of recognized brands & grades and shall conform to the best world standards.

Timber material shall be treated / fumigated to prevent infestation by insects or similar, for all material in accordance with ISPM 15. ISPM 15 describes phytosanitary measures to reduce the risk of introduction and/or spread of quarantine pests associated with solid timber packaging material (includes dunnage). Any packing made of wood, must be made from new treated wood (according to ISPM 15 IPPC, latest version). Used cases, crates and cardboard packing are not allowed. Packaged Products showing any damage, defect or shortage resulting from improper & inadequate packaging, packaging materials or packing procedure or having concealed damage or being short at the time of unpacking shall be subject to rejection and be replaced at the Supplier's cost

3.3 Packing requirements

3.3.1 Wood treatment

All solid wood, used for packing (including wooden pallets) and/or stowage should be treated (heat treatment or fumigation) according to the international standard ISPM 15 (IPPC), latest version. Use of untreated wood is not acceptable. Phytosanitary Certificate, Fumigation or treatment certificates have to be issued by the official government authorities and must accompany the original set of shipping documents.

3.3.2 Wooden Boxes and Crates

Interior support board shall be of strength to withstand stevedore handling. Tops of crates shall be one piece wherever possible to avoid seepage through cracks; otherwise a top coating is required. Waterproof lining shall be used for sides, ends and top of crates, proper venting of cargo boxes containing machinery is required, as well as sufficient use of desiccants. Crates shall be diagonally braced on all faces and suitable for hooks, slings and forklifts. Heavy items shall be secured with wood braces. Fragile items shall be cushioned. Material packed in large boxes shall be layered between plywood sheets to maintain load integrity during transit. Banding shall be used on all boxes to prevent distortion / deformation of the box.

3.3.3 Pallets

When equipment and/or materials are packed on pallets (wood or synthetic), these should be solid double deck pallets that provide adequate load support during transportation and storage (under not always ideal conditions). The pallets should have a dynamic load capacity, enough to carry the mass loaded on the pallet. Where feasible, the top surface of the pallet must be flat. The pallet design must enable safe handling by forklift, cranes etc. and storage on rough surface. Pallets shall be covered with wrapping. All corners, horizontal and vertical shall be protected with cardboard protection strips. The pallet must be tide on all sides with steel or synthetic straps.

3.4 Packaging

All equipment and materials shall be properly fixed (by bolts, clamps, supporting beams, etc.) in such a way that internal movements and / or loosening is impossible. Under the

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top cover –(roof) depending on the case and crate length, sufficient number of strong beams shall be placed and properly fixed in order to allow stacking of the cases and crates avoiding any compression. Equipment parts and materials which may be subject to damage by vibration and/or shock must be protected using shock-absorbing material. All equipment and materials which may be damaged by moisture shall be packed in airtight bags in which sufficient desiccant material (e.g. silica gel) is placed. All openings on the equipment must be closed with wooden / metal or plastic covers to prevent damage to the openings and interiors. Fragile and loose parts easily damageable pertaining to the equipment must be securely and properly packed in a separate case.

3.5 Waterproofing

Cases including the cover shall be internally lined with a strong type of waterproof paper or plastic foil. Equipment and materials shall always be packed in a foil (polyethylene or aluminum) for extra (double) protection against rainfall. These foils shall be applied in such a way that they are self draining.

3.6 HAZARDOUS CARGO

All hazardous material must be packed in adherence to the packing, marking and labeling requirements as required by the appropriate Government and International Transportation regulations.

Hazardous materials shall be suitably packaged, packed separately from other materials and shall not be encased inside other packaging containers. All packages shall be marked and labeled with markings and labels as stipulated by Road Transport, and the Dangerous Goods Regulations (DGR), laid down by the International Air Transport Association (IATA) for airfreight and Sea freight IMDG Codes and Regulations in accordance with government and agency requirements. Regulations and Codes as defined by the International Maritime Organization (IMO) together with Government and Regulatory Agencies within the country of origin, country of destination or country that the products shall transit through shall be adhered to at all times. All crates / boxes / drums / packages containing Hazardous material shall be marked clearly on the outside with the relevant international details (UN No, IMCO / IMDG class, Packing group etc.) and the relevant Material Safety Data Sheets (MSDS) must accompany the goods. The Supplier shall produce any necessary hazardous cargo certificates, as required by the appropriate/concerned Government and International Transportation regulations, for all such shipments.

Seller to inform Buyer on the following in details after shipment of Cargo:

- Hazard Identification
- Fire Fighting Measures
- Accidental Release Measures
- Handling & Storage

4. GUIDELINES FOR PACKING GOODS

In the subsequent paragraphs, details of different types of packing for different types of goods are defined. Supplier shall make packing details/procedure based on the guidelines

Chemicals in powder form, catalysts, refractories & like materials etc. shall be packed in drums only.

4.1 Pipe

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All pipes 2" included and below shall be packed in crates. Pipes over 2" up to 6", shall be bundled and banded in bundles of uniform length. Bundling is carried out with U-IRON or traversal planks, joined with threaded connecting rods with locknuts.. Bundle weight shall not exceed 2,000 kg. All pipes are to be capped and ends sealed with waterproof tape (tape is not necessary if end caps are of the pre-shrunk or self-sealing type).Pipes larger than 6" shall be shipped as single lengths with the ends capped. End caps are to be of the recessed type to enable the use of soft faced hooks, but still completely sealing the end and also protecting the weld. All stainless steel / non-ferrous piping must be packed separately in wooden crates. Any banding of bundles is to be with the same material. The bundling and packing of pipe and instrument tubing shall enable the safe discharge of pipe on site using clamps and forklifts. All pipes shall be supported along their lengths to prevent bending/flexing during transport. During loading/unloading slings shall be applied to the center of the load as well as on each end to prevent bowing.

Pipe and rigid conduit smaller than DN50 diameter shall be bundled in units not to exceed 1000kg.Threaded and coupled pipe shall be equipped with plastic thread protectors. All material shall be segregated and shipped by generic material type to prevent cross contamination. Where wire rope or chains are used, adequate padding shall be used at points of contact with pipe. Care must be taken to prevent any chafing of pipes against each other or against the metal structures of the vehicle during transportation. Where necessary, such metal structures must be padded with planks or plastic tubes. Skids and dunnage must be used between the bundles in transit as well as in the storage of coated pipes.

4.2 Pipe Fittings, Flanges, Valves and Gaskets

All pipe fittings, flanges and valves up to 6", are to be packed in cases/crates. For items over 6", these may be fixed securely to a pallet base and enclosed in a crate, for protection. All flange faces / bevel ends shall be suitably protected with plastic caps / end protectors. Where valves have actuators attached, rigidity must be ensured for the valve and actuator. The vulnerable parts of the actuator are to be completely protected within a wooden crate. Empty spaces shall be filled with expanded PU foam to restrict movement in the crate. All stainless steel fittings, flanges and valves of all sizes, must be packed separately in wooden crates. Any strapping is to be with the same material. Gaskets are considered fragile and shall be treated as such. Individual gasket sizes shall be boxed and labeled separately. All threaded fittings and pipes should be greased and provided with plastic caps.

4.3 Steel Structure and Plates

Structural steel sections and plates shall be strapped in bundles of convenient size and weight for handling. Rolled and shaped plates shall be provided with suitable bracing to eliminate distortion during transit, and shall be bundled in uniform lengths. Each bundle shall be marked with a metal tag, hard stamped, secured under steel wrapping

4.4 Itemized Equipment

Units or parts belonging to main equipment but separately packed shall be clearly marked for easy identification with the main equipment to which they relate.

All gasket face of flanges, machined working surfaces and threaded parts of all equipment shall be covered with rust preventive tape or by application of oil based alkyd primers or zinc bases epoxies or thin zinc silicate coatings specially formulated for the preservation of CS and Alloy Steels. All flanged connections of vessels shall be protected by metal plates correctly casketed by wooden plugs or plastic caps suitably secured in position.

Vessels shall, where possible, be packed on skid constructions and secured with adjustable steel straps. Manholes and other major openings shall be protected with

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cover flanges or metallic plates firmly secured. Smaller openings shall be closed with plastic plugs / caps.

All vessel internals and items not installed by Supplier at works including accessories such as small parts, bolts, nuts, gaskets, etc. shall be packed in wooden cases separately for each vessel or apparatus and marked with the same item number as the vessel/apparatus in order to protect all parts from loss or damage in transit. Internals, bolts and gaskets for service/ testing operations shall be supplied with the vessels/ items by Supplier. All internals should be boxed separately and marked according to marking procedure; each item shall be supplied correctly and identified for field installation by others.

All vessels / heat exchangers or items of such construction shall be dried, thoroughly cleaned inside and be free of all dirt and loose foreign materials. The equipment shall be filled with Nitrogen. Make up arrangement for loss of Nitrogen along with a pressure gauge shall be installed.

Accessories for apparatus and vessels (small parts, bolts, nuts, washers, gaskets, etc.) are to be packed in wooden cases, separately for each apparatus or vessel. These cases must be marked with the same item number as the apparatus / vessel to which they belong. All commissioning spare parts to be packed separately, shall be marked with the relevant main item.

Pumps, compressors, rotating equipment, turbines and motors will require specific packing and preservation as per the relevant Technical Specification. For skidded equipment openings, flange faces, threaded connections, wires, valve stems, and other component parts that may be subjected to mechanical damage or corrosion shall be adequately protected. This protection shall be applied to all components, both those removed and boxed and those remaining in place on the skid assembly Each skid shall have one box strapped to it containing a complete set of drawings together with a manual covering installation and operating instructions and other pertinent instructions required for reassembly of components that were disassembled for shipment.

4.5 Control Panels and Electrical Devices

Equipment such as control panels, instruments and electrical devices shall be packed in an interior moisture/vapor-proof barrier with a silica gel or comparable desiccant. Desiccants shall be bagged to avoid dispersing in containers. The quantity of desiccant shall be calculated in accordance with the manufacturer's recommendations. Equipment must be secured to the case with bolts, blocks or straps. Adequate precautions (for example, shaft locks to prevent longitudinal / rotational movement of rotor shafts in motors) shall be included in the packaging of all equipment which has plain, ball or roller bearings so as to minimize the risk of bearing damage.

4.6 Instruments

Instruments shall be thoroughly clean, dry and free from rust and shall be individually wrapped using polythene sheets/U foam/ thermocol sheets depending upon the items and then packed in wooden boxes. The left out spaces and top of the boxes should be filled with rubberized coir to get proper cushioning effect. Special attention shall be paid for arresting movements of their operating mechanism during transportation. Silica gel or other approved desiccant shall be strapped inside but shall not come into contact with the paintwork.

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4.7 Cables

All electric cables to be packed in new cable drums made of steel and painted with epoxy resin paint. Cable ends to be carefully protected before packing. Over the cables polythene sheet should be wrapped and sealed properly. Cable drum can be put in wooden crates for ease in handling and transportation.

4.8 Saddles, Supports, Spiders and Lifting Equipment

All items which cannot be transported without independent supports must be supplied with Shipping saddles suitable for land and ocean transit. Such transport saddles are to be included within the scope of supply. Supplier is to advise of any requirement for lifting beams or other specialized lifting equipment and will include provision for use of such equipment for loading purposes. The *Supplier* is responsible for ensuring that all modules and oversize items are adequately braced and where required, plastic wrapped suitable for transport. Modules and oversize items shall be packaged to prevent damage during transport.

4.9 Assortment Of Package/ Spare Parts for Erection and Commissioning

Equipment and /or parts of different item numbers shall not be packed together in the same package. Small goods such as accessories, spare parts for erection and commissioning and special tools shall be packed separately in respective inner boxes with tags or labels attached there being clearly indicating their contents. In case that such accessories, spare parts and special tools is packed in separate boxes/ crates, item no. of main equipment shall be clearly mentioned in Main Shipping Mark for easy identification.

4.10 Containerization

As required the Supplier shall stuff the goods into 20 or 40 foot container (dry, open top, flat rack etc). Supplier to check the size of container before starting packing of equipment.

4.11 Protection of Cases/Crates

Since shipping containers are in general not water tight, packing in contact with the floor of the container shall be raised in order to prevent it from being damaged by accumulation of water.

It is responsibility of the Supplier to ensure that the cases/crates are stowed, secured and fastened inside the container. The Supplier shall take all the necessary precautions to conform to maximum weight allowed and centre of gravity of the container. The securing and fastening of the crates/cases can be carried out by nailing timbers on the bottom or on the vertical sides of the container.

4.12 Air Transport Packing

Air freight of goods and materials will be exceptional and shall be used only for goods and materials urgently required at site & which are highly sensitive to shock or vibrations such as instruments or those of small dimensions and weight.

In all instances the packaging of materials and equipment to be transported by air shall be in accordance with International Air Transport Authority (IATA) regulations. Type of packing depends on the goods to be packed and Supplier may use one of the following types:

- Triple-corrugated container

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- Wooden/cardboard packing cases
- Plywood cases

5. Marking

5.1 General

The purpose of the marking is to identify the packages and detail the weight and dimensions to assure efficient and correct handling during transport and upon arrival at destination.

5.2 Marking Instructions & despatch details

Packages and crates will be marked with indelible black paint, resistant to seawater. Marking must be perfectly legible. All packages shall be clearly and properly marked in English language if not otherwise specified

The shipping marks, which will be shall be stenciled on two sides and one end in clear characters at least 5 centimeters high (where crate size permits, otherwise use optimum size for each package dimension).

The texts shall be printed by means of stamps, stencil-plates or electronically. The use of stickers is not allowed, unless securely covered by plastic. Bundles shall be marked by embossing on two metal tags bearing the shipping marks and placed on each side of the package and securely attaching them to the goods. Paint shall be used on metal surfaces.

Labels or tags to be clearly visible and shall be of a quality to remain visible and attached during transit, handling and storage for a minimum period of 12 Months or any other higher period if specifically defined in the PO/PR.

When the goods are to be shipped in containers then marking may be stenciled on one end only. However, packages must be stowed in a manner that shows these marks.

Crates containing fragile articles must be packed with special precaution against risk of breakage and must be stenciled on all sides "FRAGILE - HANDLE WITH CARE". Where crates are not to be overturned, Supplier must show on the crates, clear and readily visible identification, to ensure they are kept in the correct position.

Packages/equipment of 2,000 kg or more must be marked with slinging points on all sides, in addition to the centre of gravity marks.

Packages should be marked consecutively i.e. 1 of 10, 2 of 10, etc. Do not duplicate package numbers. SUPPLIER is responsible for any loss or damage caused by incorrect marking.

All cases/crates shall also be marked with the appropriate international standard graphic symbols for handling.

As a minimum, all cases/crates are to be marked clearly on all four sides with:

"HANDLE WITH CARE" "RIGHT SIDE UP" "KEEP DRY"

In the case of packages with a single gross weight totaling 2,000 kg and/or a height of more than 1m, the centre of gravity shall be clearly marked with the symbol on two adjoining sides. For all items of equipment with an eccentric centre of gravity this symbol shall be marked at the bottom, side and top of the package.

The slinging and lashing points shall be marked with a chain symbol.

When packing in cases/crates, these packages shall also have metal corners at the slinging points.

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External front and rear sides of the boxes shall be planed for writing instructions. To facilitate identification, the required colour coding as per the specifications shall be carried out on each package and on corners of pipes & plates.

Dispatch details such as consigner/consignee address, contract/PO and case details, country of origin, port of delivery, stacking instructions shall be written on one side of the boxes. One copy of packing slip wrapped in polyethylene bag covered with aluminum packing slip holder to be nailed on the external surface of the box. A packing list and preservation instructions shall be enclosed in a clear weatherproof plastic re-sealable envelope stapled to the box such that the receiver may determine contents without opening the container. An additional packing list is to be enclosed in a clear waterproof plastic re-sealable envelope stapled inside the container. Stapling of the envelopes shall not prevent removal of the documents.

5.3 Shipping Marks

Each shipping unit (package) shall be marked as shown below using letters of at least 50 mm in height. Markings shall be shown on the top and two (2) adjacent sides of each shipping unit/package and shall be of waterproof ink or exterior grade, waterproof paint in a colour which produces high contrast with the background. Packages in any one consignment shall be numbered consecutively and in sequence commencing with the number one (1).

(OWNER)

PROJECT

WITH COMPLETE

ADDRESS

VIA (PORT) INDIA

PURCHASE ORDER NO. ----------

NET WEIGHT ---------- KGS. GROSS WEIGHT ---------- KGS.

DIMENSIONS ---------- X ---------- X ---------- CMS

PACKAGE NOS. (SL. NO. OF PACKAGE) OF (TOTAL NO. OF PACKAGES)

TAG / ITEM NO. ----------

COUNTRY OF ORIGIN----------

SHIPPER'S NAME----------

The details of the Owner / Project are defined specifically in the Purchase Order / Contract.

5.4 Cautionary Symbols

In order to facilitate loading unloading and handling of cargo, Supplier shall stencil the necessary Cautionary Symbols on the proper place at two (2) opposite ends of the package. Symbols for special handling are illustrated below. These symbols must be used whenever appropriate.

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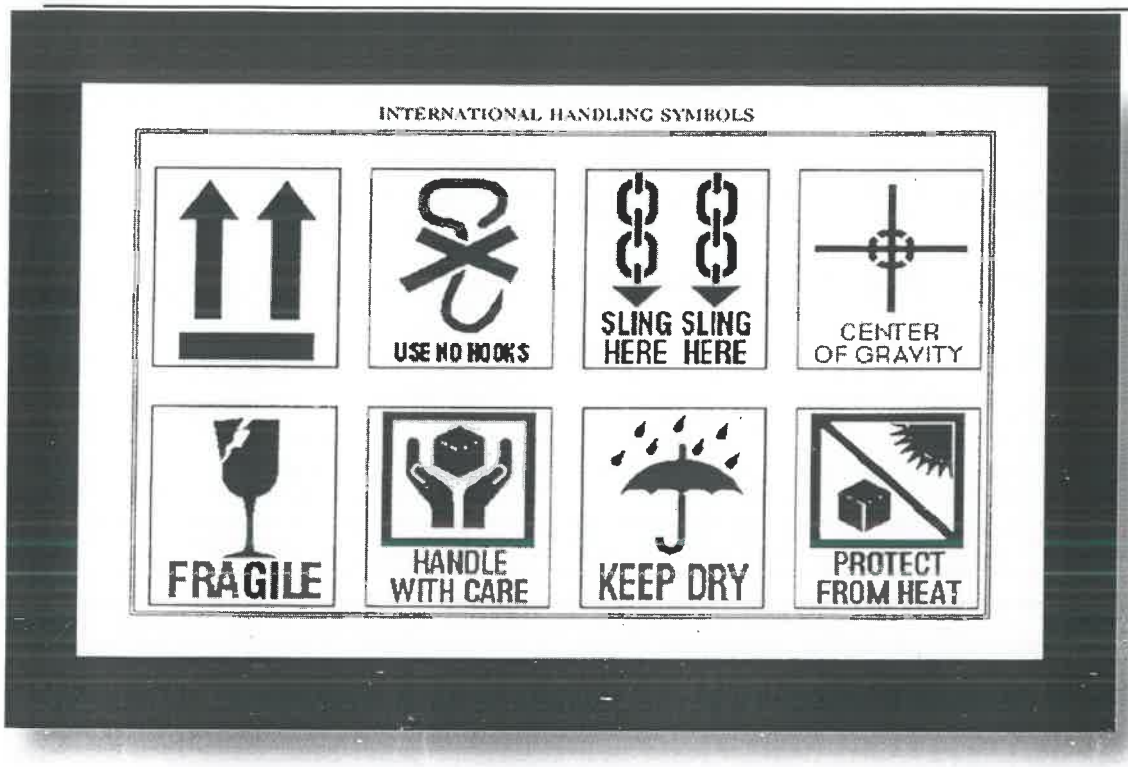

Symbols will be applied with exterior grade paint or waterproof ink in a colour that produces a High contrast with the surrounding background. Easily damaged material shall be Marked "FRAGILE" and also when required, "HANDLE WITHCARE", "COOL STORAGE", and / or "USE NO HOOKS". Material that must be kept upright to prevent damage, such as machinery, motors, etc., will be marked "THIS WAY UP" and if appropriate "TOP HEAVY", with arrows on all sides of box pointing to top. When required, due to length or unbalanced weight, crates or boxes will have a centre of gravity indicated by the relevant symbol and the words "CENTER OF GRAVITY" will appear in letters at least 24mm (1.0 inch) high, adjacent to stripes. Proper placement of the "SLING HERE" symbol will better insure correct use of lifting gear. Special marks, such as "FRAGILE", "KEEP DRY" or positional "DIRECTION ARROWS" shall be in RED.

5.5 Storage Code

The type of storage required is required to be specified, it will be shown on each packaging in RED colour

X	Crates or packages to be stored outdoor without covers
XX	Crates or packages to be stored under tarpaulin
XXX	Crates or packages to be stored in covered or enclosed premises
XXXX	Crates or packages which must be stored in air-conditioned premises

6. Shipment:

6.1 By Sea:

For C & F / CIF Contracts

All shipment of Break bulk material and containerized cargo shall be made by suitable vessels certified for sea worthiness and complying with National / International safety

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regulations .No Trans-shipment is permitted for Break Bulk Cargo. All shipments shall be under-deck unless carriage on deck is unavoidable / permitted by consignee.

6.2 By Air:

Wherever the shipments are to be effected by Air (in case of FCA shipments), the same shall be dispatched through Consolidation Service Agent to be nominated by Owner/EIL.

6.3 Shipping Terms :

All shipping terms will be interpreted in accordance with INCOTERMS 2020 and all subsequent amendments/revisions.

7. Documentation

7.1 All documents shall be in English Language.

7.2 Documents Required Before Shipment

7.2.1 The required Cargo Details (Preliminary) shall be provided by the supplier within the period defined in the P.O. Final Packing List with weight / dimension of individual package shall be provided to EIL/Client at least four weeks before the contractual / actual date delivery at Port of loading.

Transport and lifting arrangement drawings are to be supplied for all Over –Weight and Over-Dimensioned packages as mentioned below or where shipping saddles are being provided. Such drawings must show clearly full dimensions, weights, centre of gravity, lifting and securing points and saddle locations.

7.2.2 The sketches of Over Dimensioned Cargo shall be mailed as follows :

EIL New Delhi - Head Shipping

EIL Port Office at Discharge Port - In-Charge (Shipping)

The Over Dimensioned Cargo shall mean any package exceeding any of the following limits.

Weight -	18 MT
Length -	12 Meters
Width -	03 Meters
Height -	03 Meters

7.3 Documents Required After Shipment

7.3.1 The supplier shall forward copies of the shipping documents as defined in the PO by Email including the following :

1. Commercial Invoice
2. Bill of Lading / Airway Bill
3. Packing List
4. Certificate of Origin (issued by Chamber of Commerce of the country of origin)
5. Inspection Release Note

Shipping Documents should be forwarded to the officials at EIL /Owner defined in the PO including the following:

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a) Project Manager at EIL New Delhi

b) Head (Shipping) at EIL New Delhi

c) In-Charge (Shipping) at EIL Port Office (Port of Discharge)

d) Owner of the Project

In addition to above, complete set of original documents are required to be sent to (OWNER) / Paying Authority through Bank in terms of 'Letter of Credit'.
The supplier shall be fully responsible for any delay and / or demurrage that may become payable at destination Port on account of delay in transmittal of shipping documents as detailed in the Purchase Order.

7.3.2 In case of air shipments one set of non-negotiable documents consisting of Commercial Invoice (ink signed), Packing List, Certificate of Origin, Technical Literature shall be handed over to Freight Forwarder/Airlines with the instructions that the same should be handed over along with cargo arrival notice and copy of Airway Bill to Destination Airport Notify Party.

7.4 BILL OF LADING :

Bill of lading must be 'clean', must be endorsed "shipped on board" and must show details of gross weight and cubic measurement. If shipment is being arranged by the supplier it must also be endorsed "freight prepaid". Bill of Lading shall be made in favor of (OWNER) /Engineers India Limited/or order of bank (and **not order of the shipper**) , as applicable as per the provisions of the PO and the notify column should indicate Engineers India Ltd. (PORT OFFICE).

7.5 COMMERCIAL INVOICE:

Commercial Invoice shall inter alia, indicate (i) PO No. & Date, (ii) Unit prices, (iii) Total Value, (iv) Full description of goods in conformity with the description of goods given in Purchase Order, (v) Inco Terms, (vi) Payment Terms, (vii) Import License No. (viii) Country of Origin (ix) HSN Code (Harmonized System of Nomenclature), (x) GSTIN No of Consignee.

Invoice value shall be for the materials actually shipped. Billing breakup if required for partial shipment shall be freezed and provided before shipment of the first lot of cargo.

In case of CHEMICALS / HAZARDOUS cargo FLASH-POINT should be indicated in all documents and a separate certificate giving composition and flash-point shall be sent.

7.6 PACKING LIST :

Packing lists shall show (i) PO No.(ii) Details of contents of each case including PO line Item number, Tag Number (Including sub-items and description); (iii) Number of packages by type and total number of packages (i.e. package 1 of 5, 2 of 5 and so on);(iv) Gross and net weight per package (including quantity of items per package);(v) Dimensions and cubic measurements per package in metric units
(length, width and height); (vi) Cubic measurements and total gross and net weights of the entire shipment.

Where containers are used, a separate packing list must be produced for each Container. In case of pipes & plates in bundles, no. of pipes / plates with individual length in each bundle must be indicated.

8. SHIPPING ADVICE :

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8.1 Within 24 hours of shipment, the supplier shall send shipping advice by e-mail to officials provided in the PO including the:

1) Project Manager at EIL, New Delhi
2) Head-Shipping at EIL, New Delhi
3) EIL-Port office
4) Owner
5) Insurance Company as detailed in the Purchase Order

Giving particulars of the shipment, vessel's name / Airlines, Flight & Date on which material actually left (and not tentative flight No. and Date), Port of shipment, Bill of Lading / Airway Bill Number & Date, contents in brief, Purchase Order Number, total Invoice and Freight Values, Number of Packages and total gross weight, ETD & ETA of vessel. In case of Air shipment through consolidation services information must contain both Master Airway / House airway Bill Number.

8.2 In case of free replacement / supply of components / parts, the supplier shall intimate by e-mail above dispatch particulars along with specific statement '**Free Supply**' and **Value for customs purposes only**' and particulars of original shipment i.e., vessel name, Bill of Lading Number and date, Invoice Number etc. and send documents to EIL (Port Office, to be obtained separately from EIL) with Invoice bearing this statement.

9. TRANSIT RISK INSURANCE

All equipments / materials shall be insured against all marine and transit risks on warehouse to warehouse basis by owner and the necessary dispatch intimation shall be sent to the underwriters of Owner (as detailed in the Purchase Order) by Supplier. However, the Supplier shall ensure that in effecting shipments clean Bill of Lading is obtained and the carrier's responsibility is fully retained on the carrier so that consignee's interest are fully safeguarded and are in no way jeopardized.

10. SHORT SHIPMENTS

Supplier should thoroughly check all the items packed before shipment. If any item(s) are found short-packed in sound boxes on examination at project site by EIL, supplier shall be responsible to supply short-packed items free of charge (on Delivery Duty Paid at site basis), on receipt of advice from EIL.

11. Seller shall advise freight forwarder to indicate on the Invoice, Packing List & Bill of lading / Airway bill that the subject import into India is as per the provision of EXIM Policy prevalent in India.

12. Other Services to be provided by Supplier

In addition to packing and shipping documentation Supplier must carry out loading including lifting, securing, lashing and stowing of all cases, crates and packages onto means of transportation such as but not limited to trailers, containers etc.

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General Purchase Conditions **Date: 10.11.2025**

The following conditions shall be applicable for all Non Hydrocarbon procurement unless specifically mentioned in the Special Purchase Conditions.

I N D E X

1. DEFINITIONS
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5. PRICE
6. TAXES AND DUTIES
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31. REJECTION, REMOVAL OF REJECTED GOODS AND REPLACEMENT
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42. ORDER OF PRECEDENCE FOR PURCHASES
43. TERMINATION FOR CONVENIENCE
44. BUILDING AND OTHER CONSTRUCTION WORKERS CESS

GENERAL PURCHASE CONDITIONS

1. DEFINITIONS:

The following expressions used in these terms and conditions and in the purchase order shall have the meaning indicated against each of these:

1.1. **OWNER:** Owner means Bharat Petroleum Corporation Limited (a Government of India enterprise), a Company incorporated in India having its registered office at Bharat Bhavan, 4 & 6 Currimbhoy Road, Ballard Estate, Mumbai 400038 and shall include its successors and assigns (hereafter called BPCL as a short form).

1.2. **VENDOR:** Vendor means the person, firm or the Company/ Corporation to whom this Request for quotation (RFQ)/purchase order is issued and shall include its successors and assigns.

1.3. **INSPECTOR:** Person/ agency deputed by BPCL for carrying out inspection, checking/testing of items ordered and for certifying the items conforming to the purchase order specifications..

1.4. **GOODS/ MATERIALS:** means any of the articles, materials, machinery, equipments, supplies, drawing, data and other property and all services including but not limited to design, delivery, installation, inspection, testing and commissioning specified or required to complete the order.

1.5. **SITE/ LOCATION:** means any Site where BHARAT PETROLEUM CORPORATION LIMITED desires to receive materials any where in India as mentioned in RFQ.

1.6. **"RATE CONTRACT"** means the agreement for supply of goods/ materials between Owner and Vendor, for a fixed period of time (i.e till validity of Rate Contract, with no commitment of contractual quantity) on mutually agreed terms and conditions. The actual supply of goods/ materials shall take place only on issue of separate purchase orders for required quantity as and when required by Owner.

2. REFERENCE FOR DOCUMENTATION:

2.1. The number and date of Collective Request for Quotation (CRFQ) must appear on all correspondence before finalization of Rate Contract / Purchase Order.

2.2. After finalization of Contract / Purchase Order: The number and date of Rate Contract/ Purchase Order must appear on all correspondence, drawings, invoices, dispatch advices, (including shipping documents if applicable) packing list and on any documents or papers connected with this order.

2.3. In the case of imports, the relevant particulars of the import Licence shall be duly indicated in the invoice and shipping documents as well as on the packages or consignments.

3. RIGHT OF OWNER TO ACCEPT OR REJECT TENDER:

The right to accept the tender will rest with the Owner.

4. LANGUAGE:

The Bid and all supporting documentation and all correspondence whatsoever exchanged by Vendor and Owner, shall be in English language only. In case any of the supporting documents (either technical or financial) are not in English language, then the English translation copy of the same shall also be furnished duly certified, stamped and signed by local Chamber of Commerce of bidder's country or Indian embassy in bidder's country or their embassy in India.

5. PRICE:

Unless otherwise agreed to the terms of the RFQ, price shall be:

Firm and no escalation will be entertained on any ground, except on the ground of statutory levies applicable on the tendered items.

6. TAXES AND DUTIES:

All vendors shall have GST registration in the concerned State as applicable and vendor shall quote their GSTIN number in the quotation wherever required.

6.1 GST:

6.1.1. GST extra as applicable at the time of delivery within scheduled delivery period will be payable by BPCL against documentary evidence. Vendor shall mention in their offer, the percentage of GST applicable at present. Any upward variation in GST rates, beyond the contractual delivery period, shall be to vendor's account.

6.1.2. In case GST is not applicable at present: In case GST gets levied due to change in turnover of Vendor/Supplier, shall be borne by the vendor/supplier. If GST becomes applicable due to change in the law in future, the same will be borne by vendor subject to 6.1.1. In case of change in stand of vendor/supplier about applicable rate of GST towards higher side, the same will not be payable.

6.1.3. Owner shall take Input Tax Credit of the GST paid on the material supplied for both GST and cess component as applicable and accordingly GST / Cess should be quoted separately wherever applicable.

Vendor shall ask the transporter of the goods to hand over the copy of GST invoice (transporter's copy) at the time of delivery of goods at owner's site.

6.1.4 The vendor shall take steps viz. mention relevant GSTIN of BPCL in GST invoices and returns, uploading invoice in GSTR 1, payment of the tax liability on the said invoices and filing of Returns etc. and comply with all the requirements of applicable laws including GST laws for the time being in force to enable the OWNER to avail tax credit/s including input tax credit.

Deferment of GST Amounts shall be done for those vendors who have got instances of open mismatches due to non-compliance. Open mismatches refer to cases whereby OWNER could not claim the GST Input Tax Credit in the month of payment of invoice due to non-compliance/ delayed compliance by the VENDOR. Accordingly, Over and above any payment term mentioned in the tender including that mentioned in the GPC/GCC, payment to VENDOR by OWNER for the basic amount (i.e. amount excluding GST) shall be made as mentioned in GPC/GCC or as mentioned anywhere else in the tender as applicable. However, GST amount of the Invoices shall be paid only after the amount gets reflected in the return (GSTR-1 Return of outward supplies/GSTR- 3B) submitted by the vendor on GSTIN portal (GSTR 2B of OWNER) to the satisfaction of OWNER. Till such time GST amount with correct details is reflected in GSTIN portal to satisfaction of OWNER, amount shall be withheld by OWNER.

Over and above, VENDOR is also required to issue e-invoice if the same is applicable to the OWNER. In absence of GST e-invoice, any loss of Input Tax Credit to the OWNER shall be indemnified by the VENDOR.

Deferment of GST amounts to the vendors are subject to compliance of any applicable Act.

6.1.5 In case of vendors for whom deferment of GST amounts were not done, Any loss or non-availability of input tax credit by the OWNER due to non- compliance of applicable tax law including but not limited to GST laws in force or otherwise, on the part of VENDOR, an amount equivalent to any tax liability accruing to the OWNER and/or to the extent of any loss accrued to the OWNER due to the non-availability of input tax credit or any liability accrued to the OWNER shall either stand cancelled or deducted from the payment due to the VENDOR or shall be reimbursed by the VENDOR as the case may be till such default is either rectified or made good by the VENDOR and the OWNER is satisfied that it is in a position to claim valid input tax credit within the timelines as per applicable laws.

6.1.6 Any cost, liability, dues, penalty, fees, interest as the case may be which accrues to the OWNER at any point of time on account of non-compliance of applicable tax laws or rules or regulations thereof or otherwise due to default on the part of VENDOR shall be borne by the VENDOR. An amount equivalent to such cost, liability, dues, penalty, fees, and interest as the case may be shall be reimbursed by the VENDOR within 30 days. Any GST as may be applicable on such recovery of amount shall also be borne by VENDOR and same shall be collected by the OWNER.

6.2 FREIGHT:

6.2.1 Freight: Firm freight charges to be quoted as indicated in the Tender documents. Freight shall be payable after receipt of the Material(s) at the site, unless otherwise specified.

6.3. NEW STATUTORY LEVIES: All new statutory levies leviable on sale of finished goods to owner, if applicable are payable extra by BPCL against documentary proof, within the contractual delivery period.

6.4 VARIATION IN TAXES/ DUTIES: Any increase/decrease in all the above mentioned statutory levies on the date of delivery during the scheduled delivery period on finished materials will be on BPCL's account. Any upward variation in statutory levies after contractual delivery date shall be to vendor's account.

6.5 INCOME TAX (WITHHOLDING TAX): In the case of availment of services from Non Resident Vendors who are claiming benefits offered under the Double Taxation Avoidance Agreements signed by India with the Government of the other country (i.e. the country of the Vendor), such Non Resident Vendors are required to provide the Tax Residency Certificates at the time of submission of Bid documents. The Tax Residency Certificates shall contain the following details:

a) Name of Vendor (assessee);
b) Status (Individual, Company, firm etc.) of assessee;
c) Nationality (in case of individual);
d) Country or specified territory of incorporation or registration (in case of others);
e) Assessee's tax identification number in the country or specified territory of residence or in case no such number, then, a unique number on the basis of which the person is identified by the Government of the country or the specified territory;
f) Residential status for the purpose of tax;
g) Period for which the certificate is applicable; and
h) Address of the applicant for the period for which the certificate is applicable.

The Tax Residency Certificate shall be duly verified by the Government of the Country or the specified territory of the assessee of which the assessee claims to be a resident for the purposes of tax.

7. INSPECTION:

7.1. Materials shall be inspected by BPCL approved third party inspection agency if applicable before dispatch of materials. However, arranging and providing inspection facilities is entirely vendor's responsibility and in no way shall affect the delivery schedule.

7.2 Scope of Inspection shall be as per RFQ or as specified in the Special Purchase Conditions.
Materials shall be inspected as per scope of inspection by TPIAs which are registered under "NABCB accredited bodies as per requirement of ISO/IEC 17020 as Type A" in QCI's NABCB website as on the date of Inspection of Goods. The link is as below:
http://nabcb.qci.org.in/accreditation/reg_bod_inspection_bodies.php

7.3. Unless otherwise specified, the inspection shall be carried out as per the relevant standards/ scope of inspection provided along with the Tender Enquiry/Purchase Order.

7.4. BPCL may, at its own expense, have its representative(s) witness any test or inspection. In order to enable BPCL's representative(s) to witness the tests/ inspections, BPCL will advise the Vendor in advance whether it intends to have its representative(s) be present at any of the inspections.

7.5. Even if the inspection and tests are fully carried out, the Vendor shall not be absolved from its

responsibilities to ensure that the Material(s), raw materials, components and other inputs are supplied strictly to conform and comply with all the requirements of the Contract at all stages, whether during manufacture and fabrication, or at the time of Delivery as on arrival at site and after its erection or start up or consumption, and during the defect liability period. The inspections and tests are merely intended to prima-facie satisfy BPCL that the Material(s) and the parts and components comply with the requirements of the Contract. The Vendor's responsibility shall also not be anywise reduced or discharged because BPCL or BPCL's representative(s) or Inspector(s) shall have examined, commented on the Vendor's drawings or specifications or shall have witnessed the tests or required any chemical or physical or other tests or shall have stamped or approved or certified any Material(s).

7.6. Although material approved by the Inspector(s), if on testing and inspection after receipt of the Material(s) at the location, any Material(s) are found not to be in strict conformity with the contractual requirements or specifications, BPCL shall have the right to reject the same and hold the Vendor liable for non-performance of the Contract.

8. SHIPPING:

8.1 SEA SHIPMENT: All shipment of materials shall be made by first class direct vessels as per procedure detailed hereunder. The Foreign Supplier shall arrange with Vessels Owners or Forwarding Agents for proper storage of the entire Cargo intended for the project in a specific manner so as to facilitate and to avoid any over carriage at the port of discharge. All shipment shall be under deck unless carriage on deck is unavoidable.

The bills of lading should be made out in favour of `Bharat Petroleum Corporation Limited or order'.

All columns in the body of the Bill of Lading namely marks and nos., material description, weight particulars etc., should be uniform and accurate and such statements should be uniform in all the shipping documents. The freight particulars should mention the basis of freight tonnage, heavy lift charges, if any, surcharge, discount etc. clearly and separately. The net total freight payable shall be shown at the bottom.

SHIPPING DOCUMENTS: All documents viz. Bill of Lading, invoices, packing list, freight memos, country of origin certificates, test certificate, drawings and catalogues should be in English language.

In addition of the bill of lading which should be obtained in three stamped original plus as many copies as required, invoices, packing list, freight memos, (if the freight particulars are not shown in the bills of lading), country of origin certificate, test/ composition certificate, shall be made out against each shipment in as many number of copies as shown below.

The bill of lading, invoice and packing list specifically shall show uniformly the mark and numbers, contents case wise, country of origin, consignees name, port of destination and all other particulars as indicated under clause 2. The invoice shall show the unit rates and net total F.O.B. prices. Items packed separately should also be invoiced and the value shown accordingly. Packing list must show apart from other particulars actual contents in each case, net and gross weights and dimensions, and the total number of packages. All documents should be duly signed by the Vendor's authorised representatives.

In the case of FOB orders, shipping arrangements shall be made by the Chartering Wing of the Ministry of Surface Transport, New Delhi through their respective forwarding agents. The names and addresses of forwarding agents shall be as per Special Purchase Conditions. Supplier shall furnish to the respective agents the full details of consignments such as outside dimension, weights (both gross and net) No of packages, technical description and drawings, name of supplier, ports of loading, etc. 6-weeks notice shall be given by the supplier to enable the concerned agency to arrange shipping space.

The bill of lading shall indicate the following:

Shipper: Vendor's Name

Consignee: Bharat Petroleum Corporation Limited

In case of supplies from USA, Export Licences, if any required from the American Authorities shall be obtained by the U.S. Suppliers. If need be assistance for obtaining such export licences would be available from India Supply Mission at Washington.

8.2 **AIRSHIPMENT:** In case of Airshipment, the materials shall be shipped through freight consolidator (approved by us). The airway bill shall be made out in favour of BHARAT PETROLEUM CORPORATION LIMITED.

TRANSMISSION OF SHIPPING DOCUMENTS for both modes of shipment viz. Sea and/or Air: Foreign Supplier shall obtain the shipping documents in seven complete sets including three original stamped copies of the Bill of Lading / Airway bill as quickly as possible after the shipment is made, and airmail/send scanned copies by e-mail as shown below so that they are received at least three weeks before the Vessels arrival or immediately in case of Air shipment. Foreign Supplier shall be fully responsible or any delay and/ or demurrage in clearance of the consignment at the port due to delay in transmittal of the shipping documents.

If in terms of letter or otherwise, the complete original set of documents are required to be sent to BPCL through Bank the distribution indicated below will confine to copies of documents only minus originals.

Documents	**BPCL**
Bill of Lading/Airway Bill	4 (including 1 original)
Invoice	4
Packing List	4
Freight Memo	4
Country of Origin Certificate	4
Third party inspection certificate	4
Drawing	4
Catalogue	4
Invoice of Third Party	4

for inspection charges whenever applicable.

9. **INDIAN AGENT COMMISSION:**

Any offer through Indian agents will be considered only after authorization mentioning them as Indian agents, is received from Vendor. Indian agents commission if applicable will be payable only in Indian currency. Indian agents should be registered with Directorate General of Supplies and Disposals, Government of India and agency commission will be payable only after registration with DGS&D, New Delhi.

10. **ORDER AWARD/ EVALUATION CRITERIA:**

Unless otherwise specified, Order award criteria will be on lowest quote landed price basis. Landed price will be summation of Basic Price, Packing & Forwarding Charges, GST, Freight, Inspection Charges, Supervision of Installation & Commissioning and other taxes & levies, loading etc., if any, reduced by Input tax Credits as applicable.

11. **CONFIRMATION OF ORDER:**

The vendor shall acknowledge the receipt of the purchase order within 10 days of mailing the same. The vendor shall sign, stamp the acknowledgement copy of the purchase order and return the same to BPCL.

12. PAYMENT TERMS:

12.1. Unless otherwise specified, 100% payment shall be made within 30 days from date of receipt and acceptance of materials at Site against submission of Performance Bank Guarantee (PBG) / Insurance Surety Bond for 5% of basic order value if PBG is applicable for the tender. The eligible MSME bidders can avail Bill discounting facility as follows.

12.2. In the case of imports, payment will be made on submission of original documents directly to Owner (Telegraphic Transfer-TT) or through Bank (Cash against documents-CAD) or through Irrevocable Letter of Credit.

12.3. Unless otherwise mentioned, the specified documents (All documents listed below (one original and two copies) should be submitted to originator of P.O. (the name and contact details of whom are given in PO) and payments for despatches will be made by the originator of Purchase Order :

a) Invoice
b) GST invoice
c) The Lorry Receipt of the consignment
d) Packing list for the consignment
e) Third Party Inspector's Certificate covering the invoiced Material(s)/ Release Note, wherever applicable
f) Manufacturers Test/Composition Certificate, wherever applicable
g) Drawing(s)/Catalogue(s) covering the Material(s), wherever applicable
h) Guarantee/Warranty Certificate(s), wherever applicable.
i) Original Receipt for other statutory levies as applicable.
j) Performance Bank Guarantee / Insurance Surety Bond as applicable.

12.4. The eligible MSME bidders can avail the discounting facility as follows: -

Trade Receivables Discounting System (TReDS) is an institutional mechanism set up in order to facilitate discounting of trade receivables of MSMEs from corporate buyers through invoice discounting by multiple financiers. Bharat Petroleum Corporation Limited (BPCL) is registered with TReDS platform of the aggregators M/s. Receivables Exchange of India Ltd (RXIL), M/s Invoice mart, M/s. M1 xchange, M/s C2treds and M/s DTX. The eligible MSME bidders can avail the discounting facility by registering either in one or multiple TReDS platform of the aggregators. It enables the sellers (MSMEs) to discount their invoices through the aggregators to the financiers at competitive rates thus unlocking their working capital swiftly.

13. GUARANTEE/ WARRANTY:

13.1. Materials shall be guaranteed against manufacturing defects, materials, workmanship and design for a period of 12 months from the date of commissioning or 18 months from the date of dispatch whichever is earlier. Warranty for replacement of material / accessories should be provided free of charges at our premises. The above guarantee/warranty will be without prejudice to the certificate of inspection or material receipt note issued by us in respect of the materials. In case the defect arises within the abovementioned Defect Liability Period (DLP) and the same is repaired/replaced, the DLP for the repaired/replaced job/item will be extended suitably so as to cover the original DLP. However, in no case, such extension will exceed 24 months from date of start of initial DLP.

13.2. All the materials including components and sub contracted items should be guaranteed by the vendor within the warranty period mentioned above. In the event of any defect in the material, the vendor will replace / repair the material at BPCL's concerned location at vendor's risk and cost on due notice.

13.3. In case, vendor does not replace / repair the material on due notice, rejected material will be sent to the

vendor on "Freight to pay" basis for free replacement. Material after rectification of defects shall be dispatched by the vendor on "Freight Paid" basis. Alternatively, BPCL reserves the right to have the material repaired / replaced at the locations concerned, at the vendor's risk, cost and responsibility.

13.4. The Vendor shall provide similar warrantee on the parts, components, fittings, accessories etc. so repaired and / or replaced.

14. PERFORMANCE BANK GUARANTEES / INSURANCE SURETY BOND:

14.1. Vendor will have to provide Performance Bank Guarantee / Insurance Surety Bond for 5% of the basic value of purchase order unless otherwise specified. This bank guarantee / Insurance Surety Bond shall be valid (shall remain in force) for guarantee period (as mentioned in the guarantee clause), with an invocation period of six months thereafter. In the case of Indigenous vendors, the Performance Bank Guarantee / Insurance Surety Bond shall be given on a non-judicial stamp paper of appropriate value (currently Rs 100). PBG format is as per Annexure-I / Annexure – II as applicable.

In case, PBG / Insurance Surety Bond is not provided by the Vendor, 5% of the basic value shall be retained in lieu of PBG / Insurance Surety Bond, till the expiry of guarantee / bond and claim period.
In the case of imports, the Supplier shall furnish the Performance Bank Guarantee (as per Annexure-I) through the following:

(a) Branches of Indian scheduled banks operating in their Country.
(b) Foreign bank operating in their Country which is counter guaranteed by branches of Indian scheduled banks operating in their Country/ India.
(c) Indian branches of foreign banks.
(d) Foreign bank operating in their Country counter guaranteed by their Indian branch.

However, in respect of (c) and (d) above, the Indian branch of foreign banks should be recognized as scheduled bank by Reserve Bank of India.

14.2. If Vendor wants to submit the PBG / Insurance Surety Bond at Contract level to avoid multiple number of PBG / Insurance Surety Bond (i.e. PBG / Insurance Surety Bond issued against every purchase/ call off order) then the validity of PBG / Insurance Surety Bond will be calculated as mentioned below:

Validity of PBG / Insurance Surety Bond = Rate Contract Issue Date (Start Date of Rate Contract) + Rate Contract Period (validity of Rate Contract) + Contractual Delivery Period of material + Contractual Guarantee period + 6 month (for invocation / Claim).

14.3 Process for submitting Bank Guarantee / PBG under SFMS (Structured Financial Messaging System) mode as follows:

Vendors shall insist their Bank for issuance of SFMS Bank Guarantee for faster payments. Vendors shall provide BPCL's Bank Account No. & IFSC Code (Details given below) to their Bank as beneficiary at the time of application for Bank Guarantee in favor of BPCL. Issuing Bank shall issue the Bank Guarantee & send SFMS message to BPCL's Bank confirming the authenticity of Bank Guarantee who in turn shall send the confirmation to BPCL. Vendor should ensure the following for issue of E- bank guarantee:

a. The issuing bank is on SFMS platform
b. SFMS Message type used is 760 COV and SFMS Delivery report/ Message copy is sent along with original BG
c. For BG amendment, message type 767COV is to be used.
d. SFMS contains following details:

i. Beneficiary's bank name: ICICI Bank
ii. IFSC Code: ICIC0000393
iii BPCL'S Customer ID: 8PCL583493800

e. BG Issuing Bank should send the BG Issuance advice through SFMS to BPCL's designated Banker: ICICI Bank, Backbay Branch, Mumbai (IFSC: ICIC0000393).
f. BG Issuance advice should mention applicable Unique Identifier Code (UIC) in row/ field number 7037 of SFMS Delivery Report.
a. BPCL Location : Kharghar , Navi Mumbai
b. Head office : Ballard Estate
c. UIC : BPCL583493800
g. The Original BG should be submitted along with print out of SFMS Delivery report from the BG Issuing Bank Branch.
h. SFMS BG will help in faster verification of BGs and prompt release of payments to Vendors.

15. PACKING & MARKING:

15.1 PACKING:

15.1.1 Packing shall withstand the hazards normally encountered with the means of transport for the goods of this purchase order including loading and unloading operation both by crane and by pushing off.

In the case of imports, all equipments/ materials shall be suitably packed in weather proof, seaworthy/airworthy packing for ocean/air transport under tropical conditions and for rail or road or other appropriate transport in India. The packing shall be strong and efficient enough to ensure safe preservice upto the final point of destination.

Raw/Solid wood packaging material of imported items has to be appropriately treated & marked as per International Standard of Phytosanitary Measures (ISPM-15") for material originating from the contracting countries to the International Plant Protection Convention or the members of Food & Agriculture Organization. Material from non-contracting parties would have to be accompanied by a phytosanitary certificate of the treatment endorsed. The Custom Officer at Indian Port shall not release the material without appropriate compliance of the above provisions w.e.f. 01.11.2004.

15.1.2 The packing specification incorporated herein are supplementary to the internal and external packing methods and standards as per current general rules of J.R.A. Good Tariff Part-I. All packaging shall be done in such a manner as to reduce volume as much as possible.

15.1.3 Fragile articles should be packed with special packing materials depending on the type of Materials and the packing shall bear the words "HANDLE WITH CARE GLASS FRAGILE, DON'T ROLL THIS END UP. THIS END DOWN," to be indicated by arrow.

15.1.4 Chemicals in powder form, catalyst, refractories and like materials etc. shall be packed in drums, cans and tins only. However, Catalyst may be supplied in Jumbo bags.

15.1.5 The hazardous materials shall be packed in accordance with the applicable rules, regulations and tariff of all cognizant Government Authorities and other Governing bodies. It shall be the responsibility of the seller of hazardous materials to designate the material as hazardous and to identify each material by its proper commodity name and its hazardous material class code.

15.1.6 All packages requiring handling by crane should have sufficient space at appropriate place to put sling of suitable dia (strength). Iron/Steel angle should be provided at the place where sling marking are made to avoid damage to package/ equipment while lifting.

15.1.7 Item shipped in bundles must be securely tied with steel wire or strapping. Steel reinforcing rods, bars, pipes, structural members etc. shall be bundled in uniform lengths and the weight shall be within the breaking strength of the securing wire or strapping.

In the case of imports, for bundles the shipping marks shall be embossed on metal or similar tag and wired securely on each end.

15.1.8 All delicate surfaces on equipment/ materials should be carefully protected and printed with protective paint/compound and wrapped to prevent rusting and damage.

15.1.9 All mechanical and electrical equipment and other heavy articles shall be securely fastened to the case bottom and shall be blocked and braced to avoid any displacement/ shifting during transit.

15.1.10 Attachments and spare parts of equipment and all small pieces shall be packed separately in wooden cases with adequate protection inside the case and wherever possible should be sent along with the main equipment. Each item shall be suitably tagged with identification of main equipment, item denomination and reference number of respective assembly drawing. Each item of steel structure and furnaces shall be identified with two erection markings with minimum lettering height of 15mm. Such markings will be followed by the collection numbers in indelible ink/paint. A copy of the packing list shall accompany the materials in each package.

15.1.11 All protrusions shall be suitably protected by providing a cover comprising of tightly bolted wooden disc on the flanges. All nozzles, holes and openings and also all delicate surfaces shall be carefully protected against damage and bad weather. All manufactured surfaces shall be painted with rust proof paint.

In the case of imports, for bulk uniform material when packed in several cases, progressive serial numbers shall be indicated on each case.

15.1.12 Wherever required, equipment/ materials instruments shall be enveloped in polythene bags containing silicagel or similar dehydrating compound.

15.1.13 Pipes shall be packed as under:

(a) Upto 50mm NB in wooden cases/ crates.
(b) Above 50mm NB and upto 100mm NB in bundles and should be strapped at minimum three places.
(c) Above 100mm NB in loose.

15.1.14 Pipes and tubes of stainless steel, copper etc. shall be packed in wooden cases irrespective of their sizes.

15.1.15 Pipes with threaded or flanged ends shall be protected with suitable caps covers, before packing. In the case of imports, all pipes and sheets shall be marked with strips bearing progressive no.

15.1.16 Detailed packing list in waterproof envelope shall be inserted in the package together with equipment/materials. One copy of the detailed packing list shall be fastened outside of the package in waterproof envelope and covered by metal cover.

15.1.17 The supplier shall be held liable for all damages or breakages to the goods due to the defective or insufficient packing as well as for corrosion due to insufficient protection.

15.1.18 Packaged equipment or materials showing damage defects or shortages resulting from improper packaging materials or packing procedures or having concealed damages or shortages, at the time of unpacking shall be to the supplier's account.

All packages which require special handling and transport should have their Centres of Gravity and the points at which they may be slung or gripped clearly indicated and marked "ATTENTION SPECIAL LOAD HANDLE WITH CARE" both in English/ Hindi Languages.

In the case of imports, a distinct colour splash in say red black around each package crate/ bundle shall be given for identification.

15.1.19 Along with the packed material, supplier should attach material list, manuals/instructions and also the Inspection certificate/ release note, wherever applicable.

15.2. **MARKING:** The following details to be written on the side face of packing:

a) Purchase Order Number
b) Consignee Name & Address
c) Vendor Name
d) Batch no with manufacturing date
e) Procedure (in brief) for handling
f) Date of dispatch etc.
g) Expiry Date, if applicable

15.3 IMPORTED ITEMS: On three sides of the packages, the following marks shall appear, clearly visible, with indelible paint and on Vendor's care and expenses.

BHARAT PETROLEUM CORPORATION LIMITED
(With detailed address as given in Special Purchase Conditions)

From :

To : Bharat Petroleum Corporation Limited
With detailed address as given in Special Purchase Conditions)

Order No.:		Rev. No.:	
Item	:		
Equipment Nomenclature	:		
Net weight	:	Kgs.	
Gross weight	:	Kgs.	
Case No.	:	of	Total cases:
Dimensions	:		
Import License No.	:		

NOTE:
Marking shall be bold - minimum letter height 5 cm. For every order and every shipment, packages must be marked with serial progressive numbering.

Top heavy containers shall be so marked either Top Heavy or Heavy Ends.

When packing material is clean and light coloured, a dark black stencil paint shall be acceptable. However, where packaging material is soiled or dark, a coat of flat zinc white paint shall be applied and allowed to dry before applying the specific markings.

In case of large equipments like vessels, heat exchangers, etc. the envelope containing the documents shall be fastened inside a shell connection, with an identifying arrow sign "documents" using indelible paint.

16. DELIVERY:

16.1. Unless otherwise mentioned, Vendor is requested to quote their best delivery schedule from the date of receipt of Purchase order.

16.2. Time being the essence of this contract, the delivery mentioned in the purchase order shall be strictly adhered to and no variation shall be permitted except with prior authorization in writing from the Owner. Goods should be delivered, securely packed and in good order and condition, at the place of delivery and within the time specified in the purchase order for their delivery.

16.3. The contractual delivery period is inclusive of all the lead time for engineering/ procurement of raw material, the manufacturing, inspection / testing, packing, transportation or any other activity whatsoever required to be accomplished for affecting the delivery at the required delivery point.

16.4. Unless otherwise specified, Material(s) shall not be despatched without prior inspection and/or testing and Release Order/Material(s) Acceptance Certificate issued by the Inspector(s).

16.5. BPCL shall have the right to advise any change in despatch point or destination in respect of any Material(s). Any extra expenditure incurred by the Vendor on this account supported by satisfactory documentary evidence, will be reimbursed to the Vendor by BPCL.

17. UNLOADING AND STACKING:

Unloading and stacking will be arranged by BPCL. The Vendor shall send BPCL information of the proposed consignment well in advance by telegram/fax/e-mail/courier to enable BPCL to take necessary action.

18. TRANSIT INSURANCE:

Unless otherwise mentioned,

18.1. Transit Insurance shall be covered by BPCL against its Mega Package Policy only where risk/reward has been transferred to BPCL.

18.2 In the case of imports, insurance against all marine and transit risk shall be covered under the Owner's marine policy. However, the Vendor shall ensure that in effecting shipments clear bill of lading/airway bill are obtained and the carrier's responsibility is fully retained on the Carriers so that the consignee's interests are fully secured and are in no way jeopardized.

18.3. The Vendor shall send BPCL information of the proposed consignment well in advance by fax/e-mail/courier to enable BPCL to take necessary action for the transit insurance of the consignment. Any failure by the Vendor to do so shall place the consignment at the Vendor’s risk.

18.4. In the case of imports, as soon as any shipment is made, the Foreign Supplier shall send advance information by way of e-mail to Bharat Petroleum Corporation Limited, (with detailed address as given in Special Purchase Conditions and/or purchase order) giving particulars of the shipments, vessels name, port of shipment, bill of lading number and date, total FOB and freight value.

19 VALIDITY OF OFFER:

The rates quoted against this tender shall be valid for a period of 90 Days from the date of opening of the tender unless otherwise specified in the Special Purchase Conditions.

20. DELIVERY DATES AND PRICE REDUCTION SCHEDULE:

20.1. The time and date of Delivery of Material(s) as stipulated in the Contract shall be adhered to on the clear understanding that the Price(s) of the Material(s) has/have been fixed with reference to the said Delivery date(s).

20.2. If any delay is anticipated by the Vendor in the delivery of the Material(s) or any of them beyond the stipulated date(s) of Delivery, the Vendor shall forthwith inform BPCL in writing of such anticipated delay and of the steps being taken by the Vendor to remove or reduce the anticipated delay, and shall promptly keep BPCL informed of all subsequent developments.

20.3. The delivery period quoted must be realistic & specific. The inability of successful Vendors to execute orders in accordance with the agreed delivery schedule will entitle BPCL, at its options, to:

20.3.1. Accept delayed delivery at prices reduced by a sum equivalent to half percent (0.5%) of the basic value of any goods not delivered for every week of delay or part thereof, limited to a maximum of 5% of the total basic order value. LR date will be considered as delivery completion date for calculation of price reduction in the case of ex works contract. Date of receipt of materials at owner's premises shall be considered for calculation of price reduction for F.O.R destination contract.

In the case of imports, the contractual delivery date shall be considered from the date of Letter of Credit (L/C) or the date of L/C amendment because of Buyer's fault plus one week (to take care of transit time for receipt of L/C) plus the delivery schedule as indicated by the vendors.

In case of the shipment taking place on "Cash against documents", the contractual delivery shall be taken from the date of purchase order plus one week (to take care of transit time for receipt of order) plus delivery period.

Further the date of B/L or House airway bill shall be considered to find out the delay with respect to contractual delivery date. In case of FOB shipments if the vessel is not available then the intimation by vendors regarding readiness of the goods for the shipment shall be considered for calculating the delay if any. So vendor shall inform the readiness of material for shipment on FOB (Free on Board) basis/ FCA (Free on Carrier) basis.

20.3.2. Cancel the order in part or full and purchase such cancelled quantities from elsewhere on account at the risk and cost of the vendor, without prejudice to its right under 20.3.1 above in respect of goods delivered.

21. RISK PURCHASE CLAUSE:

BPCL reserves the right to curtail or cancel the order either in full or part thereof if the vendor fails to comply with the delivery schedule and other terms & conditions of the order. BPCL also reserves the right to procure the same or similar materials/equipment through other sources at vendor's entire risk, cost and consequences. Further, the vendor agrees that in case of procurement by the owner from other sources the differential amount paid by the owner shall be on account of the vendor together with any interest and other costs accrued thereon for such procurement.

22. FORCE MAJEURE

Circumstances leading to force majeure

(a) Act of terrorism;

(b) Riot, war, invasion, act of foreign enemies, hostilities (whether war be declared or not), civil war, rebellion, revolution, insurrection of military or usurped power;

(c) Ionising radiation or contamination, radio activity from any nuclear fuel or from any nuclear waste from the combustion of nuclear fuel, radioactive toxic explosive or other hazardous properties of any explosive assembly or nuclear component;

(d) epidemics, earthquakes, flood, fire, hurricanes, typhoons or other physical natural disaster, but excluding weather conditions regardless of severity; and

(e) freight embargoes, strikes at national or state-wide level or industrial disputes at a national or state-wide level in any country where Works are performed, and which affect an essential portion of the Works but excluding any industrial dispute which is specific to the performance of the Works or the Contract.

For the avoidance of doubt, inclement weather, third party breach, delay in supply of materials (other than

due to a nationwide transporters' strike) or commercial hardship shall not constitute a Force Majeure event.

- **Notification of Force Majeure**

Contractor shall notify within [10(ten)] days of becoming aware of or the date it ought to have become aware of the occurrence of an event of Force Majeure giving full particulars of the event of Force Majeure and the reasons for the event of Force Majeure preventing the Affected Party from, or delaying the Affected Party in performing its obligations under the Contract.

- **Right of either party to terminate**

If an event of Force Majeure occurs and its effect continues for a period of 180 (one hundred eighty days) or more in a continuous period of 365 (three hundred sixty five) days after notice has been given under this clause, either Party may terminate the Contract by issuing a written notice of 30 (thirty) days to the other Party.

- **Payment in case of termination due to Force Majeure**

The Contract Price attributable to the Works performed as at the date of the commencement of the relevant event of Force Majeure.

The Contractor has no entitlement and Owner has no liability for:

a) Any costs, losses, expenses, damages or the payment of any part of the Contract Price during an event of Force Majeure; and

b) Any delay costs in any way incurred by the Contractor due to an event of Force Majeure. Time extension for such cases will be worked out appropriately.

23. DISPUTE RESOLUTION:

23.1 In the event of a dispute arising out of or in connection with this contract, including any question regarding its existence, validity or termination, the parties shall first seek settlement of that dispute by mediation in accordance with BPCL Mediation Scheme, 2025. The venue of mediation proceedings shall be at _____ (Region/HQ from where the tender has been floated). BPCL Mediation Scheme 2025 can be accessed at https://www.bharatpetroleum.in/images/files/bpcl-mediation-scheme-2025.pdf

23.2 If the dispute is not settled by mediation in terms of BPCL Mediation Scheme, 2025, then the dispute shall be referred for adjudication through a court of competent jurisdiction in India.

23.3 The governing law of the contract shall be the substantive laws of India.

23.4 Neither party shall be entitled for any pre-filing interest, i.e., from the date of cause of action till the date of filing of civil suit. Parties agree that any claim for any such interest shall not be considered and shall be void. The Civil Court/Commercial Court shall have no right to grant any pre-filing interest to either of the parties.

23.5 In the event of any dispute or difference relating to the interpretation and application of the provisions of commercial contract(s) between Central Public Sector Enterprises (CPSEs)/Port Trusts inter se and also between CPSEs and Government Departments/Organisations (excluding disputes relating to Income Tax, Customs & Excise Departments*), such dispute or difference shall be taken up by either party for its resolution through AMRCD as mentioned in DPE OM no. 05/0003/2019-FTS-10937 dated 14th December, 2022 and the decision of AMRCD on the said dispute will be binding on both the parties.

(* The exclusion would also include disputes concerning GST, State level Sales Tax / VAT etc; though not mentioned explicitly).

24. INTEGRITY PACT (IP):

Vendors are requested to sign & return our pre-signed IP document, if applicable. This document is essential & binding. Vendor's failure to return the IP document duly signed along with Bid Document may result in the bid not being considered for further evaluation.

25. RECOVERY OF SUMS DUE:

Whenever, any claim against vendor for payment of a sum of money arises out of or under the contract, the owner shall be entitled to recover such sums from any sum then due or when at any time thereafter may become due from the vendor under this or any other contract with the owner and should this sum be not sufficient to cover the recoverable amount of claim(s), the vendor shall pay to BPCL on demand the balance remaining due.

26. CONFIDENTIALITY OF TECHNICAL INFORMATION:

Drawing, specifications and details shall be the property of the BPCL and shall be returned by the Vendor on demand. The Vendor shall not make use of drawing and specifications for any purpose at any time save and except for the purpose of BPCL. The Vendor shall not disclose the technical information furnished to or organized by the Vendor under or by virtue of or as a result of the implementation of the Purchase Order to any person, firm or body or corporate authority and shall make all endeavors to ensure that the technical information is kept CONFIDENTIAL. The technical information imparted and supplied to the vendor by BPCL shall at all time remain the absolute property of BPCL. Imparting of any confidential information by the Vendor will be breach of contract.

27. PATENTS & ROYALTIES:

The vendor shall fully indemnify BPCL and users of materials specified herein/supplied at all times, against any action, claim or demand, costs and expenses, arising from or incurred by reasons of any infringement or alleged infringement of any patent, registered design, trademark or name, copy right or any other protected rights in respect of any materials supplied or any arrangement, system or method of using, fixing or working used by the vendor. In the event of any claim or demand being made or action sought against BPCL in respect of any of the aforesaid matter, the vendor shall be notified thereof immediately and the vendor shall at his/its own expense with (if necessary) the assistance of BPCL (whose all expense shall be reimbursed by the vendor) conduct all negotiations for the settlement of the same and/or litigation which may arise thereof.

28. LIABILITY CLAUSE:

In case where it is necessary for employees or representatives of the Vendor to go upon the premises of owner, vendor agrees to assume the responsibility for the proper conduct of such employees/representatives while on said premises and to comply with all applicable Workmen's Compensation Law and other applicable Government Regulations and Ordinances and all plant rules and regulations particularly in regard to safety precautions and fire hazards. If this order requires vendor to furnish labour at site, such vendor's workmen or employees shall under no circumstances be deemed to be in owner's employment and vendor shall hold himself responsible for any claim or claims which they or their heirs, dependent or personal representatives, may have or make, for damages or compensation for anything done or committed to be done, in the course of carrying out the work covered by the purchase order, whether arising at owner's premises or elsewhere and agrees to indemnify the owner against any such claims, if made against the owner and all costs of proceedings, suit or actions which owner may incur or sustain in respect of the same.

29. LIMITATION OF LIABILITY FOR GOODS PROCUREMENT :

The aggregate total liability of the Contractor to Owner under the Contract shall not exceed the total Contract Price, except that this Clause shall not limit the liability of the Contractor for following:
(a) In the event of breach of any Applicable Law;
(b) In the event of fraud, willful misconduct or illegal or unlawful acts, or gross negligence of the Contractor or any person acting on behalf of the Contractor; or

(c) In the event of acts or omissions of the Contractor which are contrary to the most elementary rules of diligence which a conscientious Contractor would have followed in similar circumstances; or

(d) In the event of any claim or loss or damage arising out of infringement of Intellectual Property; or

(e) For any damage to any third party, including death or injury of any third party caused by the Contractor or any person or firm acting on behalf of the Contractor in executing the Works.

Neither Party shall be liable to the other Party for any kind of indirect or consequential loss or damage like, loss of use, loss of profit, loss of production or business interruption which is connected with any claim arising under the Contract.

30. COMPLIANCE OF REGULATIONS:

Vendor warrants that all goods/Materials covered by this order have been produced, sold, dispatched, delivered and furnished in strict compliance with all applicable laws, regulations, labour agreement, working condition and technical codes and statutory requirements as applicable from time to time. The vendor shall ensure compliance with the above and shall indemnify owner against any actions, damages, costs and expenses of any failure to comply as aforesaid.

31. REJECTION, REMOVAL OF REJECTED GOODS AND REPLACEMENT:

In case the testing and inspection at any stage by inspectors reveal that the equipment, materials and workmanship do not comply with specification and requirements, the same shall be removed by the vendor at his/its own expense and risk, within the time allowed by the owner. The owner shall be at liberty to dispose off such rejected goods in such manner as he may think appropriate. In the event the vendor fails to remove the rejected goods within the period as aforesaid, all expenses incurred by the owner for such disposal shall be to the account of the vendor. The freight paid by the owner, if any, on the inward journey of the rejected materials shall be reimbursed by the vendor to the owner before the rejected materials are removed by the vendor. The vendor will have to proceed with the replacement of the equipment or part of equipment without claiming any extra payment if so required by the owner. The time taken for replacement in such event will not be added to the contractual delivery period.

32. NON-WAIVER:

Failure of the Owner to insist upon any of the terms or conditions incorporated in the Purchase Order or failure or delay to exercise any rights or remedies herein, or by law or failure to properly notify Vendor in the event of breach, or the acceptance of or payment of any goods hereunder or approval of design shall not release the Vendor and shall not be deemed a waiver of any right of the Owner to insist upon the strict performance thereof or of any of its or their rights or remedies as to any such goods regardless of when such goods are shipped, received or accepted nor shall any purported oral modification or revision of the order by BPCL act as waiver of the terms hereof. Any waiver to be effective must be in writing. Any lone incident of waiver of any condition of this agreement by BPCL shall not be considered as a continuous waiver or waiver for other condition by BPCL.

33. NEW & UNUSED MATERIAL:

All the material supplied by the vendor shall be branded new, unused and of recent manufacture.

34. PURCHASE PREFERENCE CLAUSE:

Owner reserves its right to allow Public Sector Enterprises (Central/State), purchase preference as admissible/ applicable from time to time under the existing Govt. policy. Purchase preference to a PSE shall be decided based on the price quoted by PSE as compared to L1 Vendor at the time of evaluation of the price bid.

Owner reserves its right to allow Micro and Small Enterprises (MSEs), MSEs owned by Women Entrepreneurs and MSEs owned by Scheduled Caste (SC) or the Scheduled tribe (ST) entrepreneurs, purchase preference as admissible/applicable from time to time under the existing Govt. policy. Purchase preference to a MSE, a MSE owned by women entrepreneurs and a MSE owned by SC/ST entrepreneurs shall be decided based on the price quoted by the said MSEs as compared to L-1 Vendor at the time of evaluation of the price bid.

Bidders claiming purchase preference as MSE need to submit the following documents:

- Self-attested copy of all the pages of the EM-II certificate/Udyog Adhar Memorandum issued by the appropriate authorities mentioned in the Public procurement policy of MSEs-2012 and
- Vendor's declaration/affidavit in their organization/Company letter head, stating that, in the event of award of contract, all the ordered supplies shall be made from the unit for which MSE certificate has been submitted.

35. CANCELLATION:

35.1. BPCL reserves the right to cancel the contract/purchase order or any part thereof through a written notice to the vendor if:

35.1.1. The vendor fails to comply with the terms of this purchase order/contract.

35.1.2. The vendor becomes bankrupt or goes into liquidation.

35.1.3. The vendor fails to deliver the goods on time and/or replace the rejected goods promptly.

35.1.4. The vendor makes a general assignment for the benefit of creditors.

35.1.5. A receiver is appointed for any of the property owned by the vendor.

35.2. Upon receipt of the said cancellation notice, the vendor shall discontinue all work on the purchase order matters connected with it. BPCL in that event will be entitled to procure the requirement in the open market and recover excess payment over the vendor's agreed price if any, from the vendor and also reserving to itself the right to forfeit the security deposit if any, made by the vendor against the contract. The vendor is aware that the said goods are required by BPCL for the ultimate purpose of materials production and that non-delivery may cause loss of production and consequently loss of profit to the BPCL. In this-event of BPCL exercising the option to claim damages for non delivery other than by way of difference between the market price and the contract price, the vendor shall pay to BPCL, fair compensation to be agreed upon between BPCL and the vendor. The provision of this clause shall not prejudice the right of BPCL from invoking the provisions of price reduction clause mentioned in 20.3.1 as aforesaid.

36. ANTI –COMPETITIVE AGREEMENTS/ABUSE OF DOMINANT POSITION:

The Competition Act, 2002 as amended by the Competition (Amendment) Act, 2007 (the Act), prohibits anti- competitive practices and aims at fostering competition and at protecting Indian markets against anti-competitive practices by enterprises. The Act prohibits anti- competitive agreements, abuse of dominant position by enterprises, and regulates combinations (consisting of acquisition, acquiring of

control and M&A) wherever such agreements, abuse or combination causes, or is likely to cause, appreciable adverse effect on competition in markets in India. BPCL reserves the right to approach the Competition Commission established under the Act of Parliament and file information relating to anti-competitive agreements and abuse of dominant position. If such a situation arises, then Vendors are bound by the decision of the Competitive Commission and also subject to penalty and other provisions of the Competition Act.

37. ASSIGNMENT:

The Vendor does not have any right to assign his rights and obligations under these general purchase conditions without the prior written approval of BPCL.

38. GOVERNING LAW:

These General Purchase Conditions shall be governed by the Laws of India.

39. AMENDMENT:

Any amendment to these General Purchase Conditions can be made only in writing and with the mutual consent of the parties to these conditions.

40. NOTICES:

Any notices to be given hereunder by a Party to the other shall be in English and delivered by hand or sent by courier or facsimile to the other Party at the address or facsimile number stated below or such other address or number as may be notified by the relevant Party from time to time.

41. POLICY ON HOLIDAY LISTING:

The guidelines and procedures for Holiday Listing are available separately in BPCL website and shall be applicable in the context of all tenders floated and consequently all orders/ contracts / purchase orders. It can be accessed using the following link: https://www.bharatpetroleum.in/pdf/Holiday-Listing-Policy-2024.pdf

42. ORDER OF PRECEDENCE FOR PURCHASES :

1. Purchase Order
2. Detailed letter of Acceptance along with its enclosures
3. Letter of Award / Fax of Acceptance
4. Job Specifications (specific to particular job only)
5. Drawings
6. Special Purchase Conditions (SPC)
7. Technical Specifications
8. Instructions to Bidders
9. General Purchase Conditions (GPC)
10. Other Documents

Additionally, any variation or amendment / change order issued after signing of formal contract shall take precedence over respective clauses of the formal contract and its Annexures.

43. TERMINATION FOR CONVENIENCE:

The purchaser may, by written notice of 14 days sent to the seller, cancel the contract, in whole or part, at any time for his convenience. The notice of cancellation shall specify that cancellation is for the

purchaser's convenience, the extent to which performance of work under the contract is cancelled and the date upon which such cancellation becomes effective.

The goods that are complete and ready for shipment within 30 days after the seller's receipt of notice of cancellation shall be purchased by the purchaser at contract terms and prices. For the remaining goods, the purchaser may opt :-

a. To have any portion completed and delivered at the contract terms and prices

and / or

b. To cancel the remainder and pay to the seller an agreed amount for partially completed goods and materials and parts previously procured by the seller.

44. BUILDING AND OTHER CONSTRUCTION WORKERS CESS:

a. Bidders to note that under Building and other Construction Workers Welfare Act (Re&CS) Act 1996, Cess is applicable to contracts executed outside Factory Area (e.g. construction of new industrial installation, office & residential buildings etc.) as per the provisions applicable under 'The Building and Other Construction Workers Welfare Cess Act 1996'.

b. The contractor must be registered with the concerned authorities under the Building and other Construction Workers" (RE&CS) Act, 1996 or in case of non-registration; the contractor should obtain registration within one month of the award of contract.

c. The contractor shall be responsible to comply with all provisions of the Building and Other Construction Workers" (RE&CS) Act, 1996, the Building and other Construction Workers" Welfare Cess Act, 1996, the Building and other Construction Workers" (RE&CS) Rules, 1998 and the Building and other Construction Workers Welfare Cess Rules, 1998.

d. Cess, as per the prevailing rate (presently 1%), shall be deducted at source from bills of the contactors by the Engineer-in-Charge and remitted to the "Secretary, Building and other Construction Workers Welfare Board" of the concerned State.

e. The contactor shall be responsible to submit final assessment return of the Cess amount to the assessing officer after adjusting the Cess deducted at source.

BPCL

_____
_____
_____

VENDOR

_____
_____
_____

Please sign & return all the pages of GPC as a token of your acceptance of all the terms & conditions as mentioned.

Annexure I

PERFORMANCE BANK GUARANTEE
(On Non-judicial paper for appropriate value)

To,
Bharat Petroleum Corporation Limited

Dear Sir,
In consideration of the Bharat Petroleum Corporation Limited, (hereinafter called 'the Company' which expression shall include its successors and assigns) having awarded to M/s. (Name) .....(Constitution).....(address) … ..... (hereinafter referred to as "The vendor" which expression shall wherever the subject or context so permits include its successors and assigns) a supply contract in terms interalia, of the Company's Purchase order No…….. dated and the General and Special Purchase Conditions of the Company and upon the condition of vendor's furnishing security for the performance of the vendor's obligations and/or discharge of the vendor's liability under and / or in connection with the said supply contract upto a sum of Rs. (in figures)……..Rs (in words) .....only amounting to 5% (five percent) of the total contract value.

We, (Name)……..(constitution) ……(hereinafter called "the Bank" which expression shall include its successors and assigns) hereby jointly and severally undertake and guarantee to pay to the Company in ----- (Currency) forthwith on demand in writing and without protest or demur of any and all moneys any wise payable by the Vendor to the Company under in respect of or in connection with the said supply contract inclusive of all the Company's losses and expenses and other moneys anywise payable in respect to the above as specified in any notice of demand made by the Company to the Bank with reference to this Guarantee upto an aggregate limit of Rs(in figures)……Rs(in words).....only.

AND the Bank hereby agrees with the Company that

(i) This Guarantee/undertaking shall be a continuing guarantee and shall remain valid and irrevocable for all claims of the Company and liabilities of the vendor arising upto and until midnight of ……..

This date shall be 6 months from the last date of guarantee period.

(ii) This Guarantee/ Undertaking shall be in addition to any other guarantee or security of whatsoever that the Company may now or at any time otherwise have in relation to the vendor's obligation/liabilities under and /or connection with the said supply contract, and the Company shall have full authority to take recourse to or reinforce this security in preference to the other security(ies) at its sole discretion, and no failure on the part of the Company in enforcing or requiring enforcement of any other security shall have the effect of releasing the Bank from its liability hereunder.

(iii) The Company shall be at liability without reference to the Bank and without effecting the full liability of the Bank hereunder to take any other security in respect of the vendor's obligations and /or liabilities under or in connection with the said supply contract and to vary the terms vis a vis the vendor of the said supply contract or to grant time and/ or indulgence to the vendor or to reduce or to increase or otherwise vary the prices of the total contract value or to release or to forbear from enforcement all or any of the obligations of the vendor

under the said supply contract and/ or the remedies of the Company under any other security(ies) now or hereafter held by the Company and no such dealing(s), variation(s), reduction(s), increase(s) or the indulgence(s) or arrangement(s) with the vendor or release or forbearance whatsoever shall have the effect of releasing the Bank from its full liability to the Company hereunder or of prejudicing rights of the Company against the Bank.

(iv) This Guarantee /Undertaking shall not be determined by the liquidation or winding up or dissolution or change of constitution or insolvency of the vendor but shall in all respects and for all purposes be binding and operative until payment of all moneys payable to the Company in terms hereof.

(v) The Bank hereby waives all rights at any time inconsistent with the terms of the Guarantee/ Undertaking and the obligations of the Bank in terms hereof shall not be anywise affected or suspended by reason of any dispute or disputes having been raised by the vendor (whether or not pending before any Arbitrator, officer, Tribunal or Court) or any denial of liability by the vendor or any other order of communication whatsoever by the vendor stopping or preventing or purporting to stop or prevent any payment by the Bank to the Company in terms hereof.

(vi) The amount stated in any notice of demand addressed by the Company to the Guarantor as liable to be paid to the Company by the vendor or as suffered or incurred by the Company on account of any losses or damages of costs, charges and or expenses shall as between the Bank and the Company be conclusive of the amount so liable to be paid to the Company or suffered or incurred by the Company, as the case may be and payable by the Guarantor to Company in terms hereof.

Yours faithfully,

(Signature)

NAME & DESIGNATION

NAME OF THE BANK

NOTES:

Annexure II

Form of Insurance Surety Bond towards Bid Security (EMD) / Performance Security

[To be stamped in accordance with Stamp Act of India]

Insurance Surety Bond No. Date

To

[Bharat Petroleum Corporation Limited]

Dear Sirs,

In accordance with Invitation for Bids under your Tender No. & date……,
M/s.....[Bidder's Name] ..... having its Registered / Head Office at ..... (hereinafter called the 'Bidder') wish to participate / have been awarded [as the case may be] in the said tender for ..... [Procurement description / Tender Title].

As an irrevocable Insurance Surety Bond against Bid Security (EMD) / Performance Security [as the case may be] for an amount of ..... [EMD / Performance Security amount] and remain in full force for a period of …… (days) i.e. up to [Validity Date] from the Bid Due Date and with an additional claim period of ……(days) i.e. up to [Claim Period Validity Date] required to be submitted by the Bidder as a condition precedent for participation in the said bid / award of contract [as the case may be] which amount is liable to be forfeited on the happening of any contingencies as mentioned under the Bidding Documents / Contract / LoA.

We, the ..... [Name of the Insurer] registered under IRDAI having our Head Office at .....[Address of the Insurer] guarantee and undertake to pay immediately on demand by Bharat Petroleum Corporation Limited (hereinafter called the 'Beneficiary') the amount of ..... [EMD / Performance Security amount] without any reservation, protest, demand and recourse. Any such demand made by the Beneficiary shall be conclusive and binding on us irrespective of any dispute or difference raised by the Bidder and / or any right / remedy available to the bidder in terms thereof.

This Insurance Surety Bond shall be unconditional as well as irrevocable and shall remain valid up to ..... [Claim date]. If any further extension of this Insurance Surety Bond is required, the same shall be extended to such required period on receiving instructions from M/s ..... [Bidder's Name] on whose behalf this Insurance Surety Bond is issued.

The Insurer declares that it has power to issue this Surety Bond and discharge the obligations contemplated herein, the undersigned is duly authorised and has full power to execute this Surety Bond for and on behalf of the Insurer.

The Surety Bond shall not be affected by any change in the constitution or winding up of the Bidder or the Insurer or any absorption, merger or amalgamation of the Bidder or the Insurer with any other person.

In witness where of the Insurer, through its authorised officer, has set its hand and stamp on this.....day of.....20.....at.....

.....
(Signature)
.....
(Name)

.....
(Designation with Insurer Stamp)

Contact Details & Address of Surety Insurer for verification:

Name (Official): ……

Branch Address:……

Telephone No.:……

Mobile No:…….

E-mail:……..

PREAMBLE TO SCHEDULE of PRICE (SOP) / SCHEDULE OF RATES (SOR) (FOR INDIAN BIDDERS)	
Name of Item :	**LIGHTING FIXTURE & ACCESSORIES-HAZARDOUS,JUNCTION BOXES (FLAME PROOF),LIGHTING & POWER PANELS (FLP),PLUGS/SOCKETS/HANDLAMPS (FLAME PROOF),FLAMEPROOF POWERDISTRIBUTION BOARD,CONTROL STATIONS-FLAME PROOF**
RFQ No: SPN/ B933-000-XR-MR-0510/176 (Tender ID: 2026_EIL_906510)	
NAME OF BIDDER:	
OFFER REFERENCE NO:	

1	The quoted prices shall be inclusive of all Scope of Supply,P&F and testing requirements as specified in the enclosed MR. Scope of Supply shall be strictly as per Material Requisition and other documents which are part of RFQ.
2	Submision of this Price schedule by bidder, confirms that bidder has noted the contents of the Preamble to the Schedule of Price (SOP) / Schedule of Rates (SOR), RFQ, Material Requisition etc. and quoted his prices accordingly without any deviation.
3	Bidder must quote the price in enclosed Schedule of Price (SOP) formats only. The formats shall not be changed and/or retyped. For any deviation to the formats, offer may be rejected.
4	Quoted prices are firm and fixed till complete execution of the entire order and no variation on any account is allowed, unless otherwise categorically specified in RFQ documents.
5	The quoted prices shall be inclusive of all testing requirements as specified in the Bidding Document.
6	In case of discrepancies in the Item Description/Quantity in this SOP, description/quantity etc. as per MR shall prevail.
7	Bidder to quote Total Group wise prices as sought in the SOP / BOQ.
8	Bidder to list Two Years Operation and Maintenance Spares, as per their recommendation. Separate list shall be provided by the Bidder for each item in the format enclosed herewith with itemized cost. Ordering of these spares may be done by the Purchaser separately on a later date and not along with main equipment.The price of Two Years Operation and Maintenance Spares shall not be considered for commercial (price) evaluation of the bid.
9	Bidder shall quote Lumpsum Freight Charges upto Project Site.
10	This Schedule of Prices comprises the following : - SCHEDULE OF PRICES (BOQ1) - DETAILS OF BUILT-IN-CIF VALUE OF IMPORT CONTENT (INDIAN BIDDERS) (FORMAT-B1) - 2 YEARS O&M SPARES(FORMAT-B2) - Annexure-B (% BREAK-UP OF TAGS IN THE GROUP)
11	i). GST rate has been prefilled as 18.00%, which can be edited by the bidders. ii) It is mandatory for bidders to mention GST rate against each item.The GST Rates have been pre-filled in respective columns , Bidders shall confirm/quote the applicable GST Rates as per their own assessment. Any GST rate submitted in respective columns in price bid shall be deemed to be considered as bidder's submission only.
Notes:	i) Bidders must submit this preamble with their bid along with priced offer. ii) Bidders are requested to enter their name in the each page of Schedule of Price provided in the e-tender portal for submission of price bid

Validate Print Help **Item Wise BoQ**

Tender Inviting Authority: EIL on behalf of BPCL

Name of Work: LIGHTING FIXTURE & ACCESSORIES-HAZARDOUS,JUNCTION BOXES (FLAME PROOF),LIGHTING & POWER PANELS (FLP),PLUGS/SOCKETS/HANDLAMPS (FLAME PROOF),FLAMEPROOF POWER DISTRIBUTION BOARD,CONTROL STATIONS-FLAME PROOF

RFQ No: SPN/ B933-000-XR-MR-0510/176

Notes: 01). GST rate has been prefilled as 18.00%, which can be edited by the bidders.
02) It is mandatory for bidders to mention GST rate against each item.The GST Rates have been pre-filled in respective columns , Bidders shall confirm/quote the applicable GST Rates as per their own assessment. Any GST rate submitted in respective columns in price bid shall be deemed to be considered as bidder's submission only.
03) Item Descriptions are as per MR.

Name of the Bidder/ Bidding Firm / Company :	

PRICE SCHEDULE(BOQ1)

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER	NUMBER #	NUMBER	NUMBER	NUMBER	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL SUPPLY PRICE ON FOT DESPATCH POINT BASIS (In Figures; to be entered by the Bidder) (excluding GST) in Rs (To be filled by bidder)	Rate of GST in % on supply (To be filled by bidder)	TOTAL FREIGHT CHARGES UPTO PROJECT SITE (In Figures; to be entered by the Bidder) (excluding GST) in Rs (To be filled by bidder)	Rate of GST in % on Freight Charges (To be filled by bidder)	TOTAL AMOUNT including taxes Rs. P	TOTAL AMOUNT In Words
	LIGHTING FIXTURE & ACCESSORIES									
1	Group A1	1	Lot			18.00		18.00	0.00	INR Zero Only
2	Group A2	1	Lot			18.00		18.00	0.00	INR Zero Only
3	Group A3	1	Lot			18.00		18.00	0.00	INR Zero Only
4	Group A4	1	Lot			18.00		18.00	0.00	INR Zero Only
5	Group A5	1	Lot			18.00		18.00	0.00	INR Zero Only
6	Group A6	1	Lot			18.00		18.00	0.00	INR Zero Only
7	Group A7	1	Lot			18.00		18.00	0.00	INR Zero Only
8	Group A8	1	Lot			18.00		18.00	0.00	INR Zero Only
9	Group A9	1	Lot			18.00		18.00	0.00	INR Zero Only
10	Group A10	1	Lot			18.00		18.00	0.00	INR Zero Only
11	Group A11	1	Lot			18.00		18.00	0.00	INR Zero Only
12	Group A12	1	Lot			18.00		18.00	0.00	INR Zero Only

13	**Group A13**	1	Lot			**18.00**		**18.00**	**0.00**	INR Zero Only
14	**Group A14**	1	Lot			**18.00**		**18.00**	**0.00**	INR Zero Only
15	**Group A15**	1	Lot			**18.00**		**18.00**	**0.00**	INR Zero Only
16	**Group A16**	1	Lot			**18.00**		**18.00**	**0.00**	INR Zero Only
17	**Group A17**	1	Lot			**18.00**		**18.00**	**0.00**	INR Zero Only
18	**Group A18**	1	Lot			**18.00**		**18.00**	**0.00**	INR Zero Only
19	**Group A19**	1	Lot			**18.00**		**18.00**	**0.00**	INR Zero Only
20	**Group A20**	1	Lot			**18.00**		**18.00**	**0.00**	INR Zero Only
21	**Group A21**	1	Lot			**18.00**		**18.00**	**0.00**	INR Zero Only
22	**Group A22**	1	Lot			**18.00**		**18.00**	**0.00**	INR Zero Only
23	**Group A23**	1	Lot			**18.00**		**18.00**	**0.00**	INR Zero Only
24	**Group A24**	1	Lot			**18.00**		**18.00**	**0.00**	INR Zero Only
25	**Group A25**	1	Lot			**18.00**		**18.00**	**0.00**	INR Zero Only
26	**Group A26**	1	Lot			**18.00**		**18.00**	**0.00**	INR Zero Only
27	**Group A27**	1	Lot			**18.00**		**18.00**	**0.00**	INR Zero Only
28	**Group A28**	1	Lot			**18.00**		**18.00**	**0.00**	INR Zero Only
29	**Group A29**	1	Lot			**18.00**		**18.00**	**0.00**	INR Zero Only
30	**Group A30**	1	Lot			**18.00**		**18.00**	**0.00**	INR Zero Only
31	**Group A31**	1	Lot			**18.00**		**18.00**	**0.00**	INR Zero Only
32	**Group A32**	1	Lot			**18.00**		**18.00**	**0.00**	INR Zero Only
33	**Group A33**	1	Lot			**18.00**		**18.00**	**0.00**	INR Zero Only
34	**Group A34**	1	Lot			**18.00**		**18.00**	**0.00**	INR Zero Only
35	**Group A35**	1	Lot			**18.00**		**18.00**	**0.00**	INR Zero Only

36	**Group A36**	1	Lot			**18.00**		**18.00**	**0.00**	INR Zero Only
37	**Group A37**	1	Lot			**18.00**		**18.00**	**0.00**	INR Zero Only
38	**Group A38**	1	Lot			**18.00**		**18.00**	**0.00**	INR Zero Only
39	**Group A39**	1	Lot			**18.00**		**18.00**	**0.00**	INR Zero Only
40	**Group A40**	1	Lot			**18.00**		**18.00**	**0.00**	INR Zero Only
41	**Group A41**	1	Lot			**18.00**		**18.00**	**0.00**	INR Zero Only
42	**Group A42**	1	Lot			**18.00**		**18.00**	**0.00**	INR Zero Only
43	**Group A43**	1	Lot			**18.00**		**18.00**	**0.00**	INR Zero Only
44	**Group A44**	1	Lot			**18.00**		**18.00**	**0.00**	INR Zero Only
45	**Group A45**	1	Lot			**18.00**		**18.00**	**0.00**	INR Zero Only

FORMAT B1 (CIF)

DETAILS OF BUILT-IN-CIF VALUE OF IMPORT CONTENT *(INDIAN BIDDERS)*

Name of Item :

RFQ No: SPN/ B933-000-XR-MR-0510/176 (Tender ID: 2026_EIL_906510)

NAME OF BIDDER:	

ITEMWISE BREAK-UP OF BUILT-IN-CIF VALUE OF IMPORT CONTENT, ITEM DETAILS OF IMPORT CONTENT AND RATES OF IMPORTS DUTY CONSIDERED AND INCLUDED IN QUOTED SUPPLY PRICE

DESCRIPTION				CIF value of Import Content included in quoted supply prices (INR)		RATE OF CUSTOM DUTY INCLUDED IN QUOTED FOT DESPATCH POINT				
For Item no./ Sl . No. as per price schedule format	Description of Imported items	Unit of Measurement	Qty			HSN CODE AS PER GST	BASIC CUSTOMS DUTY (%)	SOCIAL WELFARE SURCHARGE ON CUSTOMS DUTY (%)	IGST (%)	TOTAL CUSTOM DUTY (%)
				Rate in Figures	Rate in Words					
1	2	3	4	5	6	7	8	9	10	11
TOTAL CIF VALUE										

Note:

1	The CIF Value(s) indicated by the vendor shall be deemed to be the maximum value(s) for the purpose of payment of variation in Basic Custom Duty and Customs Social Welfare Surcharge.
2	Bidder to consider input tax credit of IGST available at their end (in case of import of raw materials / component) in their prices.

FORMAT-B2

SCHEDULE OF PRICE FOR 2 YEARS OPERATION & MAINTENANCE SPARES (FOR INDIAN BIDDERS)

Name of Item : LIGHTING FIXTURE & ACCESSORIES

RFQ No:SPN/ B933-000-XR-MR-0510/176

NAME OF BIDDER:						
Sl. No. as per MR	Description	Currency	Quantity Recommended	Unit of Measure (UOM)	Unit Supply Price on FOT Despatch Point Basis including P&F but excluding GST	Unit Freight Charges upto Project site excluding GST
1	2	3	4	5	7	8
		INR				
		INR				
		INR				
		INR				
		INR				
		INR				
		INR				
		INR				
		INR				

Notes:

1. Vendor shall include in his proposal, his recommended spares for 2 years normal operation, as per MR. Bidder has to fill all the details as sought above.
2. Please be noted that these Prices for 2 years O&M spares shall not be included in base price and these rates shall not be considered for evaluation purpose.
3. The prices quoted for recommended two years operation and maintenance spares shall remain valid upto 2 years validity beyond the contractual completion/delivery period of Order. Order of recommended two years operation and maintenance spares may be placed by BPCL separately, if required.
4. In case Freight charges for above items are not submitted by the bidder, then Freight charges shall be considered as inclusive in the quoted Supply prices for 2 Year Operation and Maintenance Spares."
5. Bidder may add rows, if required w.r.t. submission of Two Years O&M Spares without changing the format.

% BREAK-UP OF TAGS IN THE GROUP				ANNEXURE-B Rev.0
RFQ No:SPN/ B933-000-XR-MR-0510/176				
ITEM : LIGHTING FIXTURE & ACCESSORIES				
Name of Bidder : M/s _____				
ITEM_SL_NO	GROUP_CODE	ITEM_CODE	ITEM_DESC	Breakup Percentage
01.013	A11	SOCKET-1-IIA/IIB	Ex-d, IIA/IIB, T3, 3-Phase Socket, 415V, 125A, 5-Pin	
01.014	A11	PLUG-1-IIA/IIB	Ex-d, IIA/IIB, T3, 3-Phase Plug, 415V, 125A, 5-Pin	
			Total	
01.015	A12	SOCKET-1-IIC	Ex-d, IIC, T3, 3-Phase Socket, 415V, 125A, 5-Pin	
01.016	A12	PLUG-1-IIC	Ex-d, IIC, T3, 3-Phase Plug, 415V, 125A, 5-Pin	
			Total	
01.017	A13	FLP-SOCKET2-IIA/IIB	Ex-d, IIA/IIB, T3, 1-Phase Socket, 240V, 15A, 3-Pin	
01.018	A13	FLP-PLUG-2-IIA/IIB	Ex-d, IIA/IIB, T3, 1-Phase Plug, 240V, 15A, 3-Pin	
			Total	
01.019	A14	FLP-SOCKET-2-IIC	Ex-d, IIC, T3, 3-Phase Socket, 240V, 15A, 3-Pin	
01.020	A14	FLP-PLUG-2-IIC	Ex-d, IIC, T3, 1-Phase Plug, 240V, 15A, 3-Pin	
			Total	
01.047	A39	HANDLAMP-IIC	Ex-d, IIC, T3, 2200 Lumens, 100LM/Watt, 24V LED Hand Lamp with cable & plug	
01.048	A39	TRAFO.-IIA/IIB	Ex-d, IIA/IIB, T3, fixed type 240V/24V, 60VA sealed transformer Unit with 2 nos. 24V AC 3-pin socket	
01.049	A39	TRAFO.-IIC	Ex-d, IIC, T3, fixed type 240/24V, 60VA sealed transformer unit with 2 nos. 24V AC 3-pin socket	
			Total	
01.050	A40	SOCKET-1-IIA/IIB	Ex-d, IIA/IIB, T3, 3-Phase Socket, 415V, 63A, 5-Pin	
01.051	A40	PLUG-1-IIA/IIB	Ex-d, IIA/IIB, T3, 3-Phase Plug, 415V, 63A, 5-Pin	
			Total	
01.052	A41	SOCKET-1-IIC	Ex-d, IIC, T3, 3-Phase Socket, 415V, 63A, 5-Pin	
01.053	A41	PLUG-1-IIC	Ex-d, IIC, T3, 3-Phase Plug, 415V, 63A, 5-Pin	
			Total	

Material Requisition (Top Sheet)

Item Description :	LIGHTING FIXTURE & ACCESSORIES-HAZARDOUS,JUNCTION BOXES (FLAME PROOF),LIGHTING & POWER PANELS (FLP),PLUGS/SOCKETS/HANDLAMPS (FLAME PROOF),FLAMEPROOF POWER DISTRIBUTION BOARD,CONTROL STATIONS-FLAME PROOF		
Item Code :	13GB, 13LA, 13MA, 13MB, 13MC, 13MD	**Destination :**	As per Commercial Documents
Item Category :	I	**Delivery Period :**	As per Commercial Documents

Requisition Number (Always quote this Number given below as reference)

B933	000	XR	MR	510	A
Job No.	**Unit/ Area**	**Main Cost Centre**	**Doc. Code**	**Sr. No.**	**Rev.**

27/02/2026	16	50
Date	**Divn.**	**Dept.**
	Originator	

Notes :

1. This sheet is a record of all the Revisions of this Requisition.
2. Vendor shall note the item category and shall submit his offer in line with the requirements included in attached 'Instructions to Vendors'.
3. The nature of the Revision is briefly stated in the 'Details' column below, the Requisition in its entirety shall be considered for contractual purposes.

Rev.	Date	Prepared By	Checked By	Approved By	Details
A	27/02/2026	Ravi Sarupria	Rashmi Singh Rathaur	Rashmi Singh Rathaur	ISSUED FOR BIDS

This is a system generated approved document and does not require signature.

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Sr. No.	Tag No./Item Code/ [ID.No.]	Description	Quantity	Delivery Location
01.00		Design, engineering, manufacture, procurement of materials and bought out components, assembly at shop, inspection, testing at manufacturer's works, packing, delivery of the following Lighting Fixtures & Accessories, Plug & Sockets, Hand Lamp & Transformer Unit, Junction Boxes, Lighting & Power Panels, MOV Distribution Boards, Local Control Station for motors, Selector Switches, Lamps, including supply of special tools and tackles, & documentation as per the enclosed EIL standard specifications, instructions to vendors, data sheets, wiring diagram etc. and other codes and standards attached or referred.		
01.001 A1	**FLP-LED-1A**	**Ex-d, Zone-2, IIA/IIB,T3, Well Glass*,4000-4500 Lumen,100LM/Watt,LTG fixture & acc with LED lamp**	**3850 No**	
01.002 A2	**FLP-LED-2A**	**Ex-d,Zone-2,IIA/IIB,T3,Well Glass*,6500-7000 Lumen,100LM/Watt,LTG fixture & access. with LED lamp**	**120 No**	
01.003 A3	**FLP-LED-3A**	**Ex-d,Zone-2,IIA/IIB,T3,well glass*,10000-10500lumens,100LM/Watt,LTG fixture & access. with LED lamp**	**45 No**	
01.005 A4	**FLP-LED-5A**	**Ex-d,Zone-2,IIA/IIB,T3,flood light,10000-10500 Lumen,100LM/Watt,LTG fixture & access. with LED lamp**	**90 No**	
01.006 A5	**FLP-LED-6A**	**Ex-d,Zone-2,IIA/IIB,T3,well glass*,4000-4500 Lumen,100LM/Watt,DC LTG fixture & access. with LED lamp**	**63 No**	
01.007 A6	**FLP-LED-1A-IIC**	**Ex-d, Zone-2, IIC,T3, Well Glass*,4000-4500 Lumen,100LM/Watt,LTG fixture & acc with LED lamp**	**425 No**	
01.008 A7	**FLP-LED-2A-IIC**	**Ex-d,Zone-2,IIC,T3,Well Glass*,6500-7000 Lumen,100LM/Watt,LTG fixture & access. with LED lamp**	**22 No**	
01.009 A8	**FLP-LED-3A-IIC**	**Ex-d,Zone-2,IIC,T3,well glass*,10000-10500lumens,100LM/Watt,LTG fixture & access. with LED lamp**	**12 No**	

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Sr. No.		Tag No./Item Code/ [ID.No.]	Description	Quantity	Delivery Location
01.011	A9	FLP-LED-5A-IIC	Ex-d,Zone-2,IIC,T3,flood light,10000-10500 Lumen,100LM/Watt,LTG fixture & access. with LED lamp	15 No	
01.012	A10	FLP-LED-6A-IIC	Ex-d,Zone-2,IIC,T3,well glass*,4000-4500 Lumen,100LM/Watt,DC LTG fixture & access. with LED lamp	10 No	
01.013	A11	SOCKET-1-IIA/IIB	Ex-d, IIA/IIB, T3, 3-Phase Socket, 415V, 125A, 5-Pin	10 No	
01.014	A11	PLUG-1-IIA/IIB	Ex-d, IIA/IIB, T3, 3-Phase Plug, 415V, 125A, 5-Pin	10 No	
01.015	A12	SOCKET-1-IIC	Ex-d, IIC, T3, 3-Phase Socket, 415V, 125A, 5-Pin	2 No	
01.016	A12	PLUG-1-IIC	Ex-d, IIC, T3, 3-Phase Plug, 415V, 125A, 5-Pin	2 No	
01.017	A13	FLP-SOCKET2-IIA/IIB	Ex-d, IIA/IIB, T3, 1-Phase Socket, 240V, 15A, 3-Pin	455 No	
01.018	A13	FLP-PLUG-2-IIA/IIB	Ex-d, IIA/IIB, T3, 1-Phase Plug, 240V, 15A, 3-Pin	455 No	
01.019	A14	FLP-SOCKET-2-IIC	Ex-d, IIC, T3, 3-Phase Socket, 240V, 15A, 3-Pin	45 No	
01.020	A14	FLP-PLUG-2-IIC	Ex-d, IIC, T3, 1-Phase Plug, 240V, 15A, 3-Pin	45 No	
01.021	A15	FLP-JP-3WAY-IIA/IIB	Ex-d, IIA/IIB, T3, 3-way Junction Box suitable for termination of 4Cx2.5 sq.mm. cable	1540 No	
01.022	A16	FLP-JB-3WAY-IIC	Ex-d, IIC, T3, 3-way Junction Box suitable for termination of 4Cx2.5 sq.mm. cable	115 No	
01.023	A17	FLP-JB-4WAY-IIA/IIB	Ex-d, IIA/IIB, T3, 4-way Junction Box suitable for termination of 4Cx2.5 sq.mm. cable	50 No	
01.024	A18	FLP-JB-4WAY-IIC	Ex-d, IIC, T3, 4-way Junction Box suitable for termination of 4Cx2.5 sq.mm. cable	30 No	
01.025	A19	FLP-DCJB-IIA/IIB	Ex-d, IIA/IIB, T3, 220V, 15A DCJB having 20 terminals with 1 no. I/C & 6 nos. O/G	5 No	
01.026	A20	FLP-DCJB-IIC	Ex-d, IIC, T3, 220V, 15A DCJB having 20 terminals with 1 no. I/C & 6 nos. O/G	1 No	
01.027	A21	FLP-LP/PP-6WAY	Ex-d,IIA/IIB,T3 with 1 no. TPN 40A, 4-Pole I/C with MCB & 6 nos. SPN O/G with DP MCB & RCCB	34 No	

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Sr. No.	Tag No./Item Code/ [ID.No.]	Description	Quantity	Delivery Location
▶ 01.028 A22	FLP-LP/PP-12WAY	Ex-d,IIA/IIB,T3 with 1 no. TPN 40A, 4-Pole I/C with MCB & 12 no. SPN O/G with DP MCB & RCCB	76 No	
▶ 01.029 A23	FLP-LP/PP-18WAY	Ex-d,IIA/IIB,T3 with 1 no. 63A, 4-Pole I/C with MCB & 18 no. SPN O/G with DP MCB & RCCB	14 No	
▶ 01.030 A24	FLP-LP/PP-6WAY-IIC	Ex-d,IIC, T3 with 1 no. TPN 40A, 4-Pole I/C with MCB & 6 nos. SPN O/G with DP MCB & RCCB	5 No	
▶ 01.031 A25	FLP-LP/PP-12WAY-IIC	Ex-d,IIC, T3 with 1 no. TPN 40A, 4-Pole I/C with MCB & 12 no. SPN O/G with DP MCB & RCCB	10 No	
▶ 01.032 A26	FLP-LP/PP-18WAY-IIC	Ex-d,IIC, T3 with 1 no. TPN 63A, 4-Pole I/C with MCB & 18 no. SPN O/G with DP MCB & RCCB	2 No	
▶ 01.033 A27	FLP-MOVDB-IIA/IIB	Ex-d,MOV DB,IIA/IIB,T3 as per doc(DS-0703)with 2 no. marshalling box each with 100 no. terminal	19 No	
▶ 01.034 A28	CLOSE-PB-INSTT	Ex-d, Zone-1, IIC, IP-65, close push button (24V DC, 2A) with 2NO+2NC, RED, Push to Break	89 No	
▶ 01.035 A29	PB STN-INSTT	Ex-d, Zone-1, IIC, OPEN & CLOSE PB, Green & Red, (24V DC, 2A), each2NO+2NC, Push to Make	42 No	
▶ 01.036 A30	LAMP STN-INSTT	Ex-d, Zone-1, IIC, IP-65, Open & Close, Cluster LED Lamp, Green & Red	36 No	
▶ 01.037 A31	PB-LAMP-INSTT	Ex-d, Zone-1, IIC, IP-65, Open & Close PB Push to make & break, Open & Close Lamp (24V DC, 2A)	20 No	
▶ 01.038 A32	OPEN-PB-INSTT	Ex-d, Zone-1, IIC, IP-65, open push button (24V DC, 2A) with 2NO+2NC, Green, push to make	10 No	
▶ 01.039 A33	FMR-PB-INSTT	Ex-d, Zone-1, IP-65, Green FMR Push Button, (24V, 2A), 2NO+2NC, Momentary Type	74 No	
▶ 01.040 A34	ESD-PB-RED-INST	Ex-d, Zone-1, IIC, IP-65, ESD PB, RED, (24V DC, 2A), 2NO+2NC, Stay put Type	28 No	
▶ 01.043 A35	FLP-LCS-IIA/IIB	Ex-d, IIA/IIB, T3, LCS with start & stop push button, A-O-M switch & ammeter	156 No	
▶ 01.044 A36	FLP-LCS-IIC	Ex-d, IIC, T3, LCS for motor with start & stop push button, A-O-M switch & ammeter	8 No	

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Sr. No.		Tag No./Item Code/ [ID.No.]	Description	Quantity	Delivery Location
▶ **01.045**	A37	**FLP-HYDROBLAST DB1**	**Ex-d,TPN,415V,400A Hydroblast DB,IIA/IIB,T3,MCCB at I/C with LED lamp, CBCT+ELR, ammeter & voltmeter**	**10 Nos**	
▶ **01.046**	A38	**FLP-AV-IIA/IIB**	**Ex-d,IIA/IIB/IIC,T3, aviation light,15 Watt,240V,RED LED (twintype) medium intensity flashing type**	**45 Nos**	
▶ **01.047**	A39	**HANDLAMP-IIC**	**Ex-d, IIC, T3, 2200 Lumens, 100LM/Watt, 24V LED Hand Lamp with cable & plug**	**60 Nos**	
▶ **01.048**	A39	**TRAFO.-IIA/IIB**	**Ex-d, IIA/IIB, T3, fixed type 240V/24V, 60VA sealed transformer Unit with 2 nos. 24V AC 3-pin socket**	**175 Nos**	
▶ **01.049**	A39	**TRAFO.-IIC**	**Ex-d, IIC, T3, fixed type 240/24V, 60VA sealed transformer unit with 2 nos. 24V AC 3-pin socket**	**21 Nos**	
▶ **01.050**	A40	**SOCKET-1-IIA/IIB**	**Ex-d, IIA/IIB, T3, 3-Phase Socket, 415V, 63A, 5-Pin**	**45 Nos**	
▶ **01.051**	A40	**PLUG-1-IIA/IIB**	**Ex-d, IIA/IIB, T3, 3-Phase Plug, 415V, 63A, 5-Pin**	**45 Nos**	
▶ **01.052**	A41	**SOCKET-1-IIC**	**Ex-d, IIC, T3, 3-Phase Socket, 415V, 63A, 5-Pin**	**6 Nos**	
▶ **01.053**	A41	**PLUG-1-IIC**	**Ex-d, IIC, T3, 3-Phase Plug, 415V, 63A, 5-Pin**	**6 Nos**	
▶ **01.054**	A42	**PAJB-1-IIA/IIB**	**Ex-d,IIA/IIB,T3,Plant Comm. JB for 1x30Px0.9mm. dia. I/C & 6x5Px0.9 mm. dia. O/G, Krone terminals**	**3 Nos**	
▶ **01.055**	A43	**PAJB-2-IIA/IIB**	**Ex-d,IIA/IIB,T3,Plant Comm. JB for 1x20Px0.9mm. dia. I/C & 4x5Px0.9 mm. dia. O/G Krone Terminal**	**4 Nos**	
▶ **01.058**	A44	**TDJB-1-IIA/IIB**	**Ex-d,IIA/IIB,T3,Telephone JB for 1x10Px0.63 mm. dia. I/C & 5x2Px0.63 mm. dia. O/G, Krone terminals**	**3 Nos**	
▶ **01.059**	A45	**TDJB-2-IIC**	**Ex-d,IIC,T3,Telephone JB for 1x10Px0.63 mm. dia. I/C & 5x2Px0.63 mm. dia. O/G. Krone terminals**	**1 Nos**	
02.00			Deleted		
03.00			Transportation from Vendors work/ shop to site for the following as per the enclosed EIL standard specifications, instructions to vendors, job specification, data sheets etc		
▶ **03.001**	A1	**{03}FLP-LED-1A**	**For Item SL. No. 01.001**	**3850 No**	
▶ **03.002**	A2	**{03}FLP-LED-2A**	**For Item SL. No. 01.002**	**120 No**	

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Sr. No.		Tag No./Item Code/ [ID.No.]	Description	Quantity	Delivery Location
03.003	A3	{03}FLP-LED-3A	For Item SL. No. 01.003	45 No	
03.005	A4	{03}FLP-LED-5A	For Item SL. No. 01.005	90 No	
03.006	A5	{03}FLP-LED-6A	For Item SL. No. 01.006	63 No	
03.007	A6	{03}FLP-LED-1A-IIC	For Item SL. No. 01.007	425 No	
03.008	A7	{03}FLP-LED-2A-IIC	For Item SL. No. 01.008	22 No	
03.009	A8	{03}FLP-LED-3A-IIC	For Item SL. No. 01.009	12 No	
03.011	A9	{03}FLP-LED-5A-IIC	For Item SL. No. 01.011	15 No	
03.012	A10	{03}FLP-LED-6A-IIC	For Item SL. No. 01.012	10 No	
03.013	A11	{03}SOCKET-1-IIA/IIB	For Item SL. No. 01.013	10 No	
03.014	A11	{03}PLUG-1-IIA/IIB	For Item SL. No. 01.014	10 No	
03.015	A12	{03}SOCKET-1-IIC	For Item SL. No. 01.015	2 No	
03.016	A12	{03}PLUG-1-IIC	For Item SL. No. 01.016	2 No	
03.017	A13	{03}FLP-SOCKET2-IIA/IIB	For Item SL. No. 01.017	455 No	
03.018	A13	{03}FLP-PLUG-2-IIA/IIB	For Item SL. No. 01.018	455 No	
03.019	A14	{03}FLP-SOCKET-2-IIC	For Item SL. No. 01.019	45 No	
03.020	A14	{03}FLP-PLUG-2-IIC	For Item SL. No. 01.020	45 No	
03.021	A15	{03}FLP-JP-3WAY-IIA/IIB	For Item SL. No. 01.021	1540 No	
03.022	A16	{03}FLP-JB-3WAY-IIC	For Item SL. No. 01.022	115 No	
03.023	A17	{03}FLP-JB-4WAY-IIA/IIB	For Item SL. No. 01.023	50 No	
03.024	A18	{03}FLP-JB-4WAY-IIC	For Item SL. No. 01.024	30 No	
03.025	A19	{03}FLP-DCJB-IIA/IIB	For Item SL. No. 01.025	5 No	
03.026	A20	{03}FLP-DCJB-IIC	For Item SL. No. 01.026	1 No	
03.027	A21	{03}FLP-LP/PP-6WAY	For Item SL. No. 01.027	34 No	
03.028	A22	{03}FLP-LP/PP-12WAY	For Item SL. No. 01.028	76 No	
03.029	A23	{03}FLP-LP/PP-18WAY	For Item SL. No. 01.029	14 No	
03.030	A24	{03}FLP-LP/PP-6WAY-IIC	For Item SL. No. 01.030	5 No	
03.031	A25	{03}FLP-LP/PP-12WAY-IIC	For Item SL. No. 01.031	10 No	

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Sr. No.	Tag No./Item Code/ [ID.No.]	Description	Quantity	Delivery Location
▶ **03.032** A26	**{03}FLP-LP/PP-18WAY-IIC**	**For Item SL. No. 01.032**	**2 No**	
▶ **03.033** A27	**{03}FLP-MOVDB-IIA/IIB**	**For Item SL. No. 01.033**	**19 No**	
▶ **03.034** A28	**{03}CLOSE-PB-INSTT**	**For Item SL. No. 01.034**	**89 No**	
▶ **03.035** A29	**{03}PB STN-INSTT**	**For Item SL. No. 01.035**	**42 No**	
▶ **03.036** A30	**{03}LAMP STN-INSTT**	**For Item SL. No. 01.036**	**36 No**	
▶ **03.037** A31	**{03}PB-LAMP-INSTT**	**For Item SL. No. 01.037**	**20 No**	
▶ **03.038** A32	**{03}OPEN-PB-INSTT**	**For Item SL. No. 01.038**	**10 No**	
▶ **03.039** A33	**{03}FMR-PB-INSTT**	**For Item SL. No. 01.039**	**74 No**	
▶ **03.040** A34	**{03}ESD-PB-RED-INST**	**For Item SL. No. 01.040**	**28 No**	
▶ **03.043** A35	**{03}FLP-LCS-IIA/IIB**	**For Item SL. No. 01.043**	**156 No**	
▶ **03.044** A36	**{03}FLP-LCS-IIC**	**For Item SL. No. 01.044**	**8 No**	
▶ **03.045** A37	**{03}FLP-HYDROBLAST DB1**	**For Item Sl. No. 01.045**	**10 No**	
▶ **03.046** A38	**{03}FLP-AV-IIA/IIB**	**For Item Sl. No. 01.046**	**45 No**	
▶ **03.047** A39	**{03}HANDLAMP-IIC**	**For Item Sl. No. 01.047**	**60 No**	
▶ **03.048** A39	**{03}TRAFO.-IIA/IIB**	**For Item Sl. No. 01.048**	**175 No**	
▶ **03.049** A39	**{03}TRAFO.-IIC**	**For Item Sl. No. 01.049**	**21 No**	
▶ **03.050** A40	**{03}SOCKET-1-IIA/IIB**	**For Item Sl. No. 01.050**	**45 No**	
▶ **03.051** A40	**{03}PLUG-1-IIA/IIB**	**For Item Sl. No. 01.051**	**45 No**	
▶ **03.052** A41	**{03}SOCKET-1-IIC**	**For Item Sl. No. 01.052**	**6 No**	
▶ **03.053** A41	**{03}PLUG-1-IIC**	**For Item Sl. No. 01.053**	**6 No**	
▶ **03.054** A42	**{03}PAJB-1-IIA/IIB**	**For Item Sl. No. 01.054**	**3 No**	
▶ **03.055** A43	**{03}PAJB-2-IIA/IIB**	**For Item Sl. No. 01.055**	**4 No**	
▶ **03.058** A44	**{03}TDJB-1-IIA/IIB**	**For Item Sl. No. 01.058**	**3 No**	
▶ **03.059** A45	**{03}TDJB-2-IIC**	**For Item Sl. No. 01.059**	**1 No**	
04.00		Deleted		
05.00		Two Years Operation and Maintenance Spares		
05.001		**Supply of Two Years Operation and Maintenance Spares, as per enclosed instructions to vendor**	**1 UNIT**	
06.00		Unit Rates for addition/ deletion		

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Sr. No.	Tag No./Item Code/ [ID.No.]	Description	Quantity	Delivery Location
06.001		**Unit Rates of items for addition/ deletion purpose, as per the Note-1 of General Notes.**	**1 UNIT**	
07.00		Deleted		
08.00		Deleted		
09.00		Drawings and documents as per attached Vendor Data requirement for all supplies and services covered above in Sr.Nos.1.00 to Sr.No.8.00	Lot	
10.00		Deleted		
11.00		Deleted		
12.00		Deleted		
13.00		Deleted		
14.00		Deleted		
15.00		Deleted		
16.00		Deleted		
17.00		Deleted		
18.00		Deleted		
19.00		Deleted		
20.00		Deleted		
21.00		Deleted		
22.00		Deleted		
23.00		Deleted		
24.00		Deleted		
25.00		Deleted		
31.00		Deleted		
32.00		Deleted		

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- Bidder shall quote prices in EIL Price Schedule except for Sr.No.09.00. Price for documentation is implied to be included in the prices quoted against Sr.No. 01.00 to Sr.No. 32.00

  Vendor to note that the numbers given in square '[]' and curly '{}' brackets are not for their use and meant for store purpose only. Items shall be tagged as per main equipment Tag No. only.

  Note:
  Bidder to note that one fixed price is to be quoted for grouped items. The groups of items are identified by A1, A10, A11, A12, A13, A14, A15, A16, A17, A18, A19, A2, A20, A21, A22, A23, A24, A25, A26, A27, A28, A29, A3, A30, A31, A32, A33, A34, A35, A36, A37, A38, A39, A4, A40, A41, A42, A43, A44, A45, A5, A6, A7, A8, A9, where A1 indicates one group and so on.
  Grouped items shall not be split ordered.

Other Remarks	
General Remarks	
1.	The rates quoted against items shall be applicable for addition/deletion of quantity at the time of order placement. These rates shall also remain valid for repeat ordering of quantity during post order stage as per commercial part of RFQ.
2.	FLP implies FLAMPE PROOF.
3.	PB implies PUSH BUTTON
4.	WP indicates WEATHER PROOF in construction.
5.	Well glass *: FLP LED well glass fixture can be offered in the following configurations: a. Conventional well glass type with wire guard b. Dome glass type with wire guard Further following shall be ensure: -Glass shall be toughened type (impact test certificate shall be furnished by bidder) -Wire guard protection shall be provided. Wire guard shall be SS-304 material. -Lens in lieu of glass is not acceptable. However, lens & glass combination is acceptable. Lens shall be anti glare type.
6.	LP & PP implies LIGHTING PANEL & POWER PANEL.
7.	LED lamp shall be selected based on the range of lumen value as indicated & corresponding efficacy value (lumen/watt).
8.	Luminuous flux in lumens mentioned is the minimum to maximum range of the lumen output of the fixture. Lumen output of LED lamp shall be decided accordingly.
9.	A-O-M indicates AUTO-OFF-MANUAL Selector switch.
10.	LED fixtures shall be complete with lamps, drivers, all accessories and associated junction boxes for loop in loop out & fixture wiring.
11.	In MR item no. 01.001 to 01.012, Luminous flux in lumens mentioned is the minimum to maximum range of the lumen output of the FIXTURE. Lumen output of the LED Lamp shall be decided accordingly.
12.	In MR item no. 01.001 to 01.012, efficacy specified as 100 lumen/watt is the minimum luminous efficacy of the FIXTURE. LED Lamp efficacy shall be decided accordingly.

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List of Attachments						
Sr. No.	**Document Title**	**Document No.**	**Revision**			
			Rev.	**Rev.**	**Rev.**	**Rev.**
			Date	**Date**	**Date**	**Date**
Datasheet						
1.	Data sheet for Flame proof MOV Distribution Board	B957-000-16-50-DS-0703	B	A		
			26/02/2026	26/08/2025		
2.	Data sheet for flame proof lighting & power panel	B957-000-16-50-DS-0801	B	A		
			26/02/2026	06/11/2024		
3.	Lighting Fixture Schedule	B957-000-16-50-DS-1001	B	A`		
			19/06/2025	04/02/2025		
4.	Hardware data sheet for Hydroblasting Panel	B957-000-16-50-DS-9904	B	A		
			24/02/2026	11/02/2026		
Inspection						
5.	Inspection and test plan for flameproof control stations	6-81-1006	4			
			14/01/2020			
6.	Inspection and test plan for flameproof plugs, sockets and hand lamps	6-81-1021	3			
			22/05/2020			
7.	Inspection and test plan for hazardous area lighting fixture and junction boxes	6-81-1061	4			
			20/05/2020			
8.	Inspection and test plan for flameproof lighting and power panels	6-81-1008	3			
			14/01/2020			
Instructions To Vendors						
9.	Instructions to Vendor	B933-000-16-50-TR-0510	A			
			11/02/2026			
Specification						
10.	Specification for flamerpoof control stations	6-51-0006	6			
			29/09/2020			
11.	Specification for flame proof lighting & power panel	6-51-0008	6			
			22/03/2021			
12.	Specification for flame proof plugs, sockets & handlamps	6-51-0021	6			
			31/08/2020			
13.	Specification for flame proof area lighting fixtures & junction boxes	6-51-0061	6			
			23/12/2020			
14.	Specification for quality management system requirements from bidders	6-78-0001	2			
			12/06/2020			
15.	Specification for documentation requirements from supplier	6-78-0003	2			
			12/06/2020			

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List of Attachments						
Sr. No.	**Document Title**	**Document No.**	**Revision**			
			Rev.	**Rev.**	**Rev.**	**Rev.**
			Date	**Date**	**Date**	**Date**
16.	Specification for flameproof power distribution boards	6-51-0007	0			
			31/03/2022			
Standard						
17.	Typical installation of hazardous area well glass / dome glass / flat glass lighting fixture	7-51-0221	5			
			26/02/2018			
18.	Typical installation of flood light fixture	7-51-0223	5			
			22/02/2018			
19.	Typical installation of flame proof lighting / power panel	7-51-0225	5			
			16/12/2018			
Vendor Data Requirements						
20.	Vendor data requirement	B933-000-16-50-VR-05 10	A`			
			26/02/2026			
Vendor List						
21.	Vendor list	B933-000-16-50-VL-05 10	A			
			12/02/2026			

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VENDOR DATA REQUIREMENTS
FOR
HAZARDOUS AREA BULK ELECTRICAL ITEMS

Rev. No.	Date	Purpose	Prepared by	Checked by	Approved by
A	26-FEB-2026	ISSUED WITH MR	RS	RSR	RSR`

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VENDOR DATA REQUIREMENTS

The following drawings/documents marked "✔" shall be furnished by the bidder.

LOCAL CONTROL STATION

S. NO.	DESCRIPTION	WITH BID	POST ORDER			REMARKS
			FOR REVIEW	FOR RECORD	WITH DATA BOOK (FINAL)	
1.	Schedule of Vendor Documents		✔		✔	
2.	Dimensional/Assembly Drawings : GA Drawings (For control station and canopy)		✔		✔	
3.	Dimensional/Assembly Drawings : Installation and mounting details			✔	✔	
4.	Wiring Diagram And Terminal Details			✔	✔	
5.	Type Test Certificate from Independent Test Lab			✔	✔	
6.	Statutory approval certificate			✔	✔	
7.	BIS Licence			✔	✔	
8.	List of Maintenance Spares			✔	✔	
9.	List of Special Tools & Tackles			✔	✔	
10.	Inspection & Test Plan (ITP) -For review by Inspection Dept.		✔		✔	*Refer Note-'*'*
11.	Test Records				✔	
12.	Data Books/ Manuals : Installation Manual				✔	
13.	Data Books/ Manuals : Operating/ Maintenance Manual				✔	
14.	Data Books/ Manuals : Catalogues/ Brochures				✔	
15.	Equipment storage procedure at site				✔	

LIGHTING & POWER PANEL

S. NO.	DESCRIPTION	WITH BID	POST ORDER			REMARKS
			FOR REVIEW	FOR RECORD	WITH DATA BOOK (FINAL)	
1.	Schedule of Vendor Documents		✔		✔	
2.	Data Sheets (Duly filled-in)			✔	✔	
3.	Dimensional Drawings : G.A. Drawing			✔	✔	
4.	Dimensional Drawings : Crossectional view			✔	✔	
5.	Dimensional Drawings : Cable gland, sealing plug drawings			✔	✔	
6.	Dimensional Drawings : Terminal details, wiring diagram			✔	✔	

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S. NO.	DESCRIPTION	WITH BID	POST ORDER			REMARKS
			FOR REVIEW	FOR RECORD	WITH DATA BOOK (FINAL)	
7.	Test Records			✔	✔	
8.	Inspection & Test Plan (ITP) -For review by Inspection Dept.		✔		✔	*Refer Note-'*'*
9.	Type Test Certificate from Independent Test Lab			✔	✔	
10.	Statutory approval certificate			✔	✔	
11.	BIS Licence			✔	✔	
12.	List of spares			✔	✔	
13.	List of Special Tools & Tackles			✔	✔	
14.	Data Books/ Manuals : Installation Manual				✔	
15.	Data Books/ Manuals : Operating/ Maintenance Manual				✔	
16.	Data Books/ Manuals : Catalogues/ Brochures				✔	
17.	Equipment storage procedure at site				✔	

PLUG, SOCKETS & HAND LAMPS

S. NO.	DESCRIPTION	WITH BID	POST ORDER			REMARKS
			FOR REVIEW	FOR RECORD	WITH DATA BOOK (FINAL)	
1.	Schedule of Vendor Documents		✔		✔	
2.	Dimensional/Assembly Drawings : GA Drawings			✔	✔	
3.	Dimensional/Assembly Drawings : Installation and mounting details			✔	✔	
4.	Wiring Diagram And Terminal Details			✔	✔	
5.	Type Test Certificate from Independent Test Lab			✔	✔	
6.	Statutory approval certificate			✔	✔	
7.	BIS Licence			✔	✔	
8.	List of spares			✔	✔	
9.	List of Special Tools & Tackles			✔	✔	
10.	Test Records			✔	✔	
11.	Inspection & Test Plan (ITP) -For review by Inspection Dept.		✔		✔	*Refer Note-'*'*
12.	Data Books/ Manuals : Installation Manual				✔	
13.	Data Books/ Manuals : Operating/ Maintenance Manual				✔	
14.	Data Books/ Manuals : Catalogues/ Brochures				✔	
15.	Equipment storage procedure at site				✔	

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LIGHT FITTINGS

S. NO.	DESCRIPTION	WITH BID	POST ORDER			REMARKS
			FOR REVIEW	FOR RECORD	WITH DATA BOOK (FINAL)	
1.	Schedule of Vendor Documents		✔		✔	
2.	Dimensional/Assembly Drawings : GA Drawings			✔	✔	
3.	Dimensional/Assembly Drawings : Installation Plan/Mounting Details			✔	✔	
4.	Dimensional/Assembly Drawings : Terminal Box Arrangement			✔	✔	
5.	Performance Curves : Polar Curves For Each Type Of Fixture			✔	✔	
6.	Performance Curves : Photomatric Data For Each Type Of Fixture			✔	✔	
7.	Test Records			✔	✔	
8.	Inspection & Test Plan (ITP) -For review by Inspection Dept.		✔		✔	*Refer Note-'*'*
9.	Statutory approval certificate			✔	✔	
10.	Type Test Certificate from Independent Test Lab			✔	✔	
11.	List of Commissioning Spares			✔		
12.	List of Maintenance Spares			✔		
13.	List of Special Tools & Tackles			✔		
14.	Data Books/ Manuals : Installation Manual				✔	
15.	Data Books/ Manuals : Operating/ Maintenance Manual				✔	
16.	Data Books/ Manuals : Catalogues/ Brochures				✔	
17.	Equipment storage procedure at site				✔	

MOV DB

S. NO.	DESCRIPTION	WITH BID	POST ORDER			REMARKS
			FOR REVIEW	FOR RECORD	WITH DATA BOOK (FINAL)	
1.	Schedule of Vendor Documents		✔			
2.	Confirmation of Technical Compliance					
3.	Data Sheets (Duly filled-in)		✔		✔	
4.	Dimensional/Assembly Drawings : GA Drawings		✔		✔	
5.	Dimensional/Assembly Drawings : Installation Plan/Mounting Details			✔	✔	

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S. NO.	DESCRIPTION	WITH BID	POST ORDER			REMARKS
			FOR REVIEW	FOR RECORD	WITH DATA BOOK (FINAL)	
6.	Dimensional/Assembly Drawings : Cross Sectional View			✔	✔	
7.	Dimensional/Assembly Drawings : Bus Duct GA Drawing					
8.	Dimensional/Assembly Drawings : Bus Duct Termination Drawing					
9.	Dimensional/Assembly Drawings : Cubicle Arrangement Drawing			✔	✔	
10.	Dimensional/Assembly Drawings : Name Plate Drawing			✔	✔	
11.	Dimensional/Assembly Drawings : GA drawing of Data Concentrator, HMI					
12.	Electrical Wiring Drawings : Single Line Diagram		✔		✔	
13.	Electrical Wiring Drawings : Block and Logic Diagrams					
14.	Electrical Wiring Drawings : Control Schematics			✔	✔	
15.	Electrical Wiring Drawings : Wiring Diagram and Terminal Details			✔	✔	
16.	Electrical Wiring Drawings : Interpanel Wiring Diagram			✔	✔	
17.	Electrical Wiring Drawings : System Architecture					
18.	Bill Of Material			✔	✔	
19.	Relay Characteristic Curve					
20.	Auxiliary Power Requirement Data (AC & DC)					
21.	Test Records			✔	✔	
22.	Inspection & Test Plan (ITP) -For review by Inspection Dept.		✔		✔	
23.	Type Test Certificate for Panel			✔	✔	
24.	List of Commissioning Spares			✔	✔	
25.	List of Maintenance Spares			✔	✔	
26.	List of Mandatory Spares					
27.	List of Special Tools & Tackles			✔	✔	
28.	Data Books/ Manuals : Installation Manual					
29.	Data Books/ Manuals : Operating/ Maintenance Manual					
30.	Data Books/ Manuals : Catalogues/ Brochures					
31.	Relay Parameterisation					
32.	Data Mapping Details					
33.	ECS I/O List					

Notes :

1. "TICK" denotes applicability.
2. Post order, drawing / document review shall commence only after approval of Document Control Index (DCI).

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3. All post order documents shall be submitted / approved through EIL eDMS portal.
4. Final documentation shall be submitted in hard copy (Six prints) and soft (two CDs/DVDs) in addition to submission through EIL eDMS.
5. Refer - 6-78-0001: Specification for quality management system from Bidders.
6. Refer - 6-78-0003: Specification for documentation requirement from Suppliers.
7. All drawings & documents shall be submitted in A4 or A3 paper sizes. Documents in higher paper size shall be submitted in exceptional circumstances or as indicated in the MR/Tender.
8. Post order- The schedule of drawing / data submission shall be mutually agreed between EIL & the bidder / contractor / supplier during finalization of Document Control Index (DCI).
9. "@" indicates submission of documents to Inspection Agency.
10. Bill of Material shall form part of the respective drawing.
11. Also refer other department's VDR :-
12. '*' indicates the following:
a. Equipments whose ITP is attached with Contract -ITP for respective equipment shall be followed. Therefore, no ITP is to be furnished for review for those equipments.
b. Equipments whose ITP is not attached with Contract-Manufacturer's ITP shall be submitted by Packager/ Vendor/Contractor to respective Regional Procurement Office (RPO) near to manufacturer's works for approval by EIL Inspection.

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PURCHASER'S DATA

	Project:	**BPREP**		**Location**	**BINA, MP**
	Client	**BPCL**		**Unit**	**BPREP**
A	**Site conditions**				
1	Maximum ambient temperature:	48 °C	4	Relative humidity:	86 %
2	Minimum ambient temperature:	1.1 °C	5	Altitude above MSL (mm):	Less than 1000
3	Design ambient temperature:	45 °C	6	Environment:	Hot, Humid & corrosive
B	**Technical particulars**				
1	Area classification	Zone-1/ Zone-2	9	Earthing Terminals	10mmϕ stud (External-2nos, Internal-1no.)
2	Type of panel enclosure	Flameproof, Ex'd'	10	Incoming supply	415 V, 50 Hz, TPN (2 Nos.)
3	Gas group	Refer Job specification	11	Outgoing supply	415 V, 50 Hz, TP (* nos.)
4	Surface temperature	T3	12	Incomer feeder rating	125A TPN MCCB- O/C, S/C & E/F
5	Degree of ingress protection	IP-55	13	Outgoing feeder rating	TP 32A MCCB- O/C, S/C & E/F
6	Cable entry	Bottom	14	Short cut capacity	50kA (1sec)
7	Panel mounting	Floor/ Pedestal	15	Applicable standard	EIL std. 6-51-0007
8	Exterior painting	RAL-7031	16	Type test	Required
9	Interior painting	RAL-7031	17	Canopy	Required
			18	Control JB	2 Nos

MANUFACTURER'S DATA

	Equipment	MOV DISTRIBUTION BOARD - * WAY (refer Job specification)		
1	MR item no.			
2	Explosion protection class			
3	Tag no.			
4	Type reference no.			
5	Ref. No. & date of CMRI/ other test certificates of recognized test authority			
6	Ref. No. & date of CCE approval certificates			
7	Ref. No. & date of DGFASLI approval certificates			
8	Ref. No. & date of DGMS approval certificates			
9	BIS license no. date			
10	Dimension L x D x H (mm)			
11	Weight (kg)			

Notes:

1) Voltmeter and Voltage Selector switch (VSS) shall be provided in each Incomer of each Distribution board.
2) Ammeter & ammeter selector switch (ASS) shall be provided in each incomer of each Distribution board.
3) For other details (*) refer job specification.

Rev.	Date	Purpose	Prepared	Checked	Approved
B	26.02.2026	REVISED & ISSUED WITH MR/TENDER	RS	RSR	RSR
A	26.08.2025	ISSUED WITH MR/TENDER	SK	RSR	RSR

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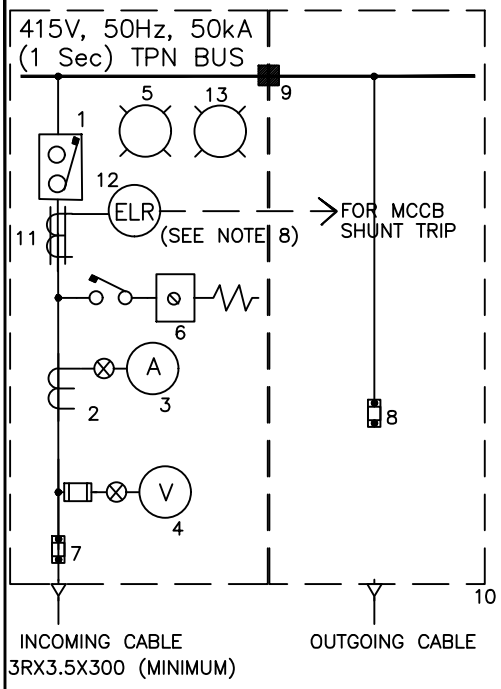
PROJECT: BPREP PROJECT

CLIENT: M/S BPCL – BINA

REV	DATE	PURPOSE	BY	CHKD	APPRV
A	25.11.2024	ISSUED WITH MR/TENDER	SK	MKM	RSR
B	24.02.2026	REVISED & ISSUED WITH MR	RS	RSR	RSR



EQUIPMENT DATA FOR INCOMER

ITEM NO.	NEMA NO.	QTY.	DESCRIPTION
1	–	1	MCCB WITH SC & O/C RELEASE
2	–	3	METERING CT, CL–1, 10VA
3	–	1	AMMETER WITH 4WAY SELECTOR SWITCH.
4	–	1	VOLTMETER WITH 4WAY SELECTOR SWITCH & FUSE
5	–	3	R Y B INDICATING LAMPS – LED TYPE
6	–	1	PANEL SPACE HEATER WITH MCB AND THERMOSTAT
7	–	AS REQ	TERMINAL BLOCKS SUITABLE FOR INCOMING CABLES
8	–	AS REQ	TERMINAL BLOCKS SUITABLE FOR OUTGOING CABLES
9	–	AS REQ	CONNECTION & SEALING BETWEEN THE ENCLOUSERS
10	–	AS REQ	FLP & WP ENCLOUSER SUITABLE FOR GAS GR. IIA/IIB/IIC & TEMP. CLASS T3
11	–	1	CORE BALANCE CURRENT TRANSFORMER
12	–	1	EARTH LEAKAGE RELAY SETTING RANGE (1–16%) WITH BUILT–IN TIMER
13	–	2	MCCB TRIP & MCCB ON

NOTES

1. THE ONE LINE DIAGRAM SHOWN ABOVE IS ONLY INDICATIVE. ALL THE ITEMS SPECIFIED UNDER "EQUIPMENT DATA" SHALL BE IN CONTRACTOR'S SCOPE.
2. DOUBLE COMPRESSION FLAMEPROOF CABLE GLANDS (AS PER IEC:60079–1) FOR INCOMING CABLE SHALL BE SUPPLIED WITH THE PANEL.
3. FOR OUTGOING CABLES IN ADDITION TO SUITABLY SIZED DOUBLE COMPRESSION FLAMEPROOF CABLE GLANDS (AS PER IEC:60079–1), BLANKING PLUGS OF SIMILAR SIZE AND SUITABLE FOR THE SAME HAZARDOUS AREA SHALL ALSO BE SUPPLIED.
4. THE HYDRO BLASTING PANEL SHALL BE PROVIDED WITH CANOPY AND SHALL BE OF FREE STANDING TYPE WITH CABLE ENTRY/EXIT FROM BOTTOM.
5. MCCB, VOLTMETER, AMMETER, INDICATING LAMPS, CBCT, ELR ETC. SHALL BE PROVIDED IN ONE ENCLOSURE WITH SPACE FOR TERMINATION OF INCOMING CABLE AS MARKED ABOVE.
6. TERMINAL BLOCK FOR OUTGOING CABLES SHALL BE PROVIDED IN SEPARATE ENCLOSURE SO THAT WITH THE SWITCH IN OFF CONDITION, THE SEPARATE ENCLOSURE FOR OUTGOING CABLES IS COMPLETELY DE–ENERGISED.
7. CONNECTION BETWEEN THE TWO ENCLOSURES SHALL BE SEALED AGAINST ENTRY OF GASSES FROM ONE ENCLOSURE TO THE OTHER.
8. ELR POWER SUPPLY SHALL BE SUITABLE FOR INCOMING VOLTAGE 415/240V.

ENGINEERS INDIA LIMITED
NEW DELHI

HYDRO BLASTING POWER PANEL
HARDWARE DETAILS
INCOMER & OUTGOING

DRAWING NO. B957–000–16–50–DS–9904

REV B

Project	Overall Project Management as MPMC and PMC/EPCM Services for Ethylene Cracker Unit and U&O for BPREP		**Client**	BPCL	
Unit	Bulk Procurement	**Location**	**Job No.**	B957	**Unit No.** 000

PURCHASER'S DATA

A.	**Site Conditions**		
1.	Maximum Ambient Temperature	°C	48
2.	Minimum Ambient Temperature	°C	1.1
3.	Design Ambient Temperature	°C	45
4.	Relative Humidity	%	86
5.	Altitude Above MSL	mm	<1000
6.	Environment		Hot, humid & corrosive
B.	**Technical particulars**		
1.	Area classification		Zone-1/Zone-2
2.	Type of panel enclosure		Refer job specification
3.	Gas group		Refer job specification
4.	Surface temperature		Refer job specification
5.	Degree of ingress protection		IP 55
6.	Cable entry		Bottom
7.	Panel Mounting		wall/column/pedestal
8.	Exterior painting		RAL 7031
9.	Interior painting		EIL Spec 6-51-0008
10.	Earthing Terminals		10mm¿ stud (External-2nos,Internal-1no.)
11.	Incoming supply		415V ± 10%, 50 HZ ± 5% , TPN
12.	Outgoing supply		240V ± 10%, 50 HZ ± 5% , SPN
13.	Incomer feeder rating		4 pole, 40A MCB
14.	Outgoing feeder rating		MCB & RCCB, 2 pole, 16A, 30mA
15.	Short Circuit capacity-MCB/ELCB		9 kA (M9 Category)
16.	Applicable standard		EIL std. 6-51-0008
17.	Type test		Required

MANUFACTURER'S DATA

	Equipment.	LP ---ways	LP ---ways	LP ---ways	PP ---ways	PP ---ways	PP ---ways	PP ---ways	PP ---ways
1.	MR item no.								
2.	Explosion protection class								
3.	Tag no.								
4.	Type reference no.								
5.	Ref. No. & date of CIMFR/ other test certificates of recognised test authority								
6.	Ref. No. & date of CCE/PESO approval certificates								
7.	Ref. No. & date of DGFASLI approval certificates								
8.	Ref. No. & date of DGMS approval certificates								
9.	BIS license no. date								
10.	Dimension L x D x H (mm)								
11.	Weight (kg)								

Rev. No.	Date	Purpose	Prepared By	Reviewed By	Approved By
B	27-FEB-2026	ISSUED WITH MR	RASHMI SINGH RATHAUR	RASHMI SINGH RATHAUR	RASHMI SINGH RATHAUR
A	06-NOV-2024	ISSUED WITH MR/TENDER	KANUGUTTA SUMITH	RASHMI SINGH RATHAUR	RASHMI SINGH RATHAUR

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Project	Overall Project Management as MPMC and PMC/EPCM Services for Ethylene Cracker Unit and U&O for BPREP	**Client**	BPCL		
Unit	Bulk Procurement	**Location**		**Job No.**	B957	**Unit No.**	000

Eil Notes

1 RCCB & MCB for each outgoing circuit of lighting & power panel shall be provided. RCCB shall be rated for 30mA and shall be of Type-AC.

Rev. No.	Date	Purpose	Prepared By	Reviewed By	Approved By
B	27-FEB-2026	ISSUED WITH MR	RASHMI SINGH RATHAUR	RASHMI SINGH RATHAUR	RASHMI SINGH RATHAUR
A	06-NOV-2024	ISSUED WITH MR/TENDER	KANUGUTTA SUMITH	RASHMI SINGH RATHAUR	RASHMI SINGH RATHAUR

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LIGHTING FIXTURE SCHEDULE

PROJECT : BINA PETROCHEMICAL & REFINERY EXPANSION PROJECT

OWNER : BPCL-BINA

PMC : ENGINEERS INDIA LIMITED

EIL JOB No. : B957

Rev	Date	Purpose	Prepared By	Checked By	Approved By
B	19.06.25	REVISED AND RE-ISSUED WITH TENDER	SKANU	SK	RSR
A	05.11.24	ISSUED WITH TENDER	SK	RSR	RSR

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S. No.	Light Fixture - Description	Makes & Catalogue Nos.
1.	**LED IND-1**: Surface mounted / Pendant Type LED Tube Lights for Office or Commercial Buildings – completely integral with in-built linear SMD LEDs/ electronic drivers / length of 1200 mm (4 Feet) for a minimum rating of 20 Watts.	• Bajaj : BLRB 18W LED XE • Crompton : LSDL –20- CDL ; • Philips : TMC501 With TLED 1X18W/4FT Master LED Tube • Pyrotech: PC-14-D-L-WXOA/18W Or Equivalent Models.
2.	**LED IND-2**: Surface mounted / Pendant Type Integral LED Tube Lights for Industrial Warehouses /Workshops / Sub-Stations – completely integral with in-built linear SMD LEDs / electronic drivers / length of 1200 mm (4 Feet) for a minimum rating of 36 Watts. An alternative solution for conventional 2x28 W/2x36 W fluorescent Battens.	• Philips : TMC 501 With TLED 2X18W/4FT Master LED Tube • Crompton : LDL -36 – CDL; • Bajaj : BLRB 218W LED XE • Pyrotech: PC-14-D-L-WXOA/36W Or Equivalent Models
3.	**LED IND-3**: Surface mounted / Pendant Type Integral LED Tube Lights for industrial outdoor /weatherproof applications & IP-65 Ingress Protection – completely integral with in-built linear SMD LEDs / electronic drivers / length of 1200 mm (4 Feet) for a minimum rating of 36 Watts.	• Bajaj : Linea Excel {BIPC 40W LED XE}; • Crompton : Shield {IPFC1LT8/16 & 2X LGT8-20-865-2; • Philips : Endura LED Waterproof – 42 Watts; WT550 C LED 40S CW PSU S1 PC; Or Equivalent Models.
4.	**LED IND-4**: Surface mounted / Pendant Type Integral LED Tube Lights for Industrial Warehouses /Workshops / Sub-Stations – completely integral with in-built linear SMD LEDs / electronic drivers / length of 1200 mm (4 Feet) for a minimum rating of 36 Watts. An alternative solution for conventional 2x28 W/2x36 W fluorescent Battens.(Suitable for Mounting on Metsec Channel with white enameled reflector)	• Crompton: Master LED tube 1200mm-18W 869 T8 • Bajaj: BLRB 218W LED XE Or Equivalent Models.
5.	**LED-1:** Recess mounted, compact / slim panel / tile light in square shape – suitable for mounting in 2 Feet X 2 Feet Grid type False Ceiling with minimum 35 Watts rating & White Color – with built-in driver & all mounting accessories.	• Bajaj : ““Armstorme” {BZRSQL 36W WH GZi}; • Crompton : LCTLRNI-36-FO-CDL • Philips : RC 420B LED 35S PSU W60L60 • Pyrotech: PB-12-D-L-WXOA/36W Or Equivalent Models.

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6.	**LED-2:** Recess mounted, compact / slim panel / tile light in square shape – suitable for mounting in 2 Feet X 2 Feet Grid type False Ceiling White Color – with built-in driver & all mounting accessories.	• Crompton: LCTLRN-50-FO-CDL • Bajaj: BZRSQL 43W LED GZi WH Or Equivalent Models.
7.	**LED -3:** Recess mounted, compact / flat, round or square shaped LED down-lighter in white finish – suitable for mounting in gypsum / Armstrong type false ceiling – with minimum 18 Watts rating & White Color – with built-in driver and all mounting accessories.	• Bajaj : SLEEK Round / Square {BGSLO Sleek 18W WH RD / SQ}; • Crompton : QUARTZ Round / Square {LCDE or LSDE-18W-CDL/NW }; • Philips : Green LEDi {DN 195B LED 20S – 6500PSU WHS1}; • Pyrotech: PB-12-D-L-WXOA/18W Or Equivalent Models.
8.	**LED -4:** Recess Mounted Adjustable / Swivel LED spot-light / COB Light with tilting (Gimbal) feature and a minimum rating of 20 Watts & golden yellow / white color light – with white round / square frame, built-in driver, suitable for mounting on gypsum false-ceiling & all mounting accessories.	• Philips : ECO Accent Recessed Adjustable {RS271B LED 20/850 PSU-E WB WH}; • Bajaj : KLASS Series COB {BRDCSL 16 W WW}; QUADRA SERIES COB{BLDRS24W} • Crompton : AQUA COB LED {LR-RAD-20- CDL/NDL-24/50D}; Or Equivalent Models.
9.	**LED -5:** Surface Mounted – Ceiling Tile LED Fixture of dimensions 2 Feet X 2 Feet – suitable for direct ceiling mounting - with minimum 35 Watts rating & White Color – with built-in driver & all mounting accessories.	• Crompton : ORION-I – LCTLSN-36-CDL • Bajaj : SKYLITE-BCTBLS-36 WZTWH • Philips : CIRRUS – SM365C LED33-6500 PSU-OD WH • Pyrotech: PB-12-D-L-WXOA/36W Or Equivalent Models.
10.	**LED -6 :** Surface mounted round or square shaped LED down-lighter in white finish – suitable for direct ceiling mounting – with minimum 18 Watts rating & White Color – with built-in driver and all mounting accessories.	• Crompton : Pearl II – Round / Square {LCDSPLN- R-18-CDL / LCDSPLN-S-18-CDL}; • Bajaj : Sleek – Round / Square– BGSLO Sleek Surface 18 W WH RD / BGSLO Sleek Surface 18W WH SQ}; • Philips : Cirrus Mini {SM5 18C LED 16S 6500PSU OD WH} • Pyrotech: PB-13-D-L-WXOA/18W Or Equivalent Models.

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11.	**LED -7:** Surface mounted round or square shaped LED Dome -lights – suitable for direct wall mounting – with minimum 18 Watts rating & White Color – with built-in driver and all mounting accessories.	• Philips : CoreLine Wall-Mounted {WL120V LED12S / 840 PSR WH}; • Bajaj : TARA Round Shaped Surface Mounted {BGCML 18095WH} • Crompton : Orbit {LCDSPLN-R-18-CDL}; Or Equivalent Models.
12.	**LED -8:** Rechargeable Lantern type LED Fixtures of minimum 4 Watts rating - with inbuilt sealed rechargeable Battery / Cell suitable for operation at 240 Volts AC and with a minimum battery back-up time of 2 hours.	• Philips – Ujjwal Plus LED Lantern; • Bajaj LED Glow 648 LR Rechargeable Lantern; • Crompton - CG-LL30 LED Rechargeable Lantern; Or Equivalent Models.
13.	**LED -9:** Rechargeable Lantern type LED Fixtures of minimum 4 Watts rating - with inbuilt sealed rechargeable Battery / Cell suitable for operation at 240 Volts AC and with a minimum battery back-up time of 2 hours.	• Philips – Ujjwal Plus LED Lantern; • Bajaj LED Glow 648 LR Rechargeable Lantern; • Crompton - CG-LL30 LED Rechargeable Lantern; • Or Equivalent Models.
14.	**LED-RSD-10:** LED Fixture suitable for 110V/220V DC complete with 18W LED Lamp, driver, including other materials as applicable for installation (Recess mounted)	• Pyrotech (PB-13-P-L-WXOA/18W) Or Equivalent Models.
15.	**LED-SFD-12:** LED Fixture suitable for 110V/220V DC complete with 18W LED Lamp, driver, including other materials as applicable for installation (Surface mounted)	• Pyrotech (PB-13-P-L-WXOB/18W) Or Equivalent Models.
16.	**LED -LB–1:** Indoor Industrial Low Bay LED Luminaries - with high pressure die-cast aluminum housing, mirror / lens optics (heat- resistant) for symmetric light distribution and high system efficacy for a rating of 80 Watts up to 100 Watts – complete with integral electronic LED drivers, heat sinks for efficient heat dissipation & all mounting accessories.	• Bajaj : Duranto Highbay Luminaire 100 Watts{BGHB 100W LED GV}; • Crompton : SURROUND -II LHB11-70-CDL/60 - 70Watts; • Philips : GreenPerform Highbay G2 – 80 Watts{BY689P LED 90/NW PSU S-NB}; • Pyrotech: PD-17-D-L-WXOA/90W Or Equivalent Models.

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17.	**LED –HB1:** Indoor Industrial Medium Bay LED Luminaries - with high pressure die-cast aluminum housing, mirror / lens optics (heat- resistant) for symmetric light distribution and high system efficacy for a rating of 120 Watts up to 150 Watts – complete with integral electronic LED drivers, heat sinks for efficient heat dissipation & all mounting accessories.	• Bajaj : Duranto Highbay Luminaire 150 Watts{BGHB 150W LED}; • Crompton : SURROND-II {LHB11-110-CDL/60 -110 Watts}; • Philips : GreenPerform Highbay G2 – 130 Watts{BY688P LED 140/NW PSR S-NB}; • Pyrotech: PD-17-D-L-WXOA/150W Or Equivalent Models.
18.	**LED –HB2:** Indoor Industrial High Bay LED Luminaries - with high pressure die-cast aluminum housing, mirror / lens optics (heat- resistant) for symmetric light distribution and high system efficacy for a rating above 180 Watts – complete with integral electronic LED drivers, heat sinks for efficient heat dissipation & all mounting accessories.	• Bajaj : Duranto Highbay Luminaire 200 Watts{BGHB 200W LED}; • Crompton : Crompton : LHB11-180-CDL/60- 180Watts; • Philips : Green Perform Highbay G2 – 200 Watts{BY687P LED200/NW PSR S-WB L3000}; • Pyrotech: PD-17-D-L-WXOA/180W Or Equivalent Models.
19.	**LED RCD-03** Recess mounted circular LED downlighter White powder coated recess mounting pressure die-cast aluminium housing. Specially designed COB LED die-cast aluminium carriage assembly. Die-cast aluminium carriage assembly provided with heat sink for efficient dissipation of heat – important for LED luminaires.2 nos., spring loaded MS mounting brackets to suit false ceiling – easy to install & maintain. Constant current output driver. fixture should have minimum system lumen of 5000lm & minimum efficacy at System level >100lumens/ watt with max 50W, Life of fixture : 50K Hrs. @ L70B50 Lumen maintenance, CCT up to 5700 CRI >80, THD <10%@ 240v ac. An operating Voltage Range of 140 - 270 V. Minimum Internal Surge Protection 3kv, IP 40. BIS certification is required for LED Driver & Luminaire, Luminaire manufacture shall provide LM79 report from in house NABL accredited lab & LM80 report issued by LED manufacturer.	• BAJAJ:- BRDCSL 50W LED WH - 50W Or Equivalent models.
20.	**LED RSD-10A** LED Fixture suitable for 110V/220V DC complete with 40W LED Lamp, driver,	Equivalent Models.

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	including other materials as applicable for installation (Recess mounted)	
21.	**LED –TECH1:** Surface mounted cylindrical share LED downlight- with pressure die-cast aluminum housing and high system efficacy for a rating of 30 Watts and minimum luminous efficacy of 100 lumens/watt – complete with integral electronic LED drivers, heat sinks for efficient heat dissipation & all mounting accessories.	• Havells: Uneco Or Equivalent Models.
22.	**LED –TECH2:** Wall/Ceiling mounted Integrated Batten LED in white finish with rating of 40 Watts and minimum luminous efficacy of 100 lumens/watt - complete with integral electronic LED drivers, heat sinks for efficient heat dissipation & all mounting accessories.	• Havells: Dura batten • LT Cane 43W 5700K LED Surface Linear Troffer Or Equivalent Models
23.	**LED –TECH3:** Recessed downlight, linear 4ft luminaire in white finish with rating of 36 Watts and minimum luminous efficacy of 100 lumens/watt - complete with integral electronic LED drivers, heat sinks for efficient heat dissipation & all mounting accessories.	• Havells: Destello Or Equivalent Models
24.	**LED –TECH4:** Surface suspended 400mm dia LED light in white finish with rating of 25 Watts and minimum luminous efficacy of 100 lumens/watt - complete with integral electronic LED drivers, heat sinks for efficient heat dissipation & all mounting accessories.	• Havells: Mondo Or Equivalent Models
25.	**LED –TECH5:** Suspended LED downlighter luminaire with Dimmable driver, and rating of 24-25 Watts and minimum luminous efficacy of 100 lumens/watt - complete with integral electronic LED drivers, heat sinks for efficient heat dissipation & all mounting accessories.	• Havells: Destello50LP/ S25WLED857SPMMAWH • Philips: SP780 LED26S-6500 PSU W6L112 OD SI Or Equivalent Models
26.	**LED –TECH6:** Suspended decorative LED light of Round Donut shape in white finish, with rating of 25 Watts and minimum luminous efficacy of 100 lumens/watt - complete with integral electronic LED drivers, heat sinks for efficient heat dissipation & all mounting accessories.	• Havells: Torus Or Equivalent Models

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27.	**LED –TECH7:** Recessed mounted 9-10W/m flexible LED strip with lumen output of 4000 lumens, suitable for mounting in cove for indirect lighting. Each strip shall be 5 meters - complete with integral electronic LED drivers, heat sinks for efficient heat dissipation & all mounting accessories.	• Havells: FLEXISTIP Or Equivalent Models
28.	**LED –TECH8:** Deep recessed COB LED downlighter - with high pressure die-cast aluminum housing for a rating of 30 Watts and lumen output of 3000 lumens - complete with integral electronic LED drivers, heat sinks for efficient heat dissipation & all mounting accessories.	• Havells: Sparkle Fix Or Equivalent Models
29.	**LED –TECH15** 60W LED Ring Type Postop, made of Pressure die-cast aluminum circular top and 2 nos. of curved arms resting on spigot. High quality injection molded, single piece PC (Poly Carbonate) opal diffuser, IP 66 protection Lumen efficacy of LED >140 lm/W, System Lumen 4000Lm, CCT 3000K/5700K.	Cat Reh: Havells Rink Or Equivalent Models
30.	**LED –TECH16** 7-8W LED Recessed LED Step Light, Pressure die-cast aluminium housing grey finish, lumen efficacy of 130lm/W, IP65, Lumen:180, CCT:3000K.	• Havells Cat Ref: Radiant Philips Cat Ref: BWG150 Or Equivalent Models
31.	**LED –TECH18** Recessed mounted 12W Round Shape Downlighter with high performance LEDs, suitable for mounting with Armstrong/Grid ceiling. pressure die-cast aluminium heat sink & PC diffuser in white powder coated finish with integral electronic low THD (<10%) LED driver. LED package in integral module with lumen efficacy of >110 lm/W . Color temperature 5700K, Input Supply Voltage Range:140-270 V, Frequency :50 HZ;	• Havells Cat Ref:Havells INTEGRA Or Equivalent Models
32.	**LED –TECH19** Recessed mounted 18W Round Shape Downlighter with LEDs, suitable for mounting with Armstrong/Grid ceiling. pressure die-cast aluminium heat sink & PC diffuser in white powder coated finish with integral electronic low THD (<10%) LED driver.High efficiency long life LED package in integral module with lumen efficacy of >110 lm/W	• **Havells Cat Ref:Havells INTEGRA,** Or Equivalent Models

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33.	**LED –TECH20:** **Exterior up-down facade lighting** Vertical up & Down light 10Watt Mirror light(3000K/4000K) Surface mounted Outdoor type UP & Down Lighter with glass optics, fixture should have minmum net efficiency at System level (Not chip level)>75 lumens/watt. Minimum nominal system lumen of 750lumens. Life of fixture 50000hrs@L70LUMEN MAINTENANCE, cct, cri>70,pf>0.9, IP-65(min) and suitable for 230V AC,50HZ supply, suitable internal surge protection. The fixtures should comply with parameters as per IS10322 and IEC-60598, EMC/EMI compliance and LED driver shall be BIS registered & luminaire manufacture shall provide LM79 report from NABL accredited lab & LM80 report issued by LED manufacturer	Equivalent Models
34.	**LED –TECH 21-Blue:** **Exterior signage lighting** Outdoor flexible neon tubes/Outdoor Linear outline tubes, Led type, 10W, IP-65(min), suitable for 230V AC,50Hz power supply, in Blue colour	Bajaj-Stamo/Bent Or equivalent models.
35.	**LED –TECH 21-Red:** **Exterior signage lighting** Outdoor flexible neon tubes/Outdoor Linear outline tubes, Led type, 10W, IP-65(min), suitable for 230V AC,50Hz power supply, in Red colour	Bajaj-Stamo/Bent Or equivalent models.
36.	**LED –TECH 21-White:** **Exterior signage lighting** Outdoor flexible neon tubes/Outdoor Linear outline tubes, Led type, 10W, IP-65(min), suitable for 230V AC,50Hz power supply, in White colour	Bajaj-Stamo/Bent Or equivalent models.
37.	**Type LED-Round Ceiling (Static) Fixtures:** High performance LED downlighter with high system efficacy for good quality and uniform lighting. Conforms to general lighting norms for office and other indoor applications. 1) Colour Temperature (K)- 3000 K / 4000 K / 5700K (as per site conditions) 2) LED Efficacy (lm/W) – 100 to 160 3) CRI >70 4) Power Consumption 6W to 24W 5) LED's life >25,000 hours @ L70	Equivalent Models

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38.	**Type LED-Baffle Ceiling (Static) Fixtures:** It integrates a LED light source into a traditional fluorescent form factor. Its unique design creates a perfectly uniform visual appearance which cannot be distinguished from traditional fluorescent. For those that are looking for value for money within limited budget and re-lamping efforts for better light effect and lifetime. 1) Lumen Output - 2000 – 3000 2) Colour Temperature (K)- 3000 K / 4000K / 6500K (as per site conditions) 3) LED's life >25,000 hrs @ L70 4) CRI >70 5) Input Voltage Range (V) 150 - 270 6) LED Efficacy (lm/W) >150 7) Power Consumption (W) 20W to 32W	Equivalent Models
39.	**Type LED-Cove Light Fixtures:** It will be a continuous rail of LED light, high brightness, neutral, or warm white with wall washing applications. Its slim profile and simple daisy-chain system allows high design flexibility to form long. 1) Light source: LED 2) Lumen output: 500 lm/m 3) Light color: 6500K 4) Power consumption: 3W/m to 5W/m 5) Operating Voltage Range (V) 100 – 300 6) Operating Frequency (Hz) 50 ± 3% 7) Colour: White 8) Lifetime: 15000 burning hrs. (At L70)	Equivalent Models

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OUTDOOR LED LIGHT FIXTURES		
40.	**LED BK -1:** Outdoor Surface Mounted Bulkhead LED Lights – with die-cast aluminum housing / toughened glass lens and minimum IP -65 ingress protection of minimum 10 watts rating – complete with integral type electronic drivers & all mounting accessories.	• Bajaj : Wee Plus {BIBWP 10 W LED} Crompton : Sunrise LED Bulkhead {LBH-10- CDL}; • Philips : Vista Glow WT140W LED7S CW PSU S1 PC; • Pyrotech: PP-11-D-L-WXOA/10W Or Equivalent Models.
41.	**LED BK -2:** Outdoor Surface Mounted Bulkhead LED Lights – with die-cast aluminum housing / toughened glass lens and minimum IP -65 ingress protection of minimum 30 watts rating – complete with integral type electronic drivers & all mounting accessories.	• Pyrotech: PP-11-D-L-WXOA/30W Or Equivalent Models.
42.	**LED BK -3:** Outdoor Surface Mounted Bulkhead LED Lights – with die-cast aluminum housing / toughened glass lens and minimum IP -65 ingress protection of minimum 60 watts rating – complete with integral type electronic drivers & all mounting accessories.	• Pyrotech: PP-11-D-L-WXOA/60W • Or Equivalent Models.
43.	**LED ST-4 :** LED Street Light Fixtures with Leaf / Sleek Type design & SMD or COB Type LEDs for high system efficacy & rating of 80 Watts to 100 Watts – having powder coated Pressure Die-Cast Aluminum Body & toughened glass visor fitted in a frame & completely integral – with all mounting accessories. The fixture enclosure shall have minimum IP 65 ingress protection.	• Bajaj : EDGE Streetlight – 100 Watts {BRLEP 90W LED}; • Crompton : NEXUS STAR - 90 Watts {LSTP-90-CDL}; • Philips : Green Line V2 BRP410 LED 092 CW HE NR FG S2 PSU GR; • Pyrotech: PP-11-D-L-WXOA/10W Or Equivalent Models.
44.	**LED ST-10 :** LED Street Light Fixtures with Leaf / Sleek Type design & SMD or COB Type LEDs for high system efficacy & rating of 120 Watts having powder coated Pressure Die-Cast Aluminum Body & toughened glass visor fitted in a frame & completely integral – with all mounting accessories. The fixture enclosure shall have minimum IP 65 ingress protection.	• Crompton: LSTP120 CDL • Bajaj:- BRTFG 120W LED Or Equivalent Models.
45.	**LED ST-11:** LED Street Light Fixtures with Leaf / Sleek Type design & SMD or COB Type LEDs for high system efficacy & rating of 120 Watts to 150 Watts – having powder coated Pressure Die-Cast	• Bajaj : Edge Streetlight – 150 Watts {BRTFG 135W LED}; • Crompton : 135 Watts {LSTP-135-CDL};; • Philips : Greenline Extra BRP322 LED 122 CW HE MR PC S3 XT;

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	Aluminum Body & toughened glass visor fitted in a frame & completely integral – with all mounting accessories. The fixture enclosure shall have minimum IP 65 ingress protection.	• Pyrotech: PE-11-D-L-WXOA/150W Or Equivalent Models.
46.	**LED FD-1:** LED Flood-Light Fixtures with COB or SMD Type LEDs and high system efficacy for a rating of 80 Watts up to 110 Watts – complete with integral electronic LED drivers, heat sinks for efficient heat dissipation & all mounting accessories – suitable for outdoor installation & having a minimum IP 65 ingress protection. The Flood-Light fixtures shall have powder-coated pressure die-cast & Aluminum Body & toughened glass front cover.	• Philips : Uniflood 2 Series Flood Light - 110Watts {BVP122 LED110 CW FLNB FG XTFC}; • Crompton : OMEGA LED Flood Light – 110 Watts{LFLN11-110-CDL/60}; • Bajaj : Force Flood Light – 100 Watts {BJFL 100W LED I}; • Pyrotech: PD-17-D-L-WXOA/110W Or Equivalent Models.
47.	**LED FD-2:** LED Flood-Light Fixtures with COB or SMD Type LEDs and high system efficacy for a rating of 150 Watts up to 200 Watts – complete with integral electronic LED drivers, heat sinks for efficient heat dissipation & all mounting accessories – suitable for outdoor installation & having a minimum IP 65 ingress protection. The Flood-Light fixtures shall have powder-coated pressure die-cast & Aluminum Body & toughened glass front cover.	• Philips : Tempo Series LED Flood Lights – 172Watts { BVP410 LED 172 CW HE NB FG S3 XT}; • Crompton : 200 Watts LED Flood Lights {LFLN11-200-CDL/60};; • Bajaj : Turbo Flood Light – 200 Watts {BJFL 200W LED I}; • Pyrotech: PD-17-D-L-WXOA/200W Or Equivalent Models.
48.	**LED FD-3:** LED Flood-Light Fixtures with COB or SMD Type LEDs and high system efficacy for a rating of 250 Watts & above – complete with integral electronic LED drivers, heat sinks for efficient heat dissipation & all mounting accessories – suitable for outdoor installation & having a minimum IP 65 ingress protection. The Flood-Light fixtures shall have powder-coated pressure die-cast & Aluminum Body & toughened glass front cover.	• Philips : Tempo Series LED Flood Lights – 252Watts {BVP410 LED 252 CW HE AK55 FG S3XTFC}; • Crompton : MAGPIE – 250 Watts LED Flood Lights{LFLPI-250-CDL/60}; • Bajaj : Turbo Flood Light – 350 Watts {BJFL 350W LED I}; • Pyrotech: PD-17-D-L-WXOA/250W Or Equivalent Models.
49.	**LED FD-9:** LED Flood-Light Fixtures with COB or SMD Type LEDs and high system efficacy for a rating of 400 Watt & above – complete with integral electronic LED drivers, heat sinks for efficient heat dissipation & all mounting accessories – suitable for outdoor installation & having a minimum IP 65 ingress protection. The Flood-Light fixtures shall have powder-coated pressure die-cast & Aluminum Body & toughened glass front cover.	• Crompton: MAGPIE+ LFLPI-400-CDL/60 • Bajaj: BJFL 400W LED IP66 • Philips: Tango G3 BVP383 LED450/CW 400W 220-240V SWB IN; • Pyrotech: PD-17-D-L-WXOA/500W Or Equivalent Models

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50.	**LED BL-1:** Integral decorative LED Bollard Luminaries with opal acrylic diffusers of minimum 8 Watts rating & suitable for landscape lighting with IP-65 Ingress Protection and anti-corrosive powder-coated die-cast aluminum housing – complete with all mounting accessories (anchor bolts / base-plates)	• Bajaj : Tetris LED Bollard {BGBOS 600 9W LED}; • Crompton : Maya-III COB LED Bollard {LBLA3-10- CDL}; • Philips : City Cube Series LED Bollard - 8.5 Watts{BCP400 LED04 U CW PSU GR S1}; • Pyrotech: PD-15-D-L-WXOA Or Equivalent Models.
51.	**LED PT-1** LED Post Top Lantern type fixture. Lumen Output shall be equivalent to that of 80W HPMV	• Bajaj BLTSP 25W NW LED (Globe) Or Equivalent Models.
52.	**LED TECH10:** Recessed LED Step light- pressure die cast Aluminum housing & minimum IP-65 ingress protection with rating of 25 Watts and luminous efficacy of 70 lumens/watt & viewing angle of 120 degrees - complete with integral type electronic drivers & all mounting accessories.	• Havells: Lycus Or Equivalent Models
53.	**Type LED-Spike Light fixtures.** 5W Spike light made of Grey pure polyester powder coated, Pressure die-cast spike, snoot and aluminium IP66 protection for high reliability in outdoor applications. High efficiency long life COB LED mounted on MCPCB of fixture. Lumen efficacy of LED >140 lm/W. Operating temperature: -upto +50 °C, Operating voltage range: 140 V - 270 V, Average life L70B50: 35000 hours, Prismatic chrome plated reflector for controlled beam angle of 60°. High quality toughened glass in clear finish for uniform light distribution, CRI>70, THD<15%, PF>0.9, CCT 3000K/Red ,Blue, Green, IP 66, IK 07, Powered by an Built-In potted, electronic driver (SMPS based constant current supply) with lower THD, Output Open/ Short circuit protection, Surge voltage protection upto 4kV & other safety test as per IS:15885 Part 2/Sec 13. Cat	• **Havells** irvine, Iguzzini, Ligman Or equivalent models.
54.	**LED TECH12:** LED fixture in bollard housing made up of Aluminium pipe (OD- 100mm) along with mounting cats iron flange fixed to the ground, minimum IP-65 ingress protection for a rating	• Havells: Bamboo Or Equivalent Models

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	of 8 Watts and with luminous efficacy of 100 lumens/watt - complete with integral type electronic drivers & all mounting accessories.	
55.	**HIGH MAST LED FIXTURE** 500 Watt Flood light LED lighting fixture complete with LED lamp, LED driver, reflectors, mounting hardware, clamps & brackets etc. **(Light Output i.e. LUMENS of fixture min. 100 LM/ Watt.)**	Bajaj: AMPL F 650L WH NB-A5 TG SD • Or Equivalent Models

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OUTDOOR TYPE FIXTURES			
LIGHTING FIXTURE (Ex-d/Ex-de/Ex-n/Ex-nR) SUITABLE FOR ZONE-1 & ZONE-2 AREA			
Fixture type	**Description**	**Wattage**	**Manufacturer Type Designation**
Ex-LED-1A	Weatherproof, non-sparking restricted breathing type Ex nR well glass LED lighting fixture complete with LED lamp, driver accessories including other materials as applicable for installation suitable for Zone-2 classified areas, total lumen output in the range of 4000-4500 lumens, with minimum efficacy greater than 100 lumens/watt		
Ex-LED-2A	Same as Ex-LED-1A but with total lumen output in the range of 6500-7000 lumens.		
Ex-LED-3A	Same as Ex-LED-1A but with total lumen output in the range of 10000-10500 lumens.		
Ex-LED-4	Weatherproof, non sparking restricted breathing type Ex nR floodlight LED lighting fixture complete with LED lamps, driver accessories, including other materials as applicable for installation, total lumen output in the range of 6500-7000 lumens with minimum efficacy greater than 100 lumens/watt		
Ex-LED-5	Same as Ex-LED-4 but with lumen output in the range of 10000-10500 lumens.		
FLP-LED-1A	Flameproof and weatherproof Ex d/ Ex de type well glass LED lighting fixtures complete with LED, driver, accessories, including other materials as applicable for installation, suitable for gas group IIB temperature class T3, total lumen output in the range of 4000-4500 lumen with minimum efficiency greater than 100		
FLP-LED-2A	Same as FLP-LED-1A but with total lumen output in the range of 6500-7000		
FLP-LED-3A	Same as FLP-LED-1A but with total lumen output in the range of 10000-10500.		

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FLP-LED-4A	Flameproof and weatherproof Ex d/ Ex de flood light LED fixture complete with LED lamp, driver, accessories, including other materials as applicable for installation, suitable for gas group IIB, temperature class T3, total lumen output in the range of 6500-7000 with minimum efficiency greater than 100 lumen/watt.		
FLP-LED-5A	Same as FLP-LED-4A but with lumen output in the range of 10000-10500 lumens.		
FLP-LED-6A	Flameproof and weather proof Ex-d/ Ex de well glass LED lamp, driver, accessories including other materials as applicable for installations, suitable for gas group IIB, temperature class T3, total lumen output in the range of 4000-4500 lumens with minimum efficiency greater than 100 lumens/watt and suitable for 220V/110V DC		
FLP-LED-1A-IIC	Same as FLP-LED-1A but suitable for gas group IIC, temp. Class T3.		
FLP-LED-2A IIC	Same as FLP-LED-2A but suitable for gas group IIC, temp. Class T3.		
FLP-LED-3A-IIC	Same as FLP-LED-3A but suitable for gas group IIC temperature class T3.		
FLP-LED-4A-IIC	Same as FLP-LED-4A but suitable for gas group IIC temperature class T3.		
FLP-LED-5A-IIC	Same as FLP-LED-5A but suitable for gas group IIC temperature class T3.		
FLP-LED-6A-IIC	Same as FLP-LED-6A but suitable for gas group IIC temperature class T3.		
FLP-LED12	Ex proof Ex d/ Ex de type LED Fixtures complete with LED Lamp, driver, including other materials as applicable for installation.	52 W	Philips BCW216 Stahl EXLUX 6002 Eaton eLLK 92 LED 800 or
FLP-LED-12-IIC	Same as FLP-LED-12 but suitable for gas group IIC temperature class T3.		
CHEMICAL RESISTANT FIXTURES			
LED13	LED Chemical resistance Fixtures complete with LED Lamp, driver, including other materials as applicable for installation	Up to 50W	Philips WT461C or equivalent
CM2	Chemical resistance fixture suitable for 2x36 W fluorescent lamp.	2x36 W	Philips TMX-95/236 Crompton IFV-1124HSB

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CM3	Similar to CM2 but suitable for 2x18W fluorescent lamps with reeded light stabilized clear acrylic cover (for use in indoor areas with high humidity and corrosive vapor)	2x18 W	Philips TDC-10/218 Bajaj BJI-218FG
CM4	Similar to CM3 but with 2x36W fluorescent lamps.	2x36 W	Philips TDC-10/236 Crompton IPFC-24HSB
CM5	Ceiling/pendent mounting drip proof and dust tight fixture suitable for 2x36 W fluorescent lamps with aluminum housing, stove enameled grey outside and white inside with gasketed clear acrylic cover	2x36 W	Philips TPW-11/236 Crompton IDJ-1124HSB Bajaj BJI-236
CM6	Dust & Vapor proof fixture suitable for 1x40W fluorescent lamp with glass sheet cover.	1x40W	Crompton IPFC 14HSB Bajaj BJI-136FG

Notes:

1. All fixtures shall be latest energy efficient type.
2. All fixtures shall be complete with lamps.
3. All LED fixtures shall be supplied complete with LED lamp & drivers.
4. All LED fixtures shall have high power factor (Min. 0.95).
5. Manufacturer shall ensure that LED panels are sourced from reputed LED manufacturers.
6. The LED light fixtures should be tested for luminous lux level as per IES-LM-79. Type test certificates shall be furnished in compliance to same. Type test certificates for LM-79 for all fixtures shall be from a NABL (National Accreditation Board for Testing and Calibration Laboratories) accredited Lab or UL Laboratory.
7. The LED's used in the lighting fixtures should be tested for the service life as per IES-LM-80. Type test certificates shall be furnished in compliance to same.
8. The LED Driver shall comply with the requirement of IEC 61347-2-13.
9. Fixture life time (L70) shall be > 50000 hrs at ambient of 45 degree C.
10. Make of fixtures shall be embossed on the body of the lighting fixtures.
11. LED lamps shall be provided with highly translucent diffusers with advance optical system with high internal reflectivity material of excellent and smooth output for glare free light and no visibility of LED to eyes.
12. All lighting fixtures shall be supplied complete with associated LED lamp and driver.
13. All above Luminaries with controllers & drivers must be suitable for a working voltage range of 150 to 270 Volts – 50 Hz - AC.
14. In case any of the above referred models / makes are discontinued, prior approval from the engineer-in- charge has to be taken for supplying any alternate makes / models.
15. Retrofit type of flameproof LED fixtures will not be acceptable (implies LED bulbs fixed inside flameproof enclosures). All flameproof fixtures shall have integral panelled LED clusters (COB - Chip on Board or SMD - Surface mount Device).

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PREAMBLE
TO
VENDOR LIST

PROJECT : BINA PETROCHEMICAL AND REFINERY EXPANSION PROJECT- BPREP BINA REFINERY

OWNER : BPCL

Rev. No	Date	Purpose	Prepared by	Checked by	Approved by
A	27.02.2026	ISSUED WITH TENDER	RS	RSR	RSR

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GENERAL NOTES

1.0 CONTRACTOR shall procure all the material / equipment forming permanent part of the unit / plant from OWNER / PMC approved vendors enclosed elsewhere in the bidding document. This shall include sub- ordered items / components also. The "Approved Vendors" shall be item specific.

2.0 CONTRACTOR to procure material from any of OWNER / PMC approved vendors. However, current validity, holiday status and range of approval as per EIL enlistment letter need to be verified by the CONTRACTOR with vendor before placement of order.

i. CONTRACTOR shall also verify the work load, stability and solvency status of the vendor prior to placement of order.
ii. Vendors on OWNER/PMC holiday list shall not be considered for ordering, which need to be verified by the CONTRACTOR prior to placement of order. CONTRACTOR shall comply with this requirement without any time or cost implication to Owner.
iii. In case any vendor is registered with EIL as an approved vendor subsequent to the issue of this bidding document, the same may also be considered by the CONTRACTOR with prior intimation to OWNER/PMC and obtain their concurrence prior to placement of order.
iv. Wherever job specification calls for requisite proven track record, the same shall be complied and necessary documents to be submitted for BPCL/EIL approval prior to ordering. Licensor approval is required wherever necessary.
v. Vendors on OWNER / PMC holiday list shall not be considered for ordering.

CONTRACTOR shall comply with this requirement without any time or cost implication to the OWNER. If a vendor is put on OWNER / PMC's holiday list subsequent to CONTRACTOR placing an order, it shall be CONTRACTOR's responsibility to ensure quality work and timely supply from the vendor.

3.0 Wherever the nos. of approved vendors are less than 3 (three) CONTRACTORS may consider additional vendors with prior approval of OWNER / PMC. "Approval status" documents / credentials to be furnished by the vendors in such cases the CONTRACTOR shall be solely responsible. OWNER / PMC's decision on approval shall be final and non- negotiable. Non-acceptance of a particular proposed vendor due to any reasons whatsoever shall not be a cause of schedule and cost implication. Delay in approval of additional vendor, if any, on account of non- submission of performance track record and other documents as per requirements is solely to contractor's account and no time and cost implication implication(s) shall be entertained on account of additional vendor approval

4.0 For items not covered in the vendor list (covered elsewhere in bidding document), the vendor shall be approved by OWNER/ PMC prior to placement of order by CONTRACTOR. CONTRACTOR shall list down the proposed suppliers/vendors for such items and submit the One Vendor details for OWNER/PMC's review / approval along with necessary documents/credentials. Non- acceptance of a particular proposed vendor due to any reasons whatsoever shall not be a cause of schedule and cost implication.

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5.0 CONTRACTOR shall make an independent assessment of capability of all the vendors for timely deliveries of material / equipment. Any delays in deliveries by vendor(s) shall not be a cause of schedule and cost implication.

6.0 At any stage of the project, if it comes to the notice of OWNER / PMC that CONTRACTOR has procured material / equipment, intentionally or unintentionally whatsoever, from an unapproved vendor and/or items not falling in approved range of vendor(s), the same shall be rejected forthwith and CONTRACTOR shall be liable to replace such material / plant / machinery without any schedule and cost implication to the OWNER.

7.0 The vendor list provided by Process Licensor in any of the Licensor documents shall be considered. If Vendor for any item is not covered in this vendor list but appearing anywhere in the Licensor process package, Licensor vendor list will be followed.
Sub- Vendor list given in the job specifications attached with the tender shall be considered for respective items if not covered in this vendor list.
In case of any Mandatory /Proprietary items appearing in this vendor list as well as in the Licensor's process package, the vendors as recommended by the Process Licensor shall be followed.

8.0 It is understood that in few cases, name of the Vendor changes due to change in their Company or Corporate shareholding, OWNER may accept such Vendors under its new name with prior approval and submission of requisite supporting document.
Any such approval shall however, not absolve the CONTRACTOR from any of his obligations under the contract; neither shall any such approval signify nominations or instruction to use such a vendor. All approved vendors are deemed to have been freely chosen by the CONTRACTOR at his own risk.

9.0 The approved vendors list for fabricated equipment (Vessels, Column, Heat Exchangers, Ejectors etc.) is for fabrication alone. Where mechanical design of the equipment is included in CONTRACTOR'S scope, CONTRACTOR shall himself be responsible for designing and obtaining approval / review of Mechanical design calculations as per codes/specifications specified elsewhere in the Bid/Contractor document from OWNER / PMC.

10.0 Proposal of any new vendor based on its successful PTR is permissible only as special case. In case no quote is received from the bid specified approved vendors, substantial proof such as regret letters / E-mails from vendors etc. to be submitted for the same as documentary evidence. However, OWNER/PMC decision shall be final and binding on the contractor for which commercial implication (if any) shall not be entertained by the OWNER.

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Sr No	Supplier Code	Supplier Name	Country	Holiday Description
Item Code : 13GB		**Description :** CONTROL STATIONS-FLAME PROOF		
Approved Suppliers				
1	B024	BALIGA LIGHTING EQUIPMENTS (P) LIMITED	INDIA	
2	4364	SAI INDUSTRIES	INDIA	
3	G159	PEPPERL & FUCHS MANUFACTURING (INDIA) PRIVATE LIMITED	INDIA	
4	4245	FCG HI-TECH PRIVATE LIMITED	INDIA	
5	F024	FLEXPRO ELECTRICALS PVT LTD	INDIA	
6	F036	FLAMEPROOF EQUIPMENTS PVT.LTD	INDIA	
7	K173	KAYSONS TECHNO EQUIPMENTS PVT. LTD.	INDIA	
8	S158	SUDHIR SWITCHGEARS PVT LTD	INDIA	
9	3706	PHOENIX MECANO INDIA PVT. LTD.	INDIA	
10	3681	FCG POWER INDUSTRIES PVT LTD	INDIA	

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Sr No	Supplier Code	Supplier Name	Country	Holiday Description
Item Code : 13LA		**Description :** LIGHTING FIXTURE & ACCESSORIES-HAZARDOUS		
Approved Suppliers				
1	K173	KAYSONS TECHNO EQUIPMENTS PVT. LTD.	INDIA	
2	3990	SHREYA EX-TECH PRIVATE LIMITED	INDIA	
3	4245	FCG HI-TECH PRIVATE LIMITED	INDIA	
4	B024	BALIGA LIGHTING EQUIPMENTS (P) LIMITED	INDIA	
5	S158	SUDHIR SWITCHGEARS PVT LTD	INDIA	
6	F024	FLEXPRO ELECTRICALS PVT LTD	INDIA	
7	F036	FLAMEPROOF EQUIPMENTS PVT.LTD	INDIA	
8	3681	FCG POWER INDUSTRIES PVT LTD	INDIA	

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Sr No	Supplier Code	Supplier Name	Country	Holiday Description
Item Code : 13MA		**Description :** JUNCTION BOXES (FLAME PROOF)		
Approved Suppliers				
1	4245	FCG HI-TECH PRIVATE LIMITED	INDIA	
2	G159	PEPPERL & FUCHS MANUFACTURING (INDIA) PRIVATE LIMITED	INDIA	
3	S158	SUDHIR SWITCHGEARS PVT LTD	INDIA	
4	4364	SAI INDUSTRIES	INDIA	
5	F036	FLAMEPROOF EQUIPMENTS PVT.LTD	INDIA	
6	3706	PHOENIX MECANO INDIA PVT. LTD.	INDIA	
7	K173	KAYSONS TECHNO EQUIPMENTS PVT. LTD.	INDIA	
8	F024	FLEXPRO ELECTRICALS PVT LTD	INDIA	
9	B024	BALIGA LIGHTING EQUIPMENTS (P) LIMITED	INDIA	
10	R175	R STAHL PVT LTD	INDIA	
11	3681	FCG POWER INDUSTRIES PVT LTD	INDIA	

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Sr No	Supplier Code	Supplier Name	Country	Holiday Description
Item Code : 13MB		**Description :** LIGHTING & POWER PANELS (FLP)		
Approved Suppliers				
1	S158	SUDHIR SWITCHGEARS PVT LTD	INDIA	
2	K173	KAYSONS TECHNO EQUIPMENTS PVT. LTD.	INDIA	
3	F036	FLAMEPROOF EQUIPMENTS PVT.LTD	INDIA	
4	B024	BALIGA LIGHTING EQUIPMENTS (P) LIMITED	INDIA	
5	F024	FLEXPRO ELECTRICALS PVT LTD	INDIA	
6	3681	FCG POWER INDUSTRIES PVT LTD	INDIA	
7	3990	SHREYA EX-TECH PRIVATE LIMITED	INDIA	
8	3706	PHOENIX MECANO INDIA PVT. LTD.	INDIA	
9	4364	SAI INDUSTRIES	INDIA	
10	4245	FCG HI-TECH PRIVATE LIMITED	INDIA	

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Sr No	Supplier Code	Supplier Name	Country	Holiday Description
Item Code : 13MC		**Description :** PLUGS/SOCKETS/HANDLAMPS (FLAME PROOF)		
Approved Suppliers				
1	3681	FCG POWER INDUSTRIES PVT LTD	INDIA	
2	B024	BALIGA LIGHTING EQUIPMENTS (P) LIMITED	INDIA	
3	F024	FLEXPRO ELECTRICALS PVT LTD	INDIA	
4	3815	VICTORY LUMINAIRES	INDIA	
5	S158	SUDHIR SWITCHGEARS PVT LTD	INDIA	
6	F036	FLAMEPROOF EQUIPMENTS PVT.LTD	INDIA	
7	K173	KAYSONS TECHNO EQUIPMENTS PVT. LTD.	INDIA	

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Sr No	Supplier Code	Supplier Name	Country	Holiday Description
Item Code : 13MD		**Description :** FLAMEPROOF POWER DISTRIBUTION BOARD		
Approved Suppliers				
1	B024	BALIGA LIGHTING EQUIPMENTS (P) LIMITED	INDIA	
2	3681	FCG POWER INDUSTRIES PVT LTD	INDIA	
3	K173	KAYSONS TECHNO EQUIPMENTS PVT. LTD.	INDIA	
4	F036	FLAMEPROOF EQUIPMENTS PVT.LTD	INDIA	
5	3706	PHOENIX MECANO INDIA PVT. LTD.	INDIA	
6	S158	SUDHIR SWITCHGEARS PVT LTD	INDIA	
7	F024	FLEXPRO ELECTRICALS PVT LTD	INDIA	

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Sr No	Supplier Code	Supplier Name	Country	Holiday Description
Item Code : 14AB		**Description :** AUXILIARY RELAYS		
Approved Suppliers				
1	A392	GE VERNOVA T&D INDIA LIMITED	INDIA	
2	4339	C & S ELECTRIC LTD	INDIA	
3	3642	M/S JVS ELECTRONICS PVT LTD	INDIA	
4	3860	HITACHI ENERGY INDIA LIMITED	INDIA	

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Sr No	Supplier Code	Supplier Name	Country	Holiday Description
Item Code : 14CA		**Description :** CABLE GLANDS (HAZARDOUS AREA)		
Approved Suppliers				
1	3681	FCG POWER INDUSTRIES PVT LTD	INDIA	
2	4244	METALMECH ENGINEERING	INDIA	
3	27421	CMP PRODUCTS LIMITED	UNITED KINGDOM	
4	3704	METAL CRAFT INDUSTRIES	INDIA	
5	3890	AKSHAR BRASS INDUSTRIES	INDIA	
6	4364	SAI INDUSTRIES	INDIA	
7	4360	CLEON OPTOBIZ PRIVATE LIMITED	INDIA	
8	4245	FCG HI-TECH PRIVATE LIMITED	INDIA	
9	4187	SIGMA INDUSTRIES	INDIA	
10	S375	STANDARD METAL INDUSTRIES	INDIA	
11	S158	SUDHIR SWITCHGEARS PVT LTD	INDIA	
12	K173	KAYSONS TECHNO EQUIPMENTS PVT. LTD.	INDIA	
13	F036	FLAMEPROOF EQUIPMENTS PVT.LTD	INDIA	
14	F024	FLEXPRO ELECTRICALS PVT LTD	INDIA	
15	C195	COMET BRASS PRODUCTS	INDIA	
16	B024	BALIGA LIGHTING EQUIPMENTS (P) LIMITED	INDIA	
17	C205	COMET INDUSTRIES	INDIA	

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Sr No	Supplier Code	Supplier Name	Country	Holiday Description
Item Code : 14CD		**Description :** CONTACTORS		
Approved Suppliers				
1	A200B	ABB INDIA LTD	INDIA	
2	3791	C & S ELECTRIC LTD	INDIA	
3	4312	SIEMENS LIMITED	INDIA	
4	B002	BCH ELECTRIC LTD	INDIA	
5	G147	GE INDIA INDUSTRIAL PVT LTD	INDIA	
6	S450A	SCHNEIDER ELECTRIC INDIA P LTD-HYDERABAD	INDIA	
7	L103	SCHNEIDER ELECTRIC INDIA PRIVATE LIMITED	INDIA	

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Sr No	Supplier Code	Supplier Name	Country	Holiday Description
Item Code : 14CF		**Description :** CONTROL SWITCHES / SELECTOR SWITCHES		
Approved Suppliers				
1	K143	KAYCEE INDUSTRIES LTD.	INDIA	
2	L103	SCHNEIDER ELECTRIC INDIA PRIVATE LIMITED	INDIA	
3	H142	HOTLINE SWITCHGEAR & CONTROLS	INDIA	
4	R159	RELIABLE ELECTRONIC COMPONENTS PVT LTD	INDIA	
5	S373	SWITRON DEVICES	INDIA	
6	4012	TEKMEC SWITCHGEAR & CONTROLS	INDIA	
7	4002	P.P. INDUSTRIES	INDIA	
8	4312	SIEMENS LIMITED	INDIA	

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Sr No	Supplier Code	Supplier Name	Country	Holiday Description
Item Code : 14EA		**Description :** EARTH LEAKAGE CIRCUIT BREAKER		
Approved Suppliers				
1	3824	HAVELLS INDIA LIMITED	INDIA	
2	3726	NOVATEUR ELECTRICAL & DIGITAL SYSTEMS PVT. LTD.	INDIA	
3	G147	GE INDIA INDUSTRIAL PVT LTD	INDIA	
4	A372	ABB INDIA LTD	INDIA	
5	L071	LEGRAND (INDIA) PVT. LTD (FORM. M-006)	INDIA	
6	S450	SCHNEIDER ELECTRIC INDIA PVT LTD	INDIA	
7	4312	SIEMENS LIMITED	INDIA	

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Sr No	Supplier Code	Supplier Name	Country	Holiday Description
Item Code : 14FA		**Description :** FUSES		
Approved Suppliers				
1	I013	NOVATEUR ELECTRICAL & DIGITAL SYSTEMS P	INDIA	
2	3790	C & S ELECTRIC LTD	INDIA	
3	4312	SIEMENS LIMITED	INDIA	
4	C194	EATON POWER QUALITY PRIVATE LIMITED	INDIA	
5	G147	GE INDIA INDUSTRIAL PVT LTD	INDIA	
6	L103	SCHNEIDER ELECTRIC INDIA PRIVATE LIMITED	INDIA	

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Sr No	Supplier Code	Supplier Name	Country	Holiday Description
Item Code : 14HA		**Description :** HEAVY DUTY SWITCHES		
Approved Suppliers				
1	3790	C & S ELECTRIC LTD	INDIA	
2	4312	SIEMENS LIMITED	INDIA	
3	L103	SCHNEIDER ELECTRIC INDIA PRIVATE LIMITED	INDIA	

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Sr No	Supplier Code	Supplier Name	Country	Holiday Description
Item Code : 14IA		**Description :** INSTRUMENT TRANSFORMERS CT & PT (MV)		
Approved Suppliers				
1	4160	RECO TRANSFORMERS PRIVATE LIMITED	INDIA	
2	3901	NEWTEK ELECTRICALS	INDIA	
3	3789	PRAGATI ELECTRICALS PVT LTD	INDIA	
4	S372	SILKAANS ELECTRICALS MFG.CO.PVT.LTD	INDIA	
5	P237	PRECISE ELECTRICALS	INDIA	
6	P228	PRAGATI ELECTRICALS PVT LTD	INDIA	
7	N119	NARAYAN POWERTECH PVT LTD	INDIA	
8	K149	KALPA ELECTRIKAL PVT LTD	INDIA	
9	G135	GILBERT & MAXWELL ELECTRICALS PVT LTD	INDIA	

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Sr No	Supplier Code	Supplier Name	Country	Holiday Description
Item Code : 14MA		**Description :** MCB		
Approved Suppliers				
1	A372	ABB INDIA LTD	INDIA	
2	L071	LEGRAND (INDIA) PVT. LTD (FORM. M-006)	INDIA	
3	3824	HAVELLS INDIA LIMITED	INDIA	
4	4312	SIEMENS LIMITED	INDIA	
5	3888	POLYCAB INDIA LIMITED	INDIA	
6	3793	C & S ELECTRIC LTD	INDIA	
7	3726	NOVATEUR ELECTRICAL & DIGITAL SYSTEMS PVT. LTD.	INDIA	
8	S393	STANDARD ELECTRICALS LTD	INDIA	
9	I168	INDIANA CURRENT CONTROL LTD	INDIA	
10	S450	SCHNEIDER ELECTRIC INDIA PVT LTD	INDIA	

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Sr No	Supplier Code	Supplier Name	Country	Holiday Description
Item Code : 14MB		**Description :** MCCB		
Approved Suppliers				
1	G147	GE INDIA INDUSTRIAL PVT LTD	INDIA	
2	4312	SIEMENS LIMITED	INDIA	
3	S450A	SCHNEIDER ELECTRIC INDIA P LTD-HYDERABAD	INDIA	
4	A200B	ABB INDIA LTD	INDIA	

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Sr No	Supplier Code	Supplier Name	Country	Holiday Description
Item Code : 14MC		**Description :** METERS		
Approved Suppliers				
1	R042	RISHABH INSTRUMENTS LIMITED	INDIA	
2	4233	ELMEASURE INDIA PRIVATE LIMITED	INDIA	
3	M239	MECO INSTRUMENTS PVT LTD	INDIA	
4	A028A	AUTOMATIC ELECTRIC LTD.	INDIA	
5	S141	SECURE METERS LIMITED	INDIA	
6	3901	NEWTEK ELECTRICALS	INDIA	
7	N130	NIPPEN ELECTRICAL INSTRUMENTS CO.	INDIA	

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Sr No	Supplier Code	Supplier Name	Country	Holiday Description
Item Code : 14PB		**Description :** PUSH BUTTON AND INDICATING LAMPS		
Approved Suppliers				
1	E173	ESSEN DEINKI	INDIA	
2	P291	PRECIFINE PRODUCTS PVT. LTD.	INDIA	
3	3791	C & S ELECTRIC LTD	INDIA	
4	T166	TEKNIC ELECTRIC (I) PVT. LTD.	INDIA	
5	S450A	SCHNEIDER ELECTRIC INDIA P LTD-HYDERABAD	INDIA	
6	B002	BCH ELECTRIC LTD	INDIA	
7	4012	TEKMEC SWITCHGEAR & CONTROLS	INDIA	
8	4002	P.P. INDUSTRIES	INDIA	
9	S365	SHRI TULSI SWITCHGEARS PVT LTD	INDIA	
10	H142	HOTLINE SWITCHGEAR & CONTROLS	INDIA	
11	4312	SIEMENS LIMITED	INDIA	

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Sr No	Supplier Code	Supplier Name	Country	Holiday Description
Item Code : 14SA		**Description :** FUSE SWITCH COMBINATION		
Approved Suppliers				
1	L103	SCHNEIDER ELECTRIC INDIA PRIVATE LIMITED	INDIA	
2	G147	GE INDIA INDUSTRIAL PVT LTD	INDIA	
3	I013	NOVATEUR ELECTRICAL & DIGITAL SYSTEMS P	INDIA	
4	3790	C & S ELECTRIC LTD	INDIA	
5	S393	STANDARD ELECTRICALS LTD	INDIA	
6	3825	HAVELLS INDIA LIMITED	INDIA	
7	4312	SIEMENS LIMITED	INDIA	

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Sr No	Supplier Code	Supplier Name	Country	Holiday Description
Item Code : 14TA		**Description :** TIMERS		
Approved Suppliers				
1	E151	ELECTRONIC AUTOMATION PVT LTD	INDIA	
2	B002	BCH ELECTRIC LTD	INDIA	
3	4312	SIEMENS LIMITED	INDIA	

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Additional BPCL Vendor List for Electrical Items (Refer Notes as per Vendor List Preamble)

	SUPPLIER CODE	SUPPLIER NAME	COUNTRY	HOLIDAY DESCRIPTION
Item Code: 13BD Description: RELAY & CONTROL PANEL				
1	BPCL VC 120295	R.STAHL (P) LTD.	INDIA	
1	BPCL VC 120325	ABB INDIA LIMITED	INDIA	
Item Code: 13HC Description: BATTERIES-LEAD ACID (VRLA)				
2	BPCL VC 138626	IGA TECH INDUSTRIAL ELECTRONICS	INDIA	
2	BPCL VC 161946	CUMMINS SALES & SERVICE PVT LTD.	INDIA	
Item Code: 13HD Description: BATTERIES-NICKLE CADMIUM				
3	BPCL VC 312982	SUN BATTERY SHOPPE	INDIA	
Item Code: 13KA Description: TRANSFORMERS-POWER-ABOVE 5MVA				
4	BPCL VC 139893	EMCO LIMITED	INDIA	
4	BPCL VC 101407	RAYCHEM RPG PRIVATE LIMITED	INDIA	
Item Code: 13KB Description: TRANSFORMERS-DISTRIBUTION-UPTO 5MVA				
5	BPCL VC 139893	EMCO LIMITED	INDIA	
5	BPCL VC 100270	BHARAT BIJLEE LIMITED	INDIA	
Item Code: 13LA Description: LIGHTING FIXTURE & ACCESSORIES-HAZARDOUS				
6	BPCL VC 132472	PYROTECH ELECTRONICS PRIVATE LIMITED	INDIA	
6	BPCL VC 168748	WM ENERGY & LIGHTING PRIVATE LIMITED	INDIA	
6	BPCL VC 120295	R.STAHL (P) LTD.	INDIA	
6	BPCL VC 162049	INDUSTRIAL ELECTRO CONTROLS	INDIA	
Item Code: 13LD Description: HIGH MAST LIGHTING SYSTEM				
7	BPCL VC 171084	CONTRACTING SYNDICATE	INDIA	
7	BPCL VC 300456	CHASHMITA ENGINEERS PRIVATE LIMITED	INDIA	
Item Code: 13MA Description: JUNCTION BOXES (FLAME PROOF)				
8	BPCL VC 162049	INDUSTRIAL ELECTRO CONTROLS	INDIA	
Item Code: 13NC Description: EPABX SYSTEM				
9	BPCL VC 167774	ASCENT NETWORKS PRIVATE LTD	INDIA	

Item Code: 13PA Description: CAPACITORS-HIGH VOLTAGE				
10	BPCL VC 120325	ABB INDIA LIMITED	INDIA	
Item Code: 14BB Description: BUS DUCTS (MV)				
11	BPCL VC 333082	CASYON ENGINEERS AND CONSULTANTS	INDIA	
Item Code: 14CB Description: CABLE TERMINATION & JOINTING KIT				
12	BPCL VC 300990	TRANS ELECTRICALS (33 KV UE END only)	INDIA	
Item Code: 14HB Description: HEAT TRACERS				
13	BPCL VC 101407	RAYCHEM RPG PRIVATE LIMITED	INDIA	

INSTRUCTIONS TO VENDOR FOR HAZARDOUS AREA BULK ELECTRICAL ITEMS

(MR NO. B933-000-XR-MR-0510)

PROJECT : OVERALL PROJECT MANAGEMENT AS MPMC AND PMC /EPCM SERVICES FOR ETHYLENE CRACKER UNIT AND U&O FOR BPREP

OWNER : M/s BPCL – BINA

CONSULTANT: ENGINEERS INDIA LIMITED

JOB NO. : B957

Rev. No	Date	Purpose	Prepared by	Checked by	Approved by
A	12.02.26	ISSUED WITH MR	RS	RSR	RSR

1.0 SPECIAL INSTRUCTIONS TO BIDDERS

1.1 Bidder shall submit quotations only for those items which they can supply strictly as per MR specifications, defined in the MR.

1.2 The submission of prices by the bidder shall be construed to mean that he has confirmed compliance with all technical specifications of the corresponding item(s).

1.3 Equipments having following valid Test Certificates, approval/ license shall only be offered. All the certificates shall be as per latest codes and standards.

a) Certificates of CIMFR or any other recognized testing agency
b) PESO Certificate
c) Applicable Statutory Approvals
d) BIS license (For indigenous flameproof equipments, where insisted by statutory authorities)

1.4 The equipment shall be strictly in conformity with stipulations given in the certificates & certified drawings of testing agency.

1.5 The originals of the following documents shall be shown to the EIL inspector at the time of inspection:

a) Certificate of CIMFR or any other recognized testing agency.
b) Certified drawings of testing agency (CIMFR or equivalent).
c) Applicable statutory Approvals (CCOE)
d) BIS license (For flameproof indigenous equipments, where insisted by statutory authorities).

1.6 Bidder to note that no correspondence shall be entered into or entertained after the bid submission.

1.7 **Bidder to note that a pre-bid meeting shall be held in which the bidder can seek any clarification/ confirmation if required. Bidder shall ensure that this conference is attended by both technical and commercial personnel of the Vendor who should have thoroughly scrutinized the MR beforehand and who can take across the table decision so that all issues are finally resolved in this meeting.**

2.0 BIDDER SHALL NOTE THAT NO TECHNICAL QUESTIONNAIRE SHALL BE ISSUED. BIDDER SHALL ENSURE COMPLIANCE TO THE FOLLOWING:

2.1 Bidder has quoted for all items as per item description exactly as specified in MR and confirmed compliance to the scope of MR.

2.2 Un-priced copy of the priced bid with item description exactly as per MR has been furnished.

2.3 Bidder has furnished confirmation that there is no deviation to MR specifications.

2.4 The tentative cable size for the following MR items are mentioned below.

MR item no.	Item	Incoming cable size	Outgoing cable size
1.25 & 1.26	DCJB	1 Run x 3C x 10 mm2 Cu, XLPE FRLS cable	1 Run x 3C x 2.5 mm2 per outgoing circuit Cu, XLPE FRLS cable
01.027 & 01.030	6-way LP/PP	1 Run x 3.5C x 50 mm2 Al, XLPE FRLS cable	1 Run x 4C x 2.5 mm2 per outgoing circuit Cu, XLPE FRLS cable
01.028 & 01.031	12-Way LP/PP	1 Run x 3.5C x 70 mm2 Al, XLPE FRLS cable	1 Run x 4C x 2.5 mm2 per outgoing circuit Cu, XLPE FRLS cable
01.029 & 01.032	18-Way LP	1 Run x 3.5C x 95 mm2 Al, XLPE FRLS cable	1 Run x 4C x 2.5 mm2 per outgoing circuit Cu, XLPE FRLS cable

01.033	MOV DB-12 way	1 Run x 3.5C x 300 mm2 Al, XLPE FRLS cable	12 Runs x 3C x 10 mm2 Cu, XLPE Fire survival cable
1.045	Hydro jetting DB	2 Run x 3.5C x 300 mm2 Al, XLPE FRLS cable	2 Runs x 3.5C x 300 mm2 Al, XLPE FRLS cable
01.043	LCS-1	1 Run x 6P x 2.5 mm2 Cu, XLPE FRLS cable	NA
01.044	LCS-2	1 Run x 6P x 2.5 mm2 Cu, XLPE FRLS cable	NA

However, the final Cable sizes and cable dimensions shall be informed to successful vendor at the time of drawing review post order. Any change in cable size shall be taken care by the vendor without any time and cost implication to the owner and accordingly cable glands & lugs shall be supplied by vendor.

2.5 The CT ratio and ammeter range for local control station envisaged for motor shall be informed after order during drawing review, which shall be taken care by the vendor without any impact of cost & time to owner.

2.6 Cable sizes for items listed from sl. no. 01.034 to 01.040 shall be informed during post order stage & same shall be ensured without cost & time implication to owner.

2.7 Makes of components/ devices are exactly as specified in the MR.

2.8 All A-O-M selector switches shall be make before break type and shall be lockable in OFF position.

2.9 Flameproof Cable glands and sealing plugs shall be supplied with all items.

2.10 External hardware of all lighting fixtures, junction boxes, welding receptacles, 240V receptacles, local control stations, lighting/power panels shall be of stainless steel (SS-304).

2.11 Flameproof Cable glands and sealing plugs shall be supplied with all items. Flameproof Cable glands shall confirm to IS/IEC 60079-0. For instrumentation push button stations/lamp stations (01.034 to 01.040), NPT thread shall be considered as indicated elsewhere.

2.12 The lighting fixtures, junction boxes, 15 A sockets etc. shall be suitable for the termination of 3CX2.5 sqm (15 A sockets) / 4Cx2.5 sq (lighting fixtures/JB).

mm copper conductor, XLPE insulated armoured cable.

2.13 The two cable entries of 63 A welding sockets shall be suitable for the termination of 3.5Cx70 sq. mm (max.) and 3.5Cx70sq mm Al. conductor XLPE insulated armoured cable respectively.

2.14 Bidder has quoted unit rates for 2 years of operation and maintenance spares along with recommended quantity.

2.15 Bidder has furnished list of recommended maintenance spares for 2 years of trouble free operation along with quantity and unit price (the rates shall be inclusive of packing and transportation). However the spares shall include the following as a minimum:

a) Toughened Glass
b) Wire mesh
c) Lamps of each type
d) Lamp holder of each type
e) Clamps of each type
f) Flameproof plugs and socket
g) Push button element of each type
h) Clustered LED type indicating lamp of each type.
i) Selector switch
j) Ammeter
k) Driver for LED lamps.

Bidder shall specifically identify those spares out of the two years operation and maintenance spares, which would be required for commissioning of the offered flameproof control stations.

2.16 Cable lugs shall be crimping type of following material. All the cable lugs shall be long barrel type. Lugs having sector shaped/ circular barrel shall be used for making connections for cables having sector shaped/ circular geometry of conductor respectively. Lugs shall be as per the following:

S. No.	Description	Cable lug material
1.	Copper conductor cable & copper bus bar/ terminals	Tinned Copper
2.	Copper conductor cable & Aluminium bus bar/ terminals	Bi-metallic (Copper barrel with Aluminium palm)
3.	Aluminium conductor cable & Copper bus bar/ terminals	Bi-metallic (Aluminium barrel with tinned Copper palm)
4.	Aluminium conductor cable & Aluminium bus bar/ terminals	Aluminium

3.0 All items within a group shall be of same make & shall be compatible for use with associated item. Items within group shall not be split ordered.

4.0 FLAME PROOF MOV DISTRIBUTION BOARD (MR ITEM NO. 01.033)

MOV DB shall be provided for MOV power distribution in field. The MOV DB shall be flameproof (Ex-d) and weatherproof type for gas group IIA/ IIB, T3. Same shall be free standing floor mounting type/pedestal mounted type, dust and vermin proof with canopy suitable for outdoor installation. The DB shall be complete with the following:

a) 2 nos. Incomers, 415 V, 125A, TPN, 50kA (1 sec), MCCB (with O/C, S/C & E/F) and mechanical (castle key) interlock between incomer, voltmeter with selector Switches and ammeter with selector switches for each incomers with phase indication lamp. MCCB at incomer shall have 4-pole.

b) 12 nos. 415V TP outgoing feeders each rated 32A, 50kA (1sec) with MCCB (with O/C, S/C & E/F) with phase indication lamp.

c) Final cable size at outgoing terminals shall be informed to bidder during post order stage without any cost & time implication to owner.

d) 2 nos. control junction/marshalling box i.e. 1 for command and 1 for status with adequate terminals (including 10% spare terminals) shall be provided with each MOV DB.

Command control JB shall be suitable for 4 nos. 12P x 2.5 sq.mm. incoming cable and 12 nos. 4P x 2.5 sqmm. outgoing cable.
Status control JB shall be suitable for 4 nos. 12P x 2.5 sqmm incomer cable and 24 nos. 2P x 2.5 sqmm outgoing cable. Exact cable size shall be confirmed during drawing review/post order without any cost/time implication to owner.

e) Internal bus bars, suitable base frame/ pedestal, FLP & WP double compression nickel plated brass cable glands and lugs for all power & control cable terminations, metallic sealing plugs, SS-304 external hardware.

f) The pedestal shall be given coat of red oxide primer and finished with two coats of epoxy based paint.

g) Flame proof MOV distribution board shall be supplied in line with EIL specification, 6-51-0007 & attached data sheets.

h) LOTO facility shall be provided in MOV DB.

5.0 HYDRO BLASTING PANEL (MR ITEM NO. 01.045)

Hydro blasting panel shall be wall mounting type, flameproof and weatherproof type suitable for gas group IIA/ IIB, T3. Same shall be rated for 415V, TPN, 400A, 50kA (1Sec). Hydro blasting panel shall be provided in line with EIL specification, 6-51-0007 & attached datasheet B957-000-16-50-DS-9904. LOTO facility shall be provided in Hydro blasting panel.

6.0 MISCELLANEOUS REQUIREMENTS

6.1 For LED fixture, integral junction box shall be provided with 3 nos. cable entries for loop-in, loop-out and associated wiring to fixture. Alternatively 2 nos. cable entries for loop-in and loop-out shall be provided with internal wiring for driver and lamp.

6.2 All lighting fixtures shall be supplied complete with associated LED lamp and driver.

6.3 For light fitting, 4 core cables shall be used. 4 core cable for lighting shall be stranded type. Cables shall be connected at terminals with use of lugs.

6.4 FLP well glass light fitting shall be provided with SS304 wire guard (min 4 mmm thickness). However, flameproof focus LED lights need not be well glass type.

6.5 All lighting fixtures shall be supplied with fixture mounting nuts and bolts. All hardware of the lighting fixtures like nuts, bolts, mounting brackets for ceiling & column mounting and adaptors for installation on poles shall be with MOC of SS-304. However, Clamps/brackets mounting bolts & nuts are excluded from bidder's scope.

6.6 LED fixtures shall be supplied in line with attached data sheet (-DS-1001).

6.7 LED lamps and Drivers shall be provided with min. 5 years warranty period. Driver shall have valid BIS certification and the same shall be furnished during drawing review stage.

6.8 Surge suppressor for LED fitting shall be suitable for 10KV. LED fitting driver shall take care of neutral opening for long sustained cases.

6.9 All hardware such as nut, Bolts & washers used for light fittings, JBs etc shall be of SS304 material.

6.10 The LED light fixtures should be tested for luminous lux level as per IES-LM-79. Type test certificates shall be furnished in compliance to same. Type test certificates for LM-79 for all fixtures shall be from a NABL (National Accreditation Board for Testing and Calibration Laboratories) accredited Lab or UL Laboratory.

6.11 The LED's used in the lighting fixtures should be tested for the service life as per IES-LM-80. Type test certificates shall be furnished in compliance to same.

6.12 The LED Driver shall comply with the requirement of IEC 61347-2-13.

6.13 LED fixtures shall be complete with internal reflectors. No external reflector is envisaged for LED.

6.14 Lighting fixtures reserved for use in 240 Volt AC Emergency Circuit shall have additional RED Circular ring marking for identification purpose for hazardous area identification. This detail shall be furnished to successful bidder during detailed engineering.

6.15 Manufacturers shall ensure that all LED panels are sourced from reputed LED manufacturers.

6.16 All fixtures shall be latest energy efficient type.

6.17 Make of fixtures shall be embossed on the body of the lighting fixtures.

6.18 Vendor shall indicate the following parameters as a minimum in fixture drawings:

- Offered Fixture Wattage and LED Wattage
- Actual Consumption of Fixture
- Driver Consumption
- Fixture Life time
- Luminous Efficacy of fixture
- Lumen Output of Fixture
- Tolerance for Voltage and wattage rating
- Power factor of Fixture
- Beam Angle of Lighting Fixture
- Weight of Fixture
- LED LAMP and Driver Warranty Period
- Driver Surge Protection
- Compliance to IEC-61347-2-13 for LED Driver
- BIS Certification no. for Driver
- Driver Make and Model No.
- LED Make and Model no.
- LED type i.e. COB (Chip on Board) or Multichip etc.
- Quantity of Fixtures
- No. of Cable entries for Fixture along with quantity of FLP Cable glands and FLP Stopper plug.

- PESO/CIMFR/BIS License certificates numbers along with dates.
- Filled up Table -1 (refer last Page of this document)

6.19 The successful vendor shall submit the IES files of all LED lighting fixtures during detail engineering for record.

6.20 Lighting fixtures in MR Item No. 01.001 to 01.005, 01.007 to 01.011 shall be suitable for operation on 240V±10%, 50 Hz±5% & Luminaries with controllers & drivers must be suitable for a working voltage range of 150 to 270 Volts, 50 Hz, AC, 1 phase AC supply. Lighting fixtures in MR Item No. 01.006 & 01.012 shall be suitable for operation on 110V + 15% to -10%, DC supply.

6.21 Lighting fixtures shall comply to IS 16101, IS16102, IS 16103 Part-1, IS 16103 Part-2, IS 16106, IS 16107-Part-1 and IS 16107-Part-2 Sec-1.

6.22 All push button stations/local control station/MOV DB/lamp stations shall be provided with 2 nos. earthing lugs/studs.

6.23 Stainless Steel hardware along with stainless steel grooves shall be provided.

6.24 All push button and control switch contacts shall be rated for min. 5 A at 240V AC-15 and 2 A at 110V DC-13 duty.

6.25 FRP canopy shall be provided for Sockets (MR item no. 01.013, 01.015, 01.017, 01.019, 01.050 & 01.052), DCJB (MR item no. 01.025 & 01.026), Lighting Panel and Power Panel (MR item no. 01.027 to 01.032), MOV Distribution board (MR Item no.01.033), Local Control Station (MR item no. 01.043 to 01.044), hydro blasting DB (01.045) and item listed from 01.034 to 01.040.

6.26 Refer Cl. 7.2.2 of EIL specification 6-51-0061, following modification shall be applicable.

6.27 The mounting bolts of stainless steel, SS-304 required for physically connecting the hazardous area well glass lighting fixtures (bracket/ ceiling mounted type) to the respective mounting bracket shall be supplied by Vendor.

6.28 Refer Note-11 of 6-51-0006 Rev-06, Vendor to note that L-O-R selector switch (A-O-M selector switch) shall be provided with two contacts per position.

6.29 Packaging of electrical equipment shall also include plastic wrapping for transportation from works to Site.

6.30 Bidder to ensure that 24V, 3-pin plug part of MR item no. 01.018 & 01.020 shall not be inserted in 240V, 3-pin socket (MR item no. 01.017 & 01.019).

6.31 Transformer unit (MR item no 01.048 & 01.049) shall be suitable for connecting two nos. flameproof hand lamps.

6.32 MR item no. 01.013 & 01.015, For maintenance 3 phase (415V 3P + N + E), 125A Power sockets shall be provided so as to ensure complete coverage of the plant through 50-meter radius.

6.33 Acrylic protective cover shall be provided on the stop push button of LCS.

6.34 Stop push buttons shall have provision of putting LOTO locks and padlocks.

6.35 Design of sockets shall be such that 240V & 24V plugs are not interchangeable. Details of sockets, 240V plug and 24V plug shall be informed during detail engineering.

6.36 FLP handlamps (item no 01.047) shall be LED based.

6.37 Each circuit of LP/PP shall be of 2 pole RCCB (30mA).

6.38 All push button stations/local control station/MOV DB/hydro jetting DB/lamp stations shall be provided with 2 nos. earthing lugs/studs.

6.39 Field ammeter suitable for 4-20mA signal. Ammeter provided at push-button station shall be 240-degree taut band moving coil type.

6.40 All hazardous area equipment shall have hazardous area test certificates and approvals as per following:

For Indigenous manufactured hazardous area equipment:

For all electrical items manufactured in India, the testing shall be carried out & test report issued by Indian test laboratory recognized by the Chief Controller of Explosives shall be furnished. For Ex protection Electric Apparatus having flameproof type protection, a copy of valid BIS license shall be furnished.

Alternatively, IECEx Certificate of Conformity, valid copy of IECEx Quality Assessment Report (summary) and IECEx Test Report shall be furnished.

For Imported hazardous area equipment:

For all electrical items manufactured outside India, test report issued by Indian test laboratory recognized by the Chief Controller of Explosives shall be furnished. For Ex protection Electric Apparatus having flameproof type protection, a copy of valid BIS license shall be furnished.

As an alternative option-1 to this, IECEx Certificate of Conformity, valid copy of IECEx Quality Assessment Report (summary) and IECEx Test Report shall be furnished.

As an alternative option-2 to this, EU Type Examination Certificate, which is applicable for manufacturers having manufacturing locations in countries covered under the European Union, valid copy of Production Quality Assessment / Assurance Notification shall be furnished.

All equipment i.e. Indigenous & imported, shall also have valid statutory approvals, as applicable for the specified location and marking as per IS/IEC 60079 and as required by statutory authorities. For installations in India, PESO approval letter shall be provided.

7.0 ITEMS FOR INSTRUMENTATION

Bidder shall quote all items as per MR top sheet (sl. no. 01.034 to 01.040) & the descriptions as per enclosed Annexure-1. In case of any mismatch, same shall be highlighted by bidder.

7.0 Make of equipments /components shall be as below:

Make of various equipments/ components shall be as per attached doc. (B933-000-16-50-VL-0510).

ANNEXURE-1

DESCRIPTION: PUSH-BUTTONS / SWITCHES / LAMP STATION REQUIREMENT	TARGET DEPARTMENT: ELECTRICAL

A. EMERGENCY PUSH-BUTTON STATIONS (MR ITEM NO. 01.040)

S. NO.	AREA	ITEM	CONTACT REQ. (TYPE, QTY, RATING)	ENCLOSURE TYPE	CABLE ENTRY (Note-2)	REMARKS	COLOUR	QTY. (NOS).
1.	CDU/VDU	ESD PB	Stay-put type 2 NO + 2 NC 2A, 24 V DC	Weatherproof to IP 65. Explosion-proof (Exd) suitable for Zone 1, Gas Group - IIC	½" NPT(F)	Mushroom head. Push to break contact. Rotate to release. With acrylic protective cover	Red	02
2.	OFFSITES (052)	ESD PB	Stay-put type 2 NO + 2 NC 2A, 24 V DC	Weatherproof to IP 65. Explosion-proof (Exd) suitable for Zone 1, Gas Group - IIC	½" NPT(F)	Mushroom head. Push to break contact. Rotate to release. With acrylic protective cover	Red	20
3.	ARU	ESD PB	Stay-put type 2 NO + 2 NC 2A, 24 V DC	Weatherproof to IP 65. Explosion-proof (Exd) suitable for Zone 1, Gas Group - IIC	½" NPT(F)	Mushroom head. Push to break contact. Rotate to release. With acrylic protective cover	Red	02
4.	BBU	ESD PB	Stay-put type 2 NO + 2 NC 2A, 24 V DC	Weatherproof to IP 65. Explosion-proof (Exd) suitable for Zone 1, Gas Group - IIC	½" NPT(F)	Mushroom head. Push to break contact. Rotate to release. With acrylic protective cover	Red	04

Notes:

1. The push-button station shall be provided with mounting accessories like U-Clamp, Bolts & nuts suitable for mounting on 2" pipe.
2. 2 nos. of cable entries shall be provided for each push button with one entry fitted with an Exd metallic plug.
3. Each push-button shall be provided with SS tag plate.
4. All cable terminals shall be suitable for 2.5 sqmm.

B. FMR PUSH BUTTON STATIONS (MR ITEM NO. 01.039)

S. NO.	AREA	ITEM	CONTACT REQ. (TYPE, QTY, RATING)	ENCLOSURE TYPE	CABLE ENTRY (Note-2)	REMARKS	COLOUR	QTY. (NOS).
1.	CDU/VDU	FMR PB	Momentary type 2 NO + 2 NC 2A, 24 V DC	Weatherproof to IP 65. Explosion-proof (Exd) suitable for Zone 1, Gas Group - IIC	½" NPT(F)	Push to make contact. With acrylic protective cover	Green	40
2.	LPGTU	FMR PB	Momentary type 2 NO + 2 NC 2A, 24 V DC	Weatherproof to IP 65. Explosion-proof (Exd) suitable for Zone 1, Gas Group - IIC	½" NPT(F)	Push to make contact. With acrylic protective cover	Green	02
3.	ARU	FMR PB	Momentary type 2 NO + 2 NC 2A, 24 V DC	Weatherproof to IP 65. Explosion-proof (Exd) suitable for Zone 1, Gas Group - IIC	½" NPT(F)	Push to make contact. With acrylic protective cover	Green	02
4.	OHCU	FMR PB	Momentary type 2 NO + 2 NC	Weatherproof to IP 65.	½" NPT(F)	Push to make contact.	Green	02

			2A, 24 V DC	Explosion-proof (Exd) suitable for Zone 1, Gas Group - IIC		With acrylic protective cover		
5.	BBU	FMR PB	Momentary type 2 NO + 2 NC 2A, 24 V DC	Weatherproof to IP 65. Explosion-proof (Exd) suitable for Zone 1, Gas Group - IIC	½" NPT(F)	Push to make contact. With acrylic protective cover	Green	28

Notes:

1. The push-button station shall be provided with mounting accessories like U-Clamp, Bolts & nuts suitable for mounting on 2" pipe.
2. 2 nos. of cable entries shall be provided for each push button with one entry fitted with an Exd metallic plug.
3. Each push-button shall be provided with SS tag plate.
4. All cable terminals shall be suitable for 2.5 sqmm.

C. OPEN PUSH-BUTTON STATIONS (MR ITEM NO. 01.038)

S. NO.	AREA	ITEM	CONTACT REQ. (TYPE, QTY, RATING)	ENCLOSURE TYPE	CABLE ENTRY (Note-2)	REMARKS	COLOUR	QTY. (NOS).
1.	BBU	OPEN PB	OPEN PB Momentary type 2 NO + 2 NC 2A, 24 V DC	Weatherproof to IP 65. Explosion-proof (Exd) suitable for Zone 1, Gas Group - IIC	½" NPT(F)	Push to make contact. With acrylic protective cover	Green	10

Notes:

1. The push-button station shall be provided with mounting accessories like U-Clamp, Bolts & nuts suitable for mounting on 2" pipe.
2. 2 nos. of cable entries shall be provided for each push button with one entry fitted with an Exd metallic plug.
3. Each push-button shall be provided with SS tag plate.
4. All cable terminals shall be suitable for 2.5 sqmm

D. CLOSE PUSH-BUTTON STATIONS (MR ITEM NO. 01.034)

S. NO.	AREA	ITEM	CONTACT REQ. (TYPE, QTY, RATING)	ENCLOSURE TYPE	CABLE ENTRY (Note-2)	REMARKS	COLOUR	QTY. (NOS).
1.	CDU/VDU	CLOSE PB	CLOSE PB Stay-put type 2 NO + 2 NC 2A, 24 V DC	Weatherproof to IP 65. Explosion-proof (Exd) suitable for Zone 1, Gas Group - IIC	½" NPT(F)	Push to break contact. With acrylic protective cover	Red	80
2.	LPGTU	CLOSE PB	CLOSE PB Stay-put type 2 NO + 2 NC 2A, 24 V DC	Weatherproof to IP 65. Explosion-proof (Exd) suitable for Zone 1, Gas Group - IIC	½" NPT(F)	Push to break contact. With acrylic protective cover	Red	06
3.	BBU	CLOSE PB	CLOSE PB Stay-put type 2 NO + 2 NC 2A, 24 V DC	Weatherproof to IP 65. Explosion-proof (Exd) suitable for Zone 1, Gas Group - IIC	½" NPT(F)	Push to break contact. With acrylic protective cover	Red	03

Notes:

1. The push-button station shall be provided with mounting accessories like U-Clamp, Bolts & nuts suitable for mounting on 2" pipe.
2. 2 nos. of cable entries shall be provided for each push button with one entry fitted with an Exd metallic plug.
3. Each push-button shall be provided with SS tag plate.
4. All cable terminals shall be suitable for 2.5 sqmm

E. PUSH-BUTTON STATIONS [2 NOS. PUSH-BUTTONS (OPEN & CLOSE) PER STATION] (MR ITEM NO. 01.035)

S. NO.	AREA	ITEM	CONTACT REQ. (TYPE, QTY, RATING)	ENCLOSURE TYPE	CABLE ENTRY (Note-2)	REMARKS	COLOUR	QTY. (NOS).
1.	CDU/VDU	PB STATION	OPEN PB Momentary type 2 NO + 2 NC 2A, 24 V DC	Weatherproof to IP 65. Explosion-proof (Exd) suitable for Zone 1, Gas Group - IIC	½" NPT(F)	Push to make contact. With acrylic protective cover	Green	05
			CLOSE PB Stay-put type 2 NO + 2 NC 2A, 24 V DC	Weatherproof to IP 65. Explosion-proof (Exd) suitable for Zone 1, Gas Group - IIC	½" NPT(F)	Push to break contact. With acrylic protective cover	Red	
2.	PENEX	PB STATION	OPEN PB Momentary type 2 NO + 2 NC 2A, 24 V DC	Weatherproof to IP 65. Explosion-proof (Exd) suitable for Zone 1, Gas Group - IIC	½" NPT(F)	Push to make contact. With acrylic protective cover	Green	01
			CLOSE PB Stay-put type 2 NO + 2 NC 2A, 24 V DC	Weatherproof to IP 65. Explosion-proof (Exd) suitable for Zone 1, Gas Group - IIC	½" NPT(F)	Push to break contact. With acrylic protective cover	Red	
3.	OFFSITES (052)	PB STATION	OPEN PB Momentary type 2 NO + 2 NC 2A, 24 V DC	Weatherproof to IP 65. Explosion-proof (Exd) suitable for Zone 1, Gas Group - IIC	½" NPT(F)	Push to make contact. With acrylic protective cover	Green	36
			CLOSE PB Stay-put type 2 NO + 2 NC 2A, 24 V DC	Weatherproof to IP 65. Explosion-proof (Exd) suitable for Zone 1, Gas Group - IIC	½" NPT(F)	Push to break contact. With acrylic protective cover	Red	

Notes:

1. Each push-button station shall be provided with two (2) push buttons, comprising one (1) open push-button and one (1) close push-button, as detailed in the table above.
2. The push-button station shall be provided with mounting accessories like U-Clamp, Bolts & nuts suitable for mounting on 2" pipe.
3. 2 nos. of cable entries shall be provided for each push button with one entry fitted with an Exd metallic plug.
4. Each push-button shall be provided with SS tag plate.
5. All cable terminals shall be suitable for 2.5 sqmm

F. PUSH-BUTTON AND LAMP STATIONS [2 NOS. PUSH-BUTTONS AND 2 NOS. LAMPS (OPEN & CLOSE) PER STATION] (MR ITEM NO. 01.037)

S. NO.	AREA	ITEM	CONTACT REQ. (TYPE, QTY, RATING)	ENCLOSURE TYPE	CABLE ENTRY (Note-2)	REMARKS	COLOUR	QTY. (NOS) .
1.	OFFSITES (052)	PB & LAMP STATION	OPEN PB Momentary type 2 NO + 2 NC 2A, 24 V DC	Weatherproof to IP 65. Explosion-proof (Exd) suitable for Zone 1, Gas Group -IIC	½" NPT(F)	Push to make contact. With acrylic protective cover	Green	20
			CLOSE PB Stay-put type 2 NO + 2 NC 2A, 24 V DC	Weatherproof to IP 65. Explosion-proof (Exd) suitable for Zone 1, Gas Group -IIC	½" NPT(F)	Push to break contact. With acrylic protective cover	Red	
			OPEN INDICATION LAMP LED Cluster type lamp 110 V AC	Weatherproof to IP 65. Explosion-proof (Exd) suitable for Zone 1, Gas Group -IIC	½" NPT(F)		Green	
			CLOSE INDICATION LAMP LED Cluster type lamp 110 V AC	Weatherproof to IP 65. Explosion-proof (Exd) suitable for Zone 1, Gas Group -IIC	½" NPT(F)		Red	

Notes:

1. Each push-button station shall be provided with two (2) push buttons and two (2) lamps, comprising one (1) open push-button, one (1) open indication lamp, one (1) close push-button and one (1) close indication lamp, as detailed in the table above.
2. The push-button and lamp station shall be provided with mounting accessories like U-Clamp, Bolts & nuts suitable for mounting on 2" pipe.
3. 2 nos. of cable entries shall be provided for each push button and lamp respectively with one entry fitted with an Exd metallic plug.
4. Each push-button and lamp shall be provided with SS tag plate.
5. All cable terminals shall be suitable for 2.5 sqmm

G. LAMP STATIONS (2 NOS. LAMPS PER STATION) (MR ITEM NO. 01.036)

S. NO.	AREA	ITEM	CONTACT REQ. (TYPE, QTY, RATING)	ENCLOSURE TYPE	CABLE ENTRY (Note-2)	REMARKS	COLOUR	QTY. (NOS).
1.	OFFSITES (052)	LAMP STATION	OPEN INDICATION LAMP LED Cluster type lamp 110 V AC	Weatherproof to IP 65. Explosion-proof (Exd) suitable for Zone 1, Gas Group -IIC	½" NPT(F)		Green	36
			CLOSE INDICATION LAMP LED Cluster type lamp 110 V AC	Weatherproof to IP 65. Explosion-proof (Exd) suitable for Zone 1, Gas Group -IIC	½" NPT(F)		Red	

Notes:

1. Each lamp station shall be provided with two (2) lamps, comprising one (1) open indication lamp and one (1) close indication lamp, as detailed in the table above.
2. The lamp station shall be provided with mounting accessories like U-Clamp, Bolts & nuts suitable for mounting on 2" pipe.
3. 2 nos. of cable entries shall be provided for each lamp with one entry fitted with an Exd metallic plug.
4. Each lamp shall be provided with SS tag plate.
5. All cable terminals shall be suitable for 2.5 sqmm

TABLE-1

MR Item No./Tag no.	Offered Model No.	Voltage Rating	Lumens output (Lumens)		Luminous efficacy (Lm/watt)		Wattage (Watts)		L70 life at 45 deg C		Overall Power factor	Type test certificate (Yes / No)
			Fixture	LED	Fixture	LED	Fixture	LED	Fixture	LED		

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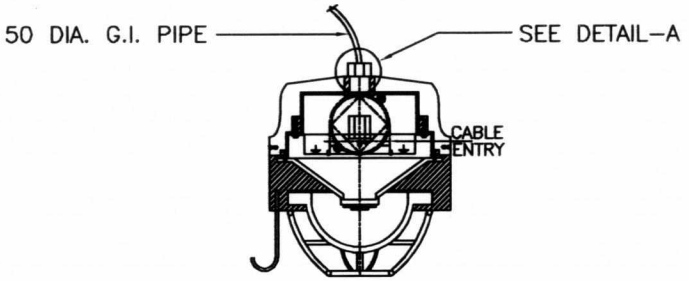
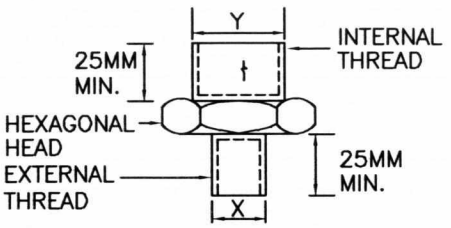


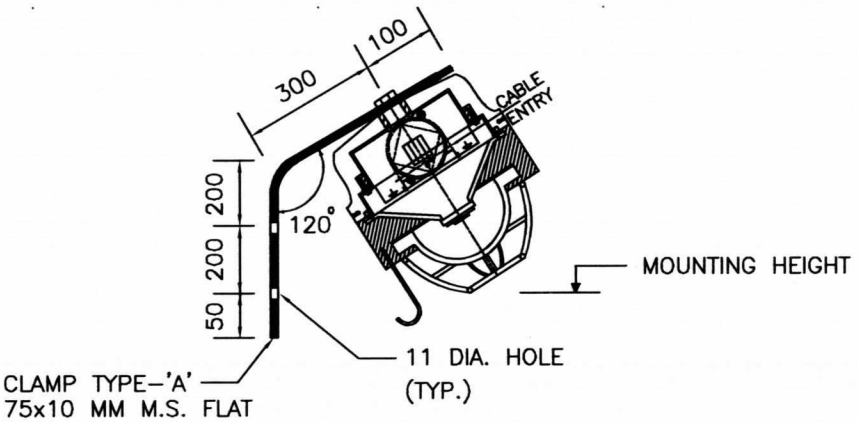
DETAIL–1
POLE MOUNTED



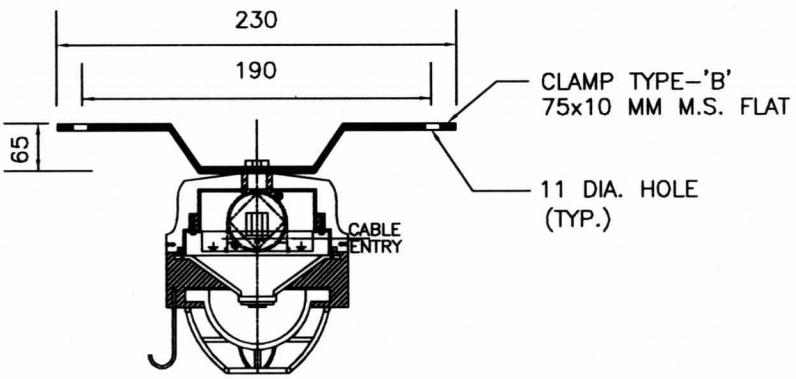
DETAIL–A
(ADAPTOR)

DIMENSIONS	
X	Y
*TO SUIT 19 DIA.	TO SUIT 50 DIA.

* ALTERNATIVELY SIZE TO SUIT FIXTURE



DETAIL–2
BRACKET MOUNTED



DETAIL–3
CEILING MOUNTED

NOTES:–

1. ALL DIMENSIONS ARE IN MM.
2. SUPPORT ACCESSORIES VIZ THE BRACKET, CEILING ADAPTOR SHALL BE PAINTED WITH EPOXY BASED PAINT.

Rev. No.	Date	Purpose	Prepared by	Checked by	Stds. Committee Convenor	Stds. Bureau Chairman
					Approved by	
6	15.09.22	REAFFIRMED & ISSUED AS STANDARD	JSK	VKS/HK	MKS	SM
5	26.02.18	UPDATED & ISSUED AS STANDARD	RSD	VKS/HK	BRB	RN
4	17.07.13	REAFFIRMED & ISSUED AS STANDARD	BP	FA/SA	UAP/JMS	DM

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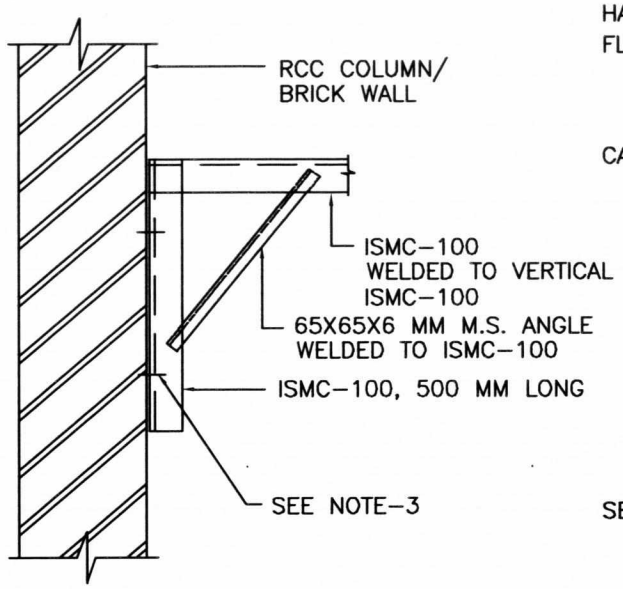
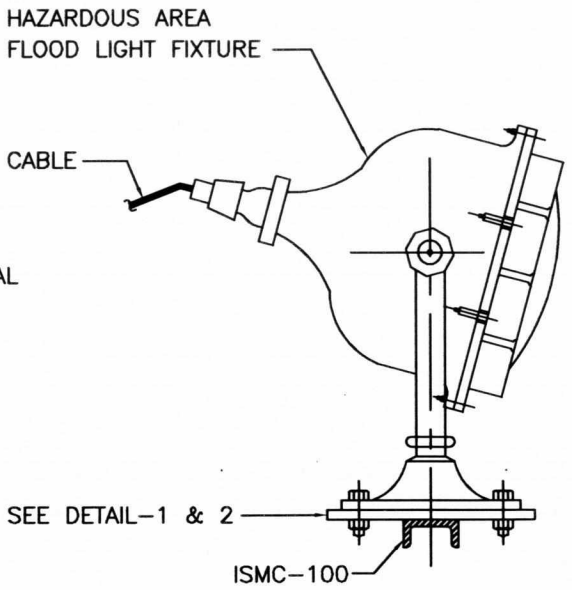
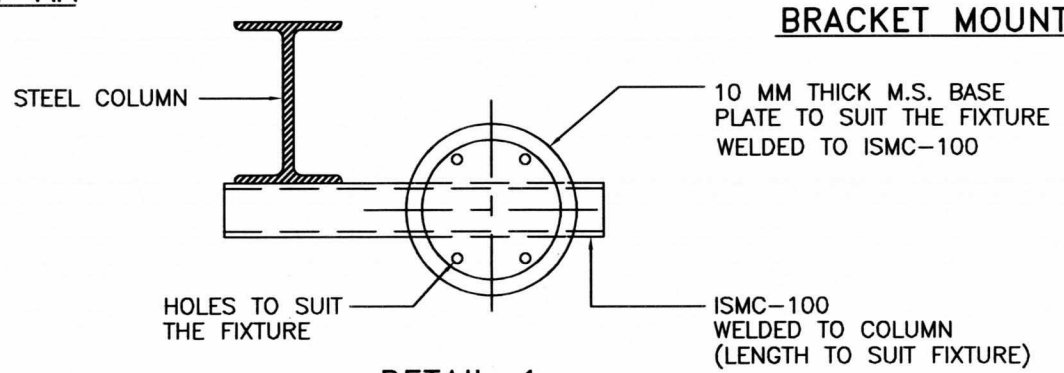


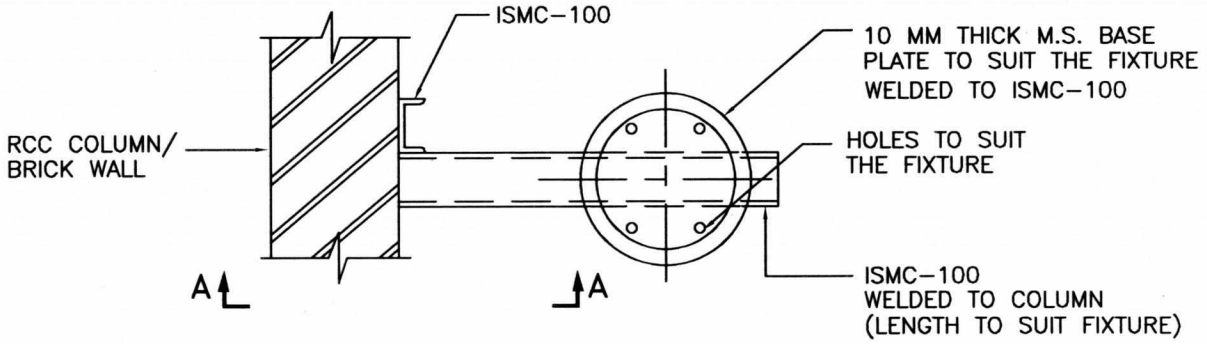
VIEW–AA



ELEVATION
BRACKET MOUNTED



DETAIL–1
MOUNTED ON STEEL COLUMN



DETAIL–2
MOUNTED ON RCC COLUMN/BRICK WALL

NOTES:–

1. ALL DIMENSIONS ARE IN MM.
2. WHERE FIRE PROOFING COLUMNS / STRUCTURES ARE ENCOUNTERED FIXTURE/ JUNCTION BOX AND CABLE/CONDUIT SHALL BE INSTALLED ON A SUITABLE DEEP LEGGED ANGLE IRON FRAME / DISTANCE BRACKET.
3. SUPPORT FOR FLOOD LIGHT FIXTURE SHALL BE SUITABLY FIXED TO RCC COLUMN/ BRICK WALL BY USING ANCHOR FASTENER.

Rev. No.	Date	Purpose	Prepared by	Checked by	Stds. Committee Convenor	Stds. Bureau Chairman
					Approved by	
6	15.09.22	REAFFIRMED & ISSUED AS STANDARD	JSK	VKS/HK	MKS	SM
5	22.02.18	UPDATED & ISSUED AS STANDARD	BP	VKS/HK	BRB	RN
4	17.07.13	REAFFIRMED & ISSUED AS STANDARD	BP	FA/SA	UAP/JMS	DM

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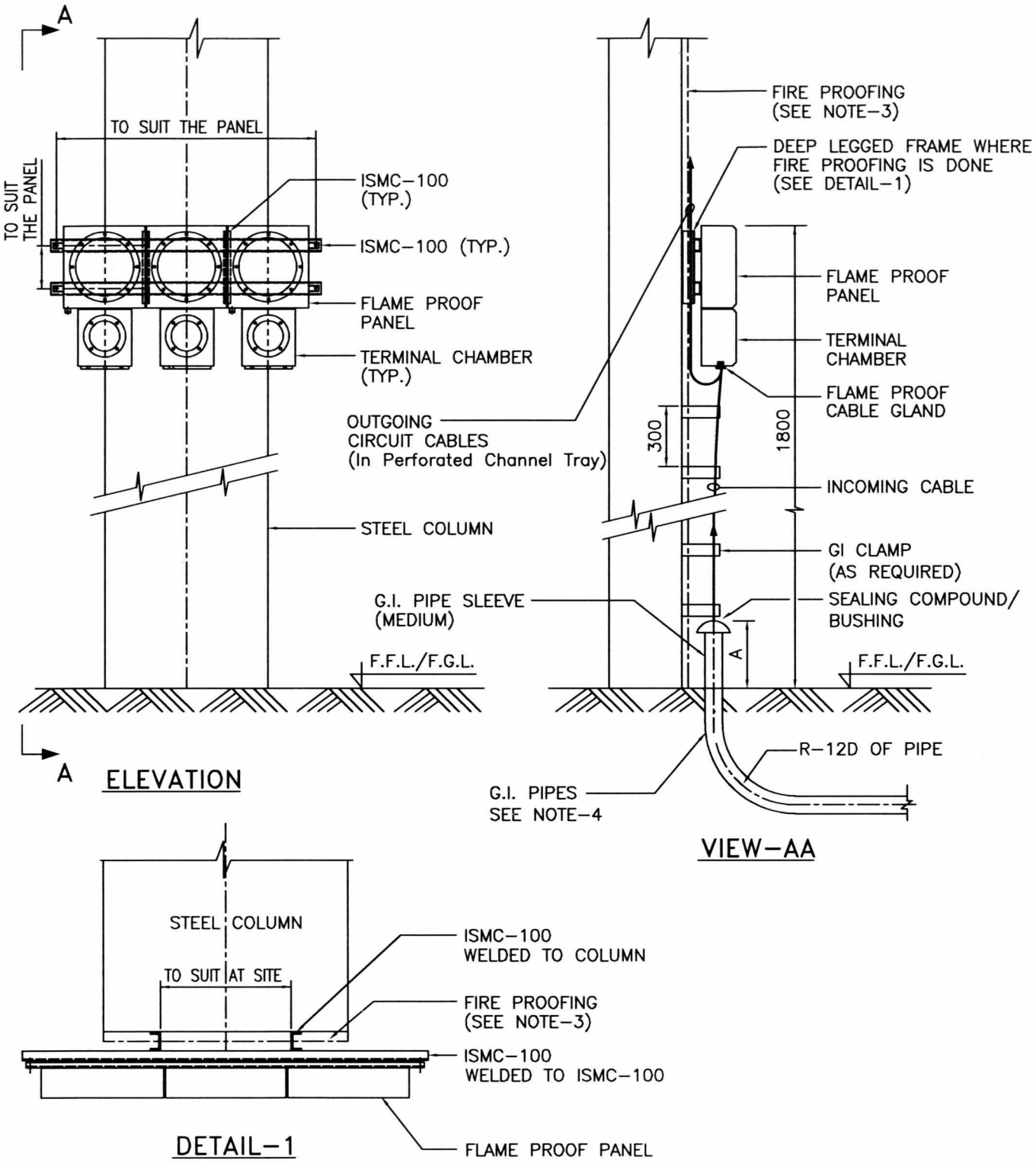

NOTES:–

A= { 150 MM (MIN.) FOR INDOOR LOCATIONS. / 300 MM (MIN.) FOR OUTDOOR LOCATIONS.

1. ALL DIMENSIONS ARE IN MM.
2. THE SUPPORT STRUCTURES SHALL BE PAINTED WITH SAME PAINT, AS FOLLOWED FOR CORRESPONDING STRUCTURE.
3. WHERE FIRE PROOFING COLUMNS / STRUCTURES ARE ENCOUNTERED, FLAME PROOF PANEL AND CABLE SHALL BE INSTALLED ON A SUITABLE DEEP LEGGED CHANNEL FRAME / DISTANCE BRACKET.
4. QUANTITY AND SIZE OF PIPE SLEEVES SHALL BE AS PER LAYOUT DRAWINGS.

Rev. No.	Date	Purpose	Prepared by	Checked by	Stds. Committee Convenor	Stds. Bureau Chairman
					Approved by	
6	25.08.23	UPDATED & ISSUED AS STANDARD	SONU	VKS/HK	MKS	SM
5	16.07.18	UPDATED & ISSUED AS STANDARD	RSD	VKS/HK	BRB	RKT
4	17.07.13	REAFFIRMED & ISSUED AS STANDARD	BP	FA/SA	UAP/JMS	DM

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अग्निरोधक नियंत्रण स्टेशन के लिए विनिर्देश

SPECIFICATION FOR FLAMEPROOF CONTROL STATIONS

Rev. No	Date	Purpose	Prepared by	Checked by	Standards Committee Convenor	Standards Bureau Chairman
					Approved by	
6	29.9.20	REVISED AND ISSUED AS STANDARD SPECIFICATION	NNB/ RKS	ANPS	SA	SM
5	24.02.16	REVISED AND ISSUED AS STANDARD SPECIFICATION	NNB/AK	ANPS	BRB	SC
4	11.04.11	REVISED AND ISSUED AS STANDARD SPECIFICATION	PS	ANPS	UAP	DM
3	24.08.07	REVISED AND ISSUED AS STANDARD SPECIFICATION	ANPS	UAP	JMS	VC
2	30.01.02	REVISED AND ISSUED AS STANDARD SPECIFICATION	UAP	AAN	VPS	GRR

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Abbreviations:

AC	Alternating Current
BIS	Bureau of Indian Standards
CEA	Central Electricity Authority
CT	Current Transformer
DC	Direct Current
FRLS	Flame Retardant Low Smoke
FRP	Fibre Reinforced Plastic
GI	Galvanised Iron
IEC	International Electro-technical Commission
IP	Ingress Protection
IS	Indian Standards
LED	Light Emitting Diodes
LV	Low Voltage
MR	Material Requisition
NABL	National Accreditation Board for Testing and Calibration Laboratories
PB	Push Button
PESO	Petroleum and Explosives Safety Organisation
PVC	Poly Vinyl Chloride
SMD	Surface Mounted Device
SWG	Standard Wire Gauge
XLPE	Cross Linked Poly Ethylene

Electrical Standards Committee

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1.0 SCOPE

This specification covers the requirements of design, manufacture, testing, packing and supply of flameproof control stations and accessories suitable for installation in locations handling flammable liquids and gases/ vapors.

2.0 CODES AND STANDARDS

2.1 The equipment shall comply with the requirements of latest revision of the following standards issued by BIS:

IS-5	: Colours for ready mixed paints and enamels.
IS-1248	: Direct acting indicating analogue measuring instruments and their accessories.
IS / IEC 60079-0	: Electrical apparatus for explosive gas atmospheres (General Requirements).
IS / IEC 60079-1	: Electrical apparatus for explosive gas atmospheres (Equipment Protection by Flameproof Enclosures "d").
IS / IEC 60529	: Degree of protection provided by enclosures (IP Code).
IS / IEC 60947	: LV switchgear and control gear.

2.2 In case of imported equipment, only IECEx (or equivalent, if more stringent than the applicable IEC) certified equipment shall be used.

2.3 The equipment shall also confirm to the provisions of CEA Regulations with latest amendments and other statutory regulations currently in force in the country.

2.4 In case Indian standards are not available for any equipment, standards issued by IEC or equivalent agency (if more stringent than IEC) shall be applicable.

2.5 In case of any conflict between requirements specified in various applicable documents for the project, the most stringent requirement shall govern. However, Owner/ EIL's decision in this regard will be final and binding.

3.0 GENERAL REQUIREMENTS

3.1 The offered equipment shall be brand new with state of art technology and having proven field track record. No prototype equipment shall be offered.

3.2 Vendor shall ensure availability of spare parts and maintenance support services for the offered equipment for at least 10 years from the date of supply.

4.0 SITE CONDITIONS

The equipment shall be suitable for installation and satisfactory operation in classified hazardous locations in tropical, humid and corrosive atmosphere as prevalent in refineries, petrochemical and fertilizer plants. Unless otherwise specified, a design ambient temperature of 40° C and an altitude not exceeding 1000 m above mean sea level shall be considered.

5.0 CERTIFICATION

The equipment shall have test certificates issued by NABL-approved/ Central Government labs in India/ IECEx-approved/ equivalent labs). All equipment (indigenous & imported) shall also have valid statutory approvals as applicable for the specified location and marking as per IS/ IEC 60079 or IEC 60079 and as required by statutory authorities. All indigenous flameproof equipment shall have valid BIS license.

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6.0 TECHNICAL REQUIREMENTS

6.1 Construction

6.1.1 The enclosures of the control stations shall be made of cast light metal alloy, unless otherwise specified. The enclosures of the control stations intended for use in units handling sulphuric acid/ other corrosive materials shall be made of stainless steel grade SS-316L, if specified in MR/ tender.

6.1.2 The control stations shall be suitable for use in outdoor open locations and shall have minimum IP-55 degree of protection. They shall preferably be provided with integral canopy. However, where the enclosure has been certified without integral canopy, a separate canopy can be accepted. The separate canopy shall be made of at least 1.6 mm (16 gauge) galvanised sheet steel/ FRP/ stainless steel minimum SS-304 (as specified in purchase specifications). The canopy shall be suitable for providing protection against rain from top, back and two sides.

6.1.3 The control station enclosure shall be provided with gaskets for IP, if required by equipment certification. Gaskets, wherever provided, shall be made of non-inflammable and self-extinguishing material.

6.1.4 All metal surfaces shall undergo manufacturer's standard cleaning/ painting/ powder coating cycle. After surface preparation, the equipment shall be painted with two coats of epoxy based final paint or epoxy powder coated with minimum coating thickness of 80 microns, with colour shade as below:

- Flame proof (Gas group IIA/ IIB) : Dark admiralty grey shade 632 of IS-5/ RAL 7031
- Flame proof (Gas group IIC) : Light yellow shade 355 of IS-5/ RAL 1012

All unpainted parts shall be suitably treated to prevent rust formation/ corrosion. If these parts are moving then these shall be greased. Grease, which does not solidify, shall be applied to flamepath. However, in case of Stainless Steel control stations, finish shall be Electropolish/ Buffed/ equivalent finish.

6.1.5 Equipment shall be marked as per IS/IEC 60079.

6.1.6 All accessories like nuts, bolts, washers etc. and operating shaft of push buttons, switches etc. shall be made of stainless steel SS-304. Alternatively, Nickel-plated brass material may be used for the operating shafts of push buttons, switches etc.

6.1.7 The control stations shall be provided with two earthing studs (minimum M10 bolt, nut with spring and plain washer) with lugs on the external surface of the enclosures suitable for termination of 8 SWG GI wire. No screw type fixing arrangement shall be allowed.

6.1.8 The control station shall be provided with two cable entries at bottom, and one entry to be blocked with flameproof nickel plated brass sealing plug, unless otherwise specified. Required number of flameproof double compression nickel plated brass cable glands shall be provided. The cable termination chamber of the control station shall be large enough to provide a minimum space of 100mm between top of the cable gland and bottom of the terminal block.

6.1.9 The control stations shall have external fixing lugs for mounting on wall or column. The holes provided on these lugs shall be of oblong type.

6.1.10 A tag plate indicating Tag Number shall be provided on each control station. A nameplate shall be provided to indicate the Name of Manufacturer, test certificate number, serial number, BIS license number, applicable gas group etc. as per IS/IEC 60079 and any additional marking required by statutory authority like approval no. etc. The nameplates shall be engraved type or laser-marked and permanently fixed on the equipment. In case the standard details given above are embossed on the enclosures, the same need not be repeated on the name plate. All

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tag plates shall be engraved, 3 ply laminate fixed with screws and name plate shall be Al anodized or SS-304 engraved or laser-marked and fixed with rivets.

6.1.11 All flameproof control stations shall be suitable for 240V AC as well as 110V/ 220V DC control supply.

6.2 Component Specification

6.2.1 Push buttons for START/ OPEN and STOP/ CLOSE shall be of GREEN and RED colour respectively. The STOP push button shall be mushroom type with stay put feature and lockable in pressed position. Refer Sketch 1 for wiring and other details for various types of local control stations.

6.2.2 All selector switches shall have minimum two poles for each position. Each position of switch shall be indelibly marked on the control station. Exact configuration of selector switch (e.g. LOCAL-OFF-REMOTE) shall be as per datasheet/ MR requirement.

6.2.3 All ammeters shall be of moving iron type having an accuracy class of 1.5 and suitable for 1 Ampere CT secondary. Minimum size of ammeter shall be either 72mm x 72 mm or 65 mm diameter. 80% of the scale length shall cover 100% of the CT primary current uniformly and the balance 20% of the scale shall cover 100-800% of the CT primary. A red mark corresponding to the full load current of the motor shall be provided on the ammeter dial. The ammeter front glass shall be toughened.

6.2.4 Indicating lamp(s) wherever provided shall be clustered LED type or SMD chip type LED with colour lens of minimum 25mm diameter.

6.3 Terminals & Wiring

6.3.1 The control stations shall be provided with sufficient number of terminals. More than 2 wires per terminal shall not be permitted. If required, additional terminal with shorting link may be used. Each terminal for external cable connection shall be suitable for termination of 2.5 mm^2 (unless otherwise specified) stranded copper conductor. Tinned copper lugs shall be provided for cable termination wherever applicable.

6.3.2 All internal wiring shall employ 1.5 mm^2, 660V/ 1100V grade, FRLS type, XLPE/ PVC insulated copper conductor wires. All termination shall be with suitable lugs.

7.0 INSPECTION, TESTING AND ACCEPTANCE

7.1 During fabrication, the equipment shall be subjected to inspection by EIL/ Owner or by an agency authorized by the Owner, as per agreed Inspection Test Plan. Manufacturer shall furnish all necessary information concerning the supply to EIL/ Owner's inspector. All routine/acceptance tests shall be carried out at manufacturer's works under his care & expense.

7.2 Type test certificates from NABL-approved/ Central Government Labs in India/ IECEx-certified/ equivalent Labs, Manufacturer's works test reports, applicable PESO approval and BIS license shall be shown to the inspection agency on demand during inspection. The certificates, BIS license and PESO approval must be valid at the time of despatch.

7.3 Test certificates of bought out components shall be submitted to the inspection agency, as per Inspection and Test Plan no. 6-81-1006.

7.4 All equipments shall be subjected to various routine / acceptance tests as per Inspection and Test Plan no. 6-81-1006.

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8.0 PACKING AND DESPATCH

All the equipment shall be divided into several sections for protection and ease of handling during transportation. The equipment shall be properly packed for the selected mode of transportation, i.e. by ship/ rail or trailer, and shall be wrapped in polythene sheets before being placed in crates/ cases to prevent damage to finish. The crates/ cases shall have skid bottom for handling. Special notations such as 'Fragile', 'This side up', 'Center of gravity', 'Weight', 'Owner's particulars', 'PO no.' etc., shall be clearly marked on the packages together with other details as per purchase order.

The equipment may be stored outdoors for long periods before installation. The packing should be suitable for outdoor storage in areas with heavy rains and high ambient temperature unless otherwise agreed. A set of instruction manuals for installation, testing and commissioning, a set of operation & maintenance manuals and a set of final drawing shall be enclosed in a waterproof cover along with the shipment.

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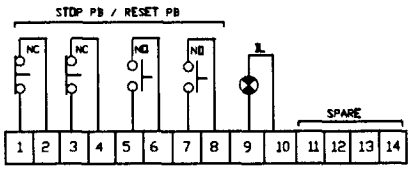
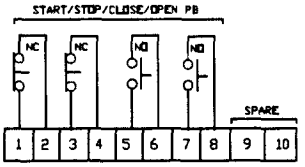
SKETCH-1

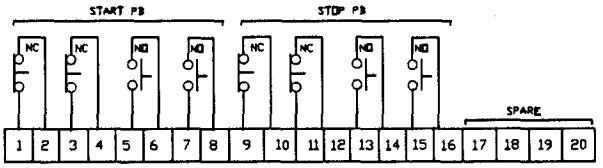
WIRING DETAILS OF LOCAL CONTROL STATIONS



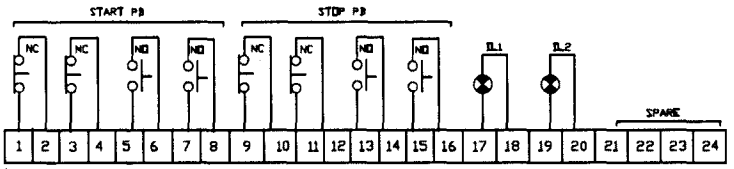
TYPE-A1 (STOP P.B. WITH LAMP)
OR
(RESET P.B. WITH LAMP)
(CABLE SIZE : 4Px2.5 Sq.mm)



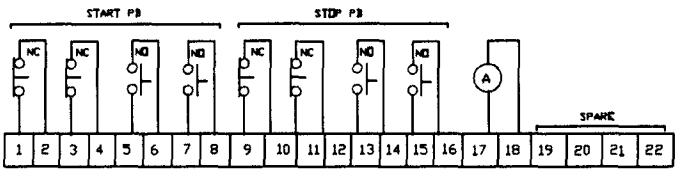
TYPE-A2
(START PB) OR (STOP PB) OR (CLOSE PB) OR (OPEN PB)
(CABLE SIZE : 2Px2.5 Sq.mm)



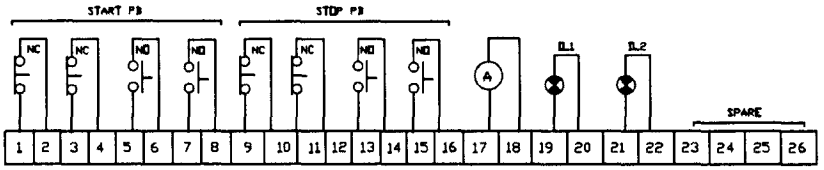
TYPE-B1 (WITH START & STOP PBs) OR (WITH CLOSE & OPEN PBs)
(CABLE SIZE : 4Px2.5 Sq.mm)



TYPE-B2 (WITH START & STOP PBs & INDICATION LAMPS)
OR
(WITH CLOSE & OPEN PBs & INDICATION LAMPS)
(CABLE SIZE : 6Px2.5 Sq.mm)



TYPE-C1 (WITH START & STOP PBs & AMMETER)
(CABLE SIZE : 4Px2.5 Sq.mm)



TYPE-C2 (WITH START & STOP PBs, AMMETER & INDICATION LAMPS)
(CABLE SIZE : 6Px2.5 Sq.mm)

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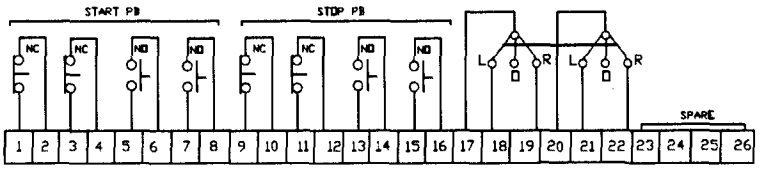
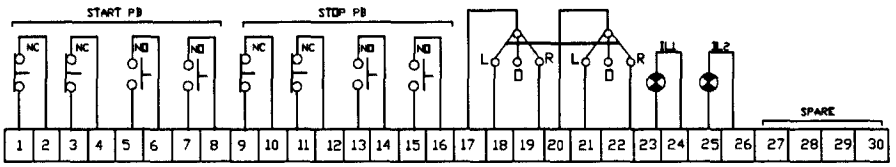
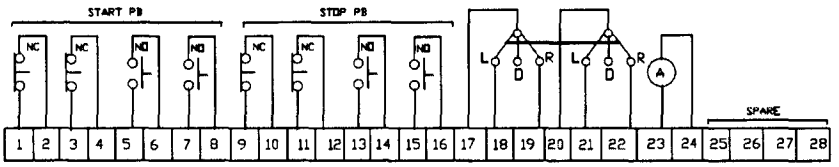


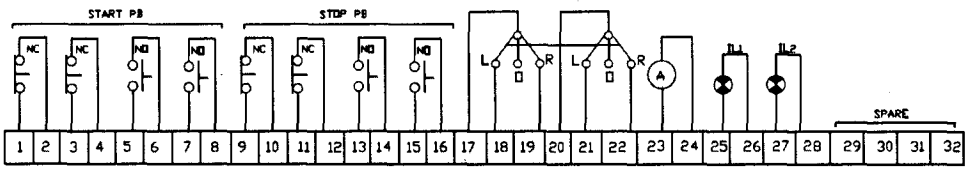
TYPE–D1 (WITH START & STOP PBs & L–O–R SELECTOR SWITCH)
(CABLE SIZE : 6Px2.5 Sq.mm) (REFER NOTE–11)



TYPE–D2 (WITH START & STOP PBs, L–O–R SELECTOR SWITCH & INDICATION LAMPS)
(CABLE SIZE : 12Px2.5 Sq.mm) (REFER NOTE–11)



TYPE–E1 (WITH START & STOP PBs, AMMETER & L–O–R SELECTOR SWITCH)
(CABLE SIZE : 6Px2.5 Sq.mm) (REFER NOTE–11)



TYPE–E2 (WITH START & STOP PBs, AMMETER, L–O–R SELECTOR SWITCH & INDICATION LAMPS)
(CABLE SIZE : 12Px2.5 Sq.mm) (REFER NOTE–11)

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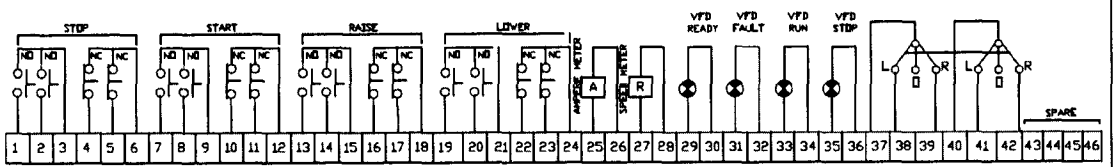
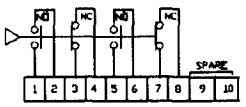
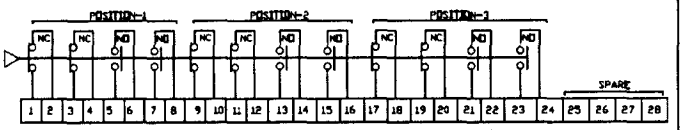


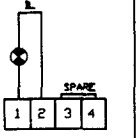
TYPE–F (WITH START & STOP PBs, RAISE & LOWER PBs, L–O–R SWITCH, AMPERE METER, SPEED METER & INDICATING LAMPS) (REFER NOTE–5,6,7)
(CABLE SIZE : 12Px2.5 Sq.mm)



TYPE–11
SEL SWITCH (2POSITION)



TYPE–12 SEL SWITCH (3POSITION)



TYPE–13
(LAMP STATION)

GENERAL NOTES:

1. SHORTING LINKS SHALL BE PROVIDED BY VENDOR. REQUIREMENT SHALL BE INFORMED DURING VENDOR DRAWING REVIEW.
2. WIRING DETAILS SHALL BE READ IN CONJUNCTION WITH MR/TENDER.
3. CABLE SIZES AS INDICATED ABOVE ARE TENTATIVE AND MINIMUM. EXACT CABLE SIZES SHALL BE INFORMED DURING VENDOR DRAWING REVIEW. VENDOR TO PROVIDE REQUIRED SIZE OF CABLE TERMINATION CHAMBER WITH SUITABLE TERMINALS, CABLE ENTRIES, CABLE GLANDS AND LUGS. CROSS SECTIONAL AREA SHALL BE 2.5 SQ.MM, UNLESS OTHERWISE SPECIFIED.
4. AMMETER WHEREVER PROVIDED, SHALL BE ANALOGUE OR 4–20mA TYPE AS DEFINED IN MR/TENDER.
5. FOR VFD LCS, LAMP SUPPLY VOLTAGE SHALL BE SAME AS VFD CONTROL SUPPLY VOLTAGE.
6. FOR VFD LCS, IF EXTERNAL SUPPLY IS REQUIRED FOR METERS, THEN SAME SHALL BE AS VFD CONTROL SUPPLY VOLTAGE.
7. METERS IN VFD LCS SHALL BE SUITABLE FOR 4–20mA TRANSDUCER OUTPUTS AND SHALL BE CALIBRATED FOR THE ACTUAL MOTOR CURRENT. FOR DRIVERS WITH BYPASS FACILITY, METERS SHALL BE CAPABLE OF READING BYPASS MODE FULL LOAD AND STARTING CURRENTS AS WELL AS VFD MODE DRIVE CURRENT.
8. NUMBER AND COLOUR OF INDICATING LAMPS SHALL BE AS PER THE JOB SPECIFATION/TENDER.
9. LCS TYPE "I" ARE TYPICALLY FOR INSTRUMENTATION USE.
10. ALL PUSH BUTTON AND CONTROL SWITCH CONTACTS SHALL BE RATED FOR MINIMUM 5A AT 240V(AC–15) AND 1A AT 110V(DC–13) DUTY. CONTACT RATINGS FOR LCS FOR INSTRUMENTATION USE SHALL BE AS PER INSTRUMENTATION REQUIREMENT.
11. SECOND CONTACT OF L–O–R SWITCH REQUIRED ONLY WHERE DCS INTERFACE IS REQUIRED BY INSTRUMENTATION.
12. THE EXACT DESCRIPTION OF PB'S WHETHER START/STOP OR OPEN/CLOSE SHALL BE INFORMED DURING VENDOR DRAWING REVIEW.
13. ALL L–O–R SELECTOR SWITCHES SHALL BE LOCKABLE IN OFF POSITION.

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अग्निरोधक लाइटिंग और पावर पैनलों के लिए विनिर्देश

SPECIFICATION FOR FLAMEPROOF LIGHTING AND POWER PANELS

Rev. No	Date	Purpose	Prepared by	Checked by	Standards Committee Convenor	Standards Bureau Chairman
					Approved by	
6	22.03.21	REVISED AND ISSUED AS STANDARD SPECIFICATION	RKS	ANPS	PG	SM
5	24.02.16	REVISED AND ISSUED AS STANDARD SPECIFICATION	NNB/AK	ANPS	BRB	SC
4	11.04.11	REVISED AND ISSUED AS STANDARD SPECIFICATION	PS	ANPS	UAP	DM
3	24.08.07	REVISED AND ISSUED AS STANDARD SPECIFICATION	ANPS	UAP	JMS	VC
2	30.01.02	REVISED AND ISSUED AS STANDARD SPECIFICATION	UAP	AAN	VPS	GRR

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Abbreviations:

AC	Alternating Current
BIS	Bureau of Indian Standards
CEA	Central Electricity Authority
DGMS	Directorate General of Mines Safety
EIL	Engineers India Limited
ELCB	Earth Leakage Circuit Breaker
FRLS	Flame Retardant Low Smoke
GI	Galvanized Iron
IEC	International Electro-technical Commission
IP	Ingress Protection
IS	Indian Standards
LV	Low Voltage
MCB	Miniature Circuit Breaker
MR	Material Requisition
NABL	National Accreditation Board for Testing and Calibration Laboratories
PESO	Petroleum and Explosives Safety Organisation
PO	Purchase Order
PVC	Poly Vinyl Chloride
SPN	Single Phase and Neutral
SS	Stainless Steel
TPN	Three Phases and Neutral
XLPE	Cross Linked Poly Ethylene

Electrical Standards Committee

Convenor: Mr. Parag Gupta

Members:
Mr. M. K. Sahu
Ms. Arvind N. P. Singh
Mr. Harish Kumar
Ms. Shalini Verma
Mr. Raman Sood
Mr. V. K. Jain
Ms. Shirali Aggarwal
Mr. Ayush Mathur (Projects)
Mr. Rajesh Sinha (Inspection)

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1.0 SCOPE

This specification covers the requirements of design, manufacture, testing, packing and supply of flameproof Lighting and Power panels/ accessories suitable for installation in locations handling flammable liquids and gases / vapours.

2.0 CODES AND STANDARDS

2.1 The equipment shall comply with the requirements of latest revision of the following standards issued by BIS:

IS-5	:	Colours for ready mixed paints and enamels
IS-12640	:	Residual current operated circuit breakers
IS / IEC 60079-0	:	Electrical apparatus for explosive gas atmospheres (General requirements)
IS / IEC 60079-1	:	Electrical apparatus for explosive gas atmospheres (Equipment Protection by Flameproof Enclosures "d")
IS / IEC 60529	:	Degree of protection provided by enclosures (IP Code)
IS / IEC 60898	:	Electrical Accessories - circuit breakers for over protection for household and similar installations
IS / IEC 60947	:	LV switchgear and control gear.

2.2 In case of imported equipment, only IECEx (or equivalent, if more stringent than the applicable IEC) certified equipment shall be used.

2.3 The equipment shall also confirm to the provisions of CEA Regulations with latest amendments and other statutory regulations currently in force in the country.

2.4 In case Indian standards are not available for any equipment, standards issued by IEC or equivalent agency (if more stringent than IEC) shall be applicable.

2.5 In case of any conflict between requirements specified in various applicable documents for the project, the most stringent requirement shall govern. However, Owner's/ EIL's decision in this regard will be final and binding.

3.0 GENERAL REQUIREMENTS

3.1 The offered equipment shall be brand new with state of art technology and having proven field track record. No prototype equipment shall be offered.

3.2 Vendor shall ensure availability of spare parts and maintenance support services for the offered equipment for at least 10 years from the date of supply.

4.0 SITE CONDITIONS

The equipment shall be suitable for installation and satisfactory operation in classified hazardous locations in tropical, humid and corrosive atmosphere as prevalent in refineries, petrochemical and fertilizer plants. The lighting and power panels shall be designed to operate under site conditions as specified in the data sheet. If not specifically mentioned therein, a design ambient temperature of 40° C and an altitude not exceeding 1000m above mean sea level shall be considered.

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5.0 POWER SUPPLY

5.1 Lighting and power panels shall be suitable for 415V, 50Hz, TPN incoming power supply and outgoing circuits for 240V, SPN power supply.

5.2 For projects falling under the jurisdiction of DGMS, the following additional requirements shall apply:

5.2.1 The phase-to-phase voltage shall not exceed 125V (where electric lighting is used in underground mine)/ 250V (where electric lighting is used in open cast mine or surface of a mine), with the neutral or the mid-point of the lighting system connected with earth.

5.2.2 The panels shall have three phase, 3-wire system, without neutral.

5.2.3 Outgoing circuits shall be controlled by 2-pole MCBs. Earth leakage protection shall be provided for all outgoing circuits, which shall isolate both poles.

6.0 CERTIFICATION

The equipment shall have test certificates issued by NABL-approved/ Central Government labs in India/ IECEx-approved/ equivalent labs. All equipment (indigenous & imported) shall also have valid statutory approvals, as applicable, for the specified location, and marking as per IS/IEC 60079 and as required by statutory authorities. All indigenous flameproof equipment shall have valid BIS license.

7.0 TECHNICAL REQUIREMENTS

7.1 Construction

7.1.1 The enclosures of the lighting and power panels shall be made of cast light metal alloy, unless otherwise specified. The enclosures of the lighting and power panels intended for use in units handling sulphuric acid/ other corrosive materials shall be made of stainless steel grade SS-316L, if specified in MR/ Tender.

7.1.2 The panels shall be suitable for use in outdoor open locations and shall have minimum IP-55 degree of protection. They shall preferably be provided with integral canopy. However, where the enclosure has been certified without integral canopy, a separate canopy can be accepted. The separate canopy shall be made of at least 1.6 mm (16 gauge) galvanized sheet steel/ stainless steel minimum SS-304 (as specified in MR/ Tender). The canopy shall be suitable for providing protection against rain from top, back and two sides.

7.1.3 The lighting and power panels shall be provided with gaskets made of non-inflammable and self-extinguishing material.

7.1.4 All metal surfaces shall undergo manufacturer's standard cleaning/ painting/ powder coating cycle. After surface preparation, the panels shall be painted with two coats of epoxy based final paint or epoxy powder coated with minimum coating thickness of 80 microns, with colour shade as below:

- Flame proof Exd (Gas group IIA/IIB): Dark admiralty grey shade 632 of IS-5/ RAL 7031
- Flame proof Exd (Gas group IIC): Light yellow shade 355 of IS-5/ RAL 1012.

All unpainted steel parts shall be suitably treated to prevent rust formation/ corrosion. If these parts are moving elements, then these shall be greased with non-solidifying grease. However, in case of stainless steel lighting and power panels, finish shall be Electropolish/ Buffed/ equivalent finish.

7.1.5 A warning inscription "DO NOT OPEN WHEN ENERGIZED" shall be provided on each enclosure. The warning inscription shall be embossed on the enclosure or a separate warning plate with above inscription shall be fixed to the enclosure with screws. The warning plate shall be of nickel plated brass or stainless steel.

7.1.6 All accessories like nuts, bolts, washers etc. shall be made of stainless steel SS-304.

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7.1.7 All the non-current carrying metallic parts of the panel shall be inherently bonded together. Each lighting and power panel shall be provided with two earthing studs (bolt, nut with spring and plain washer) with lugs on the exterior of the panel enclosure suitable for termination of 10 mm dia GI wire rope. No screw type fixing arrangement shall be allowed.

7.1.8 Each outgoing feeder shall be provided with distinct terminals for phase, neutral and earth. The terminal block enclosures shall be adequately sized to properly terminate the cables by taking into account the required bending radii of cable cores and shall have the following minimum gland to terminal distances:

Conductor Size	Up to 2.5 mm^2	Above 2.5 mm^2 & Up to 10 mm^2	Above 10 mm^2 & Up to 35 mm^2	Above 35 mm^2 & Up to 95 mm^2
Gland to terminal distance	40 mm	60 mm	100 mm	150 mm

7.1.9 The panels shall be provided with suitably sized cable entries at the bottom/ sides, for incoming and outgoing cables. Panels shall be complete with double compression type nickel plated brass flameproof cable glands. Flameproof nickel plated brass sealing plugs shall be supplied, for plugging the unused cable entries. The quantity of sealing plugs shall be equal to 20% of the total number of outgoing cable entries.

7.1.10 The panels shall have external fixing lugs for mounting on wall or column. The holes provided on these lugs shall be of oblong type.

7.1.11 A tag plate indicating Tag Number, engraved, 3 ply laminate fixed with screws, shall be provided on each lighting and power panel. Nameplates shall also be provided for each incoming and outgoing feeder. A separate nameplate shall be provided to indicate the name of manufacturer, testing agency, test certificate number, serial number, BIS license number, applicable gas group as per IS/IEC 60079, statutory agency (PESO) approval number and any additional marking required by statutory authority. The nameplates shall be Al anodized or SS-304 engraved type or laser-marked and permanently fixed on the equipment. In case the standard details given above are embossed on the enclosures, the same need not be repeated on the name plate.

7.2 Component Specification

7.2.1 Bus bars in the lighting and power panels shall be made of high conductivity copper, and shall be supported by non-hygroscopic insulators. Bus bars shall be colour coded for identification of phases and neutral.

7.2.2 The incomer shall have one no. 4 pole MCB isolator (without overload and short-circuit release) and one no. 4 pole ELCB (if specified in the MR/ Tender). ELCBs shall have a maximum sensitivity of 30mA.

7.2.3 The outgoing feeders shall be provided with double pole MCBs having overload and short-circuit releases. Further, separate 2 pole ELCBs with maximum sensitivity of 30mA shall be provided for outgoing feeders if specified in MR/ Tender.

7.2.4 All MCBs (except isolators) and ELCBs shall be with 10kA interrupting capacity.

7.2.5 The ELCB shall be hand reset type. Door mounted reset push button shall be provided for ELCB.

7.2.6 The operating knobs (ON/ OFF/ RESET) shall be provided with a suitable rack and pinion arrangement or cam type operating mechanism for operating them smoothly from outside.

7.3 Terminals & Wiring

7.3.1 The panels shall be provided with sufficient number of terminals. More than 2 wires per terminal shall not be permitted. If required, additional terminal with shorting link may be

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used. Tinned Copper lugs shall be provided for cable termination. Incoming and outgoing terminals shall be suitably segregated.

7.3.2 All internal wiring in lighting and power panels shall employ adequately sized, 660V/ 1100V grade, FRLS type, XLPE/ PVC insulated, Copper conductor wires, colour coded for phase, neutral and earth, with minimum conductor sizes as below:

Incomer : 16 mm²

Outgoing : 2.5 mm²

All terminations shall be with suitable lugs.

8.0 INSPECTION, TESTING AND ACCEPTANCE

8.1 During fabrication, the equipment shall be subjected to inspection by EIL/ Owner or by an agency authorised by the Owner, as per agreed Inspection Test Plan. Manufacturer shall furnish all necessary information concerning the supply to EIL/ Owner's inspector. All routine/ acceptance tests shall be carried out at manufacturer's works under his care and expense.

8.2 Type test certificates from NABL-approved/ Central Government Labs in India/ IECEx-certified/ equivalent Labs, Manufacturer's works test reports, applicable PESO approval and BIS license shall be shown to the inspection agency on demand during inspection. The certificates, BIS license and PESO approval must be valid at the time of despatch.

8.3 Test certificates of bought out components shall be submitted to the inspection agency, as per inspection and Test Plan no. 6-81-1008.

8.4 All equipments shall be subjected to various routine/ acceptance tests as per Inspection and Test plan no. 6-81-1008.

9.0 PACKING AND DESPATCH

All the equipment shall be divided into several sections for protection and ease of handling during transportation. The equipment shall be properly packed for the selected mode of transportation, i.e. by ship/ rail or trailer and shall be wrapped in polythene sheets before being placed in crates/ cases to prevent damage to finish. The crates/ cases shall have skid bottom for handling. Special notations such as 'Fragile', 'This side up', 'Center of gravity', 'Weight', 'Owner's particulars', 'PO no.' etc., shall be clearly marked on the packages together with other details as per purchase order.

The equipment may be stored outdoors for long periods before installation. The packing should be suitable for outdoor storage in areas with heavy rains and high ambient temperature unless otherwise agreed. A set of instruction manuals for installation, testing and commissioning, a set of operation & maintenance manuals and a set of final drawing shall be enclosed in a waterproof cover along with the shipment.

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अग्निरोधक प्लगों, साकेटों तथा हैंडलैम्पों के लिए विनिर्देश

SPECIFICATION FOR FLAMEPROOF PLUGS, SOCKETS AND HAND LAMPS

Rev. No	Date	Purpose	Prepared by	Checked by	Standards Committee Convenor	Standards Bureau Chairman
					Approved by	
6	31.08.20	REVISED AND ISSUED AS STANDARD SPECIFICATION	NNB/AR	ANPS	SA	SM
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4	11.04.11	REVISED AND ISSUED AS STANDARD SPECIFICATION	PS	ANPS	UAP	DM
3	29.08.07	REVISED AND ISSUED AS STANDARD SPECIFICATION	ANPS	UAP	JMS	VC
2	30.01.02	REVISED AND ISSUED AS STANDARD SPECIFICATION	UAP	AAN	VPS	GRR

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Abbreviations:

BIS	Bureau of Indian Standards
BS	British Standard
CEA	Central Electricity Authority
COB	Chip On Board
DGMS	Directorate General of Mines Safety
DOB	Driver On Board
ES	Edison Screw
FRLS	Flame Retardant Low Smoke
FRP	Fibre Reinforced Plastic
GI	Galvanised Iron
HRC	High Rupturing Capacity
IEC	International Electrotechnical Commission
IEEE	Institute of Electrical & Electronics Engineers
IP	Ingress Protection
IS	Indian Standard
LED	Light Emitting Diode
LV	Low Voltage
NABL	National Accreditation Board for Testing and Calibration Laboratories
NEMA	National Electrical Manufacturers Association
PCB	Printed Circuit Board
PESO	Petroleum and Explosives Safety Organisation
PVC	Poly Vinyl Chloride
RCCB	Residual Current Circuit Breaker
SPN	Single Phase Neutral
SS	Stainless Steel
TPN	Three Phase Neutral
VDE	Verband der Elektrotechnik, Elektronik und Information stechnik

Electrical Standards Committee

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1.0 SCOPE

This specification covers the requirements of design, manufacture, testing, packing and supply of flameproof plugs, sockets, transformers, hand lamps and accessories suitable for installation in locations handling flammable liquids and gases/ vapours.

2.0 CODES AND STANDARDS

2.1 The equipment shall comply with the requirements of latest revision of the following standards issued by BIS:

IS-5	:	Colours for ready mixed paints and enamels.
IS-10322	:	Luminaires
IS-13383	:	Photometry of luminaires - Method of measurement
IS-16101	:	General lighting – LEDs and LED modules – Terms and definitions.
IS-16102	:	Self-ballasted LED lamps for general lighting services.
IS / IEC 60079-0	:	Electrical apparatus for explosive gas atmospheres (General Requirements).
IS / IEC 60079-1	:	Electrical apparatus for explosive gas atmospheres (Equipment Protection by Flameproof Enclosures “d”).
IS / IEC 60529	:	Degrees of protection provided by enclosures (IP Code).
IS / IEC 60947	:	LV switchgear and control gear.

National Lighting Code (NLC)-2010

2.2 In case of imported equipment, only IECEx (or equivalent, if more stringent than the applicable IEC) certified equipment shall be used.

2.3 The equipment shall also conform to the provisions of CEA Regulations with latest amendments and other statutory regulations currently in force in the country.

2.4 In case Indian standards are not available for any equipment, standards issued by IEC or equivalent agency (if more stringent than IEC) shall be applicable.

2.5 In case of any conflict between requirements specified in various applicable documents for the project, the most stringent requirement shall govern. However, Owner’s/ EIL’s decision in this regard will be final and binding.

3.0 GENERAL REQUIREMENTS

3.1 The offered equipment shall be brand new with state of art technology and having proven field track record. No prototype equipment shall be offered.

3.2 Vendor shall ensure availability of spare parts and maintenance support services for the offered equipment for at least 10 years from the date of supply.

4.0 SITE CONDITIONS

The equipment shall be suitable for installation and satisfactory operation in classified hazardous locations in tropical, humid and corrosive atmosphere as prevalent in refineries, petrochemical and fertilizer plants. Unless otherwise specified, a design ambient temperature of 40° C and an altitude not exceeding 1000 m above mean sea level shall be considered.

5.0 CERTIFICATION

The equipment shall have test certificates issued by NABL-approved/ Central Government labs in India/ IECEx-approved/ equivalent labs. All equipment (indigenous & imported) shall also have valid statutory approvals as applicable for the specified location and marking as per

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IS/IEC 60079 or IEC 60079 and as required by statutory authorities. All indigenous flameproof equipment shall have valid BIS license.

6.0 TECHNICAL REQUIREMENTS

6.1 Construction

6.1.1 The enclosures of the plugs, sockets, transformers and hand lamps shall be made of cast light metal alloy.

6.1.2 The equipment shall be suitable for use in outdoor open locations and shall have minimum IP-55 degree of protection. The sockets for fixed installation, i.e. 415 V three phase sockets and 240 V single phase sockets, shall preferably be provided with integral canopy. However, where the enclosure has been certified without integral canopy, a separate canopy can be accepted. The separate canopy shall be made of at least 1.6 mm (16 gauge) galvanised sheet steel/ FRP/ stainless steel minimum SS-304 (as specified in purchase specifications). The canopy shall be suitable for providing protection against rain from top, back and two sides.

6.1.3 The enclosures shall be provided with gaskets for IP, if required by equipment certification. Gaskets, wherever provided, shall be made of non-inflammable and self-extinguishing material.

6.1.4 All metal surfaces shall undergo manufacturer's standard cleaning/ painting/ powder coating cycle. After surface preparation, the equipment shall be painted with two coats of epoxy based final paint or epoxy powder coated with minimum coating thickness of 80 microns, with colour shade as below:

- Flame proof (Gas group IIA/ IIB) : Dark admiralty grey shade 632 of IS-5/ RAL 7031
- Flame proof (Gas group IIC) : Light yellow shade 355 of IS-5/ RAL 1012

All unpainted steel parts shall be suitably treated to prevent rust formation/ corrosion. If these parts are moving then these shall be greased. Grease, which does not solidify, shall be applied to flamepath.

6.1.5 Equipment shall be marked as per IS/IEC 60079.

6.1.6 All accessories like nuts, bolts, washers etc. shall be made of stainless steel SS-304.

6.1.7 All the non current carrying metallic parts of the equipment shall be inherently bonded together. The TPN sockets shall be provided with two earthing studs, with lugs on the exterior of the enclosure, suitable for termination of 10 mm dia. GI wire rope. Internal earth terminals shall be provided in each enclosure for all single phase plugs and sockets for connecting the earth core of the cables.

6.1.8 The terminal block enclosures shall be adequately sized to properly terminate the cables by taking into account the required bending radii of cable cores and shall have the following minimum gland to terminal distances:

Conductor Size	Up to 2.5 mm^2	Above 2.5 mm^2 & Up to 10 mm^2	Above 10 mm^2 & Up to 35 mm^2	Above 35 mm^2 & Up to 70 mm^2
Gland to terminal distance	35 mm	60 mm	100 mm	150 mm

6.1.9 The sockets shall be provided with 2 nos. suitably sized cable entries at the bottom for specified cable sizes and complete with 2 nos. flameproof double compression type nickel plated brass flameproof cable glands. The plugs shall be supplied with 1 no. suitably sized cable entry for specified cable size and complete with 1 no. double compression type nickel plated brass flameproof cable gland. Each socket shall be supplied with 1 no. flameproof nickel plated brass sealing plug, for plugging the unused cable entry.

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6.1.10 The sockets shall have external fixing lugs for mounting on wall or column. The holes provided on these lugs shall be of oblong type.

6.1.11 A tag plate indicating Tag Number shall be provided on each socket. A nameplate shall be provided to indicate the Name of Manufacturer, test certificate number, serial number, BIS license number, applicable gas group etc. as per IS/IEC 60079 and any additional marking required by statutory authority like approval no. etc. The nameplates shall be engraved type or laser-marked and permanently fixed on the equipment. In case the standard details given above are embossed on the enclosures, the same need not be repeated on the name plate. All tag plates shall be engraved, 3 ply laminate fixed with screws and name plate shall be Al anodized or SS-304 engraved or laser-marked and fixed with rivets.

6.2 Socket Outlets & Plugs

6.2.1 The sockets shall be provided with a switch and a mechanical interlock so as to break the electrical circuit before the plug is completely withdrawn and make the circuit after the plug is fully inserted.

6.2.2 In order to prevent accidental removal of plug from socket, the engagement and disengagement shall be by two separate and distinct movement and positions.

6.2.3 415V, 63A three phase flameproof plugs and socket meant for welding receptacle/ any other three phase auxiliary load, shall be provided with 4 pins (3P+E).

6.2.4 4 pin socket shall be provided with 63A, three pole heavy duty switch; whereas, 5 pin socket shall be provided with four pole (TPN) heavy duty switch. Heavy duty switch shall be suitable for AC duty rating as applicable.

6.2.5 Both 24V and 240V, 15A single phase flameproof plug and socket shall be provided with 3 pins (2P+E).

6.2.6 Provision shall be made so that it shall not be possible to insert 24V plug on to a 240V socket.

6.2.7 The sockets shall be provided with either a spring loaded hinged cover, or with a cap connected through metallic chain, to close the same when not in service.

6.2.8 Scraping earth connection shall be provided between the plug and socket. Earth pin of plug shall first engage with earth pin of switch socket.

6.2.9 The plug assembly shall be mechanically rugged, light and shall not unduly stress the socket or its own pins when fitted on to the socket. The diameter of the earth pin of the plug and socket shall be at least 1.1 times the diameter of the phase pins.

6.3 240V/ 24V Portable Transformer units

6.3.1 The 240V/ 24V portable transformer unit shall be supplied complete with 240V/ 24V transformer having a 24V socket on the secondary side and 5 meter length of 3x1.5 mm^2 copper conductor, PVC insulated, metal braided flexible cable, duly terminated in the transformer primary at one end and having 240V plug on the other end. The socket outlets and plugs shall meet the requirements of clause 6.2 above.

6.3.2 The 240V/ 24V transformer shall be designed for 30VA rating on continuous basis. Insulation Class shall be "B", as a minimum. Automatic protection employing earth leakage detection scheme with 30mA current sensitivity shall be provided to disconnect supply on occurrence of an earth fault. 30mA RCCB (preferable)/ HRC fuses shall be provided on primary and secondary side of the transformer. The transformer shall have an earthed screen between primary and secondary winding.

6.3.3 Suitable handle for carrying the transformer unit shall be provided.

6.3.4 Alternatively, 24V socket outlet (as per Cl. 2.5 above) shall be provided with a built-in 240V/24V 30VA transformer duly protected by HRC fuse in phase on primary side. In this case, a separate portable 240/24V transformer unit is not required.

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6.4 24V Hand Lamp units

6.4.1 Each hand lamp unit shall be supplied complete with 15 meter length of 3x1.5 mm² copper conductor, PVC insulated, metal braided flexible cable, duly terminated in the hand lamp at one end and having 24V plug on the other end. The plug shall meet the requirements of clause 6.2 above.

6.4.2 The well glass provided shall be clear and toughened type. Hand lamp shall be provided with 10W, 24V AC LED lamp with ES27 cap having minimum output of 900 lumens. Alternatively, if specified in MR, it shall be with lens/ glass and 20W, 24V AC COB/ discrete LED with driver/ LED PCB with DOB having minimum output of 1800 lumens. The minimum output for 10W or 20W shall be guaranteed at 18V to 26V.

6.4.3 Hand lamp shall be provided with either galvanised steel or epoxy powder coated mild steel protective wire cage using minimum 3mm welded steel construction and having mesh dimension not exceeding 50mm x 50mm.

6.4.4 Suitable handle for carrying the hand lamp unit and a stand type guard suspension hook shall be provided.

6.5 Terminals & Wiring

6.5.1 All equipments shall be provided with sufficient number of terminals. More than 2 wires per terminal shall not be permitted. If required, additional terminal with shorting link may be used. The terminals shall be suitable for termination of stranded conductors. Tinned copper lugs shall be provided for cable termination.

6.5.2 All internal wiring shall employ adequately sized, 660V grade, FRLS type, PVC insulated Copper conductor wires, colour coded for phase, neutral and earth, with minimum conductor sizes as below:

TPN Plugs and sockets:	16 mm²
SPN Plugs and sockets:	2.5 mm²

7.0 INSPECTION, TESTING AND ACCEPTANCE

7.1 During fabrication, the equipment shall be subjected to inspection by EIL/ Owner or by an agency authorised by the Owner, as per agreed Inspection Test Plan. Manufacturer shall furnish all necessary information concerning the supply to EIL/ Owner's inspector. All routine/ acceptance tests shall be carried out at manufacturer's works, under his care and expense.

7.2 Type test certificates from NABL-approved/ Central Government Labs in India/ IECEx-certified/ equivalent Labs, Manufacturer's works test reports applicable PESO/ DGMS approval and BIS license shall be shown to the inspection agency on demand during inspection. The certificates, BIS license and PESO approval must be valid at the time of despatch.

7.3 Test certificates of bought out components shall be submitted to the inspection agency, as per Inspection and Test Plan no. 6-81-1021.

7.4 All equipments shall be subjected to various routine/ acceptance tests as per Inspection and Test Plan no. 6-81-1021.

8.0 PACKING AND DESPATCH

All the equipment shall be divided into several sections for protection and ease of handling during transportation. The equipment shall be properly packed for the selected mode of transportation, i.e. by ship/ rail or trailer, and shall be wrapped in polythene sheets before being placed in crates/ cases to prevent damage to finish. The crates/ cases shall have skid bottom for handling. Special notations such as 'Fragile', 'This side up', 'Center of gravity',

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'Weight', 'Owner's particulars','PO no.' etc., shall be clearly marked on the packages together with other details as per purchase order.

The equipment may be stored outdoors for long periods before installation. The packing should be suitable for outdoor storage in areas with heavy rains and high ambient temperature unless otherwise agreed. A set of instruction manuals for installation, testing and commissioning, a set of operation & maintenance manuals and a set of final drawing shall be enclosed in a waterproof cover along with the shipment.

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संकटमय क्षेत्रों में लाइटिंग फिक्सचरों एवं जंक्शन बक्सों के लिए विनिर्देश

SPECIFICATION FOR HAZARDOUS AREA LIGHT FIXTURES AND JUNCTION BOXES

Rev. No	Date	Purpose	Prepared by	Checked by	Standards Committee Convenor	Standards Bureau Chairman
					Approved by	
6	23.12.20	REVISED AND ISSUED AS STANDARD SPECIFICATION	NNB/RKS	ANPS	PG	SM
5	24.02.16	REVISED AND ISSUED AS STANDARD SPECIFICATION	NNB/AK	ANPS	BRB	SC
4	11.04.11	REVISED AND ISSUED AS STANDARD SPECIFICATION	PS	ANPS	UAP	DM
3	27.08.07	REVISED AND ISSUED AS STANDARD SPECIFICATION	ANPS	UAP	JMS	VC
2	30.01.02	REVISED AND ISSUED AS STANDARD SPECIFICATION	UAP	AAN	VPS	GRR

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Abbreviations:

AC	Alternating Current
BIS	Bureau of Indian Standards
CEA	Central Electricity Authority
CRI	Colour Rendering Index
DC	Direct Current
DGCA	Director General Civil Aviation
EIL	Engineers India Limited
FRLS	Flame Retardant Low Smoke
IEC	International Electrotechnical Commission
IES	Illuminating Engineering Society
IP	Ingress Protection
IS	Indian Standard
LED	Light Emitting Diode
MR	Material Requisition
NABL	National Accreditation Board for Testing and Calibration Laboratories
PESO	Petroleum and Explosives Safety Organisation
PO	Purchase Order
PVC	Poly Vinyl Chloride
SPD	Surge Protection Device
SPN	Single Phase Neutral
SS	Stainless Steel
XLPE	Cross Linked Poly Ethylene

Electrical Standards Committee

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1.0 SCOPE

This specification covers the requirements of design, manufacture, testing, packing and supply of LED lighting fixtures, complete with LED lamp and driver, junction boxes and accessories suitable for installation in locations handling flammable liquids and gases/ vapours.

2.0 CODES AND STANDARDS

2.1 The equipment shall comply with the requirements of latest revision of the following standards issued by BIS:

IS-5	:	Colours for ready mixed paints and enamels
IS-10322	:	Luminaires
IS-13383	:	Photometry of luminaires - Method of measurement
IS 15885 (Part 2/ Sec 13)	:	Safety of lamp control gear-Part-2 Particular requirements-Section 13 d.c. or a.c. supplied electronic control gear for LED modules
IS-16101	:	General lighting – LEDs and LED modules – Terms and Definitions
IS-16102	:	Self-ballasted LED lamps for general lighting services
IS-16107	:	Luminaires performance
IS / IEC 60079-0	:	Electrical apparatus for explosive gas atmospheres (General requirements)
IS / IEC 60079-1	:	Electrical apparatus for explosive gas atmospheres (Equipment Protection by Flameproof Enclosures "d")
IS / IEC 60079-7	:	Electrical apparatus for explosive gas atmospheres (Equipment Protection by Increased Safety "e")
IS / IEC 60079-15	:	Electrical apparatus for explosive gas atmospheres Construction, test & marking of type of protection "n"
IS / IEC 60529	:	Degrees of protection provided by enclosures (IP Code).

2.2 In case of imported equipment, only IECEx (or equivalent, if more stringent than the applicable IEC) certified equipment shall be used.

2.3 The equipment shall also confirm to the provisions of CEA Regulations with latest amendments and statutory regulations currently in force in the country.

2.4 In case Indian standards are not available for any equipment, standards issued by IEC or equivalent agency (if more stringent than IEC) shall be applicable.

2.5 In case of any conflict between requirements specified in various applicable documents for the project, the most stringent requirement shall govern. However, Owner's/ EIL's decision in this regard will be final and binding.

3.0 GENERAL REQUIREMENTS

3.1 The offered equipment shall be brand new with state of art technology and having proven field track record. No prototype equipment shall be offered.

3.2 Vendor shall ensure availability of spare parts and maintenance support services for the offered equipment for at least 10 years from the date of supply.

4.0 SITE CONDITIONS

The equipment shall be suitable for installation and satisfactory operation in classified hazardous locations in tropical, humid and corrosive atmosphere as prevalent in refineries,

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petrochemical and fertilizer plants. Unless otherwise specified, a design ambient temperature of 40° C and an altitude not exceeding 1000 m above mean sea level shall be considered.

5.0 POWER SUPPLY

All AC lighting fixtures/ junction boxes shall be suitable for 240V ± 10%, SPN, 50Hz ± 3% power supply and all DC lighting fixtures/ junction boxes shall be suitable for 110/ 220V ± 10% power supply.

6.0 CERTIFICATION

The equipment shall have test certificates issued by NABL-approved/ Central Government labs in India/ IECEx-approved/ equivalent labs. All equipment (indigenous & imported) shall also have valid statutory approvals, as applicable, for the specified location, and marking as per IS/IEC 60079 and as required by statutory authorities. All indigenous flameproof equipment shall have valid BIS license.

7.0 TECHNICAL REQUIREMENTS

7.1 Construction

7.1.1 The enclosures of the lighting fixtures and junction boxes shall be of cast light metal alloy.

7.1.2 All equipment shall be suitable for use in outdoor open locations and shall have minimum IP-55 degree of protection.

7.1.3 The enclosures shall be provided with gaskets made of non-inflammable and self-extinguishing material.

7.1.4 All metal surfaces shall undergo manufacturer's standard cleaning/ painting/ powder coating cycle. After surface preparation, the equipment shall be painted with two coats of epoxy based final paint or epoxy powder coated with minimum coating thickness of 80 microns, with colour shade as below:

- Flameproof Exd (Gas group IIA/IIB) and AC supply: Dark admiralty grey shade 632 of IS-5/ RAL 7031
- Flameproof Exd (Gas group IIC) and AC Supply : Light yellow shade 355 of IS-5/ RAL 1012
- Non-sparking ExnR/ Increased safety Exec and AC Supply : Dark admiralty grey shade 632 of IS-5/ RAL 7031
- DC lighting fixtures : Bright red shade 538 of IS-5/ RAL 3003

All unpainted parts shall be suitably treated to prevent rust formation/ corrosion. If these parts are moving elements then these shall be greased with non-solidifying grease.

7.1.5 A warning inscription "DO NOT OPEN WHEN ENERGIZED" shall be provided on each enclosure. The warning inscription shall be embossed on the enclosure or a separate warning plate with above inscription shall be fixed to the enclosure with screws. The warning plate shall be of nickel plated brass or stainless steel.

7.1.6 All accessories like nuts, bolts, washers etc. shall be made of stainless steel SS-304.

7.1.7 All equipments on single phase supply shall be provided with an independent earth terminal with lug inside the enclosure for terminating the third (earth) core of the cable and shall have facility for looping.

7.1.8 A nameplate shall be provided to indicate the details of testing agency, name of manufacturer, test certificate number, statutory approval agency (PESO), serial number, BIS license number, applicable gas group etc. and any additional marking required by statutory authority like approval no. etc. The nameplates shall be Al anodized or SS-304 engraved type or laser-

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marked and permanently fixed/ fixed with rivets on the equipment. In case the standard details given above are embossed on the enclosures, the same need not be repeated on the name plate.

7.2 Lighting Fixtures

7.2.1 Glass used for all types of lighting fixtures shall be clear and suitable for use under conditions involving exceptional risk of mechanical damage. Glass shall be toughened type.

7.2.2 All well/ bowl glass fixtures shall be provided with Stainless Steel SS-304 protective wire cage using minimum 5mm welded steel construction and having mesh dimension not exceeding 50mm x 50 mm. The mounting bolts of SS-304 required for physically connecting the hazardous area well/ bowl glass lighting fixtures (bracket/ ceiling mounted type) to the respective mounting bracket shall be supplied by Vendor along with the fixtures.

7.2.3 The fixing parts of the enclosure, which are to be opened for replacement of lamp, shall be so fastened that they can be unfastened only with special tools.

7.2.4 The lighting fixtures in Zone-2 area shall be Ex nR type, unless otherwise specified in the MR/ Tender.

7.2.5 For LED fixture, integral junction box shall be provided with 3 nos. cable entries for loop-in, loop-out and associated wiring to fixture. Alternatively, lighting fixtures shall be provided with 2 nos. threaded entries and 2 nos. hazardous area double compression nickel plated brass cable glands, and internal wiring shall be provided for driver and lamp. The glands shall be suitable for the specified cable size. 20% of the fixtures shall be supplied with 1 no. nickel plated brass plug for sealing the unused entry.

7.2.6 The top of all well/ bowl glass lighting fixtures shall be identically drilled/ threaded to facilitate installation on pole/ column or ceiling.

7.2.7 The flood lighting fixtures shall be supplied with adjustable mounting arrangement both in horizontal and vertical plane.

7.2.8 The aviation warning lighting fixtures shall have cluster LED lamps of Type C, medium intensity (as per DGCA civil aviation statutory regulations) and of red colour, fixed (not flashing), 2000cd, unless otherwise specified.

7.2.9 All lighting fixtures shall be provided with suitable mirror-polished aluminum internal reflector of suitable thickness to ensure adequate mechanical strength.

7.2.10 Lighting fixtures shall be tested for resistance to impact in line with IS/ IEC 60079-0. Impact test certificates shall be furnished by vendor.

7.2.11 All LED fixtures shall be supplied complete with lamp and driver. LED driver shall be suitable for surge protection of minimum 4 kV surge. However, for flood lights, aviation warning lights, and lighting fixtures with wattage higher than 90W, LED driver shall be suitable for surge protection of minimum 10 kV surge. An additional fail safe SPD may be provided, as required, to achieve 10 kV surge protection. LED driver shall comply with the requirement of IS 15885-2-13. Fixture lifetime (L70) shall be greater than 50000 hours at ambient temperature of 40°C.

7.2.12 LED type lighting fixtures shall fulfill the following requirements:

a. Minimum power factor shall be 0.95.

b. LED lighting fixture luminous efficacy shall be minimum 100 lumen per watt.

c. LED lighting fixture beam angle shall be 120°/ 90° depending upon fixture location and mounting height.

d. The CRI for LED lighting fixtures shall be greater than 80 for indoor fixture and greater than 70 for outdoor fixture.

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e. The colour temperature of white colour LED shall be from 5700K to 6500K, unless otherwise specified.

f. Polar curves/ photometric drawings shall be submitted by vendor for the offered lighting fixtures.

g. LED lamps and drivers shall be provided with minimum 5 years warranty period, unless specified otherwise in the MR/ Tender. Driver shall have valid BIS certification and the same shall be furnished during drawing review stage.

h. The LED light fixtures, should be tested for luminous lux level as per IES-LM-79. Wherever wire guard is provided, testing shall be done with wire guard. Type test certificates for LM-79 for all fixtures shall be from an NABL-accredited/ IECEx-certified/ equivalent lab.

i. The LEDs used in the lighting fixtures should be tested for the service life as per IES-LM-80. Type test certificates shall be furnished in compliance to same.

7.3 Junction Boxes

The junction boxes shall be of flameproof or non-sparking type construction as mentioned in the MR/ Datasheet. All junction boxes for looping of single phase lighting circuits using cables up to 6mm^2 shall be minimum 125mm diameter in size. Each junction box shall be complete with requisite number of cable entries and double compression flameproof nickel plated brass cable glands to suit the specified cable size.

7.4 Terminals & Wiring

7.4.1 The fixtures and junction boxes shall be provided with sufficient number of terminals. More than 2 wires per terminal shall not be permitted. If required, additional terminal with shorting link may be used. The terminals for external cable termination shall be suitable for 2.5mm^2 solid Copper conductor. Tinned copper lugs shall be provided for cable termination wherever applicable.

7.4.2 All internal wiring shall employ 1.5mm^2, 660/ 1100 V grade, FRLS type, XLPE/ PVC insulated Copper conductor wires, colour coded for phase, neutral and earth. All termination shall be with suitable lugs.

8.0 INSPECTION, TESTING AND ACCEPTANCE

8.1 During fabrication, the equipment shall be subjected to inspection by EIL/ Owner or by an agency authorised by the Owner, as per agreed Inspection Test Plan. Manufacturer shall furnish all necessary information concerning the supply to EIL/ Owner's inspector. All routine/ acceptance tests shall be carried out at manufacturer's works under his care and expense.

8.2 Type test certificates from NABL-approved/ Central Government Labs in India/ IECEx-certified/ equivalent Labs, Manufacturer's works test reports, applicable PESO approval and BIS license shall be shown to the inspection agency on demand during inspection. The certificates, BIS license and PESO approval must be valid at the time of despatch.

8.3 Test certificates of bought out components shall be submitted to the inspection agency, as per Inspection and Test Plan no. 6-81-1061.

8.4 All equipments shall be subjected to various routine/ acceptance tests as per Inspection and Test Plan no. 6-81-1061.

9.0 PACKING AND DESPATCH

All the equipment shall be divided into several sections for protection and ease of handling during transportation. The equipment shall be properly packed for the selected mode of transportation, i.e. by ship/ rail or trailer, and shall be wrapped in polythene sheets before

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being placed in crates/ cases to prevent damage to finish. The crates/ cases shall have skid bottom for handling. Special notations such as 'Fragile', 'This side up', 'Center of gravity', 'Weight',' Owner's particulars', 'PO nos.' etc., shall be clearly marked on the packages together with other details as per purchase order.

The equipment may be stored outdoors for long periods before installation. The packing should be suitable for outdoor storage in areas with heavy rains and high ambient temperature unless otherwise agreed. A set of instruction manuals for installation, testing and commissioning, a set of operation & maintenance manuals and a set of final drawing shall be enclosed in a waterproof cover along with the shipment.

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अग्निरोधक विद्युत वितरण बोर्ड के लिए विनिर्देश

SPECIFICATION FOR FLAMEPROOF POWER DISTRIBUTION BOARDS

Rev. No	Date	Purpose	Prepared by	Checked by	Standards Committee Convenor	Standards Bureau Chairman
					Approved by	
0	31.03.22	ISSUED AS STANDARD SPECIFICATION	SAC/RKS	ANPS	MKS	SM

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Abbreviations:

AC	Alternating Current
BIS	Bureau of Indian Standards
CEA	Central Electricity Authority
CT	Current Transformer
DGMS	Directorate General of Mines Safety
EIL	Engineers India Limited
FRLS	Flame Retardant Low Smoke
GI	Galvanised Iron
IEC	International Electro-technical Commission
IP	Ingress Protection
IS	Indian Standards
kW	Kilo Watt
kWH	Kilo Watt Hour
MR	Material Requisition
MV	Medium Voltage
MCB	Miniature Circuit Breaker
MCCB	Moulded case circuit breaker
NABL	National Accreditation Board for Testing and Calibration Laboratories
PDB	Power Distribution Board
PESO	Petroleum and Explosives Safety Organisation
PO	Purchase Order
PVC	Poly Vinyl Chloride
SPN	Single Phase and Neutral
SWG	Standard Wire Gauge
SS	Stainless Steel
TPN	Three Phases and Neutral
XLPE	Cross Linked Poly Ethylene

Electrical Standards Committee

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1.0 SCOPE

This specification covers the requirements of design, manufacture, testing, packing and supply of free standing flameproof Power Distribution Board (PDB) for field power distribution to MOVs, soot blowers, auxiliary motors, electric heat tracing, high masts etc. suitable for installation in hazardous locations handling flammable liquids and gases/ vapours.

2.0 CODES AND STANDARDS

2.1 The equipment shall comply with the requirements of latest revision of the following standards issued by BIS:

IS : 5	:	Colours for ready mixed paints and enamels.
IS : 1248	:	Direct acting indicating analogue measuring instruments and their accessories
IS : 2824	:	Method for determining the proof and the comparative tracking indices of solid insulating materials
IS : 5082	:	Wrought aluminum and aluminum alloy bars, rods, tubes and sections for electrical purposes
IS : 5578	:	Guide for marking of insulated conductor
IS : 11353	:	Guide for uniform system marking and identification of conductors and apparatus terminals
IS : 12640	:	Residual current operated circuit breakers
IS : 13703	:	Low voltage fuses for voltages not exceeding 1000V AC or 1500V DC
IS : 16227/ IEC 61869	:	Instrument transformers (Current transformers & Voltage transformers)
IS/IEC 60255		Measuring Relays & Protection Equipment
IS/IEC 60269	:	Low voltage fuses
IS/IEC 60079-0	:	Electrical apparatus for explosive gas atmospheres (General requirements).
IS/IEC 60079-1	:	Electrical apparatus for explosive gas atmospheres (Equipment Protection by Flameproof Enclosures "d").
IS/IEC 60529	:	Degree of protection provided by enclosures (IP Code).
IS/IEC 60898	:	Electrical Accessories circuit breakers for over protection for household and similar installations
IS/IEC 60947	:	LV switchgear and control gear.
IS/IEC 61439	:	Low voltage switchgear and control gear assemblies

2.2 In case of imported equipment, only IECEx (or equivalent, if more stringent than the applicable IEC) certified equipment shall be used.

2.3 The Equipment shall also confirm to the provisions of CEA Regulations with latest amendments and other statutory regulations currently in force in the country.

2.4 In case Indian standards are not available for any equipment, standards issued by IEC or equivalent agency (if more stringent than IEC) shall be applicable.

2.5 In case of any conflict between requirements specified in various applicable documents for the project, the most stringent requirement shall govern. However, Owner's/ EIL's decision in this regard will be final and binding.

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3.0 GENERAL REQUIREMENTS

3.1 The offered equipment shall be brand new with state of art technology and having proven field track record. No prototype equipment shall be offered.

3.2 Vendor shall ensure availability of spare parts and maintenance support services for the offered equipment for at least 10 years from the date of supply.

4.0 SITE CONDITIONS

4.1 The equipment shall be suitable for installation and satisfactory operation in tropical, humid and corrosive atmosphere as prevalent in refineries, petrochemical and fertilizer plants, which are classified as hazardous. The power distribution boards shall be designed to operate under site conditions as specified in the data sheet. If not specifically mentioned therein, a design ambient temperature of 40° C and an altitude not exceeding 1000m above mean sea level shall be considered.

4.2 All the equipments described in this specification are intended for continuous duty with the specified rating under the specified ambient conditions unless indicated otherwise.

5.0 POWER SUPPLY

5.1 PDB shall be suitable for 415V, 50Hz, TPN incoming supply.

5.2 The outgoing of PDB shall be 415V TP/TPN power supply circuits and/or 240V SPN circuits as specified in the data sheet/ job specification.

6.0 CERTIFICATION

The equipment shall have test certificates issued by NABL accredited/ Central Government labs in India/ IECEx-approved/ equivalent labs. All equipment (indigenous & imported) shall also have valid statutory approvals, as applicable, for the specified location, and marking as per IS/IEC 60079 and as required by statutory authorities. All indigenous flameproof equipment shall have valid BIS license. All flameproof equipment shall have PESO approval.

7.0 TECHNICAL REQUIREMENTS

7.1 Construction

7.1.1 The Flameproof PDB shall be designed for service at project ambient temperature and shall be suitable for continuous operation without harmful effect with voltage and frequency variations as specified in the data sheets. The flameproof PDB shall have rated current and fault level rating as specified in the datasheet/ job specification.

7.1.2 The Flameproof PDB shall be free standing on a self-supporting pedestal mounting steel framework of angles and channel section, suitable for installation on concrete base with front access for operation and maintenance. The Flameproof PDB shall be fixed type, in single front execution, assembled in single line up with multiple flameproof cubicles housing feeders, cable terminations and bus bar. The arrangement shall provide adequate spacing between enclosures for direct vertical installation of power and control cables, entering enclosures from bottom/ top as specified in data sheet/ job specification. Adequate spacing and clearances shall be provided both on the top and at the bottom for maintenance works.

7.1.3 The devices and components mounted inside the cubicles shall have adequate clearances. The quantity and type/rating of components inside each cubicle shall be in accordance with the statutory test certificate details.

7.1.4 The enclosure of the flameproof PDB shall be made of cast light metal alloy. The enclosure of the flameproof PDB intended for use in units handling sulphuric acid/ other corrosive materials shall be made of stainless steel grade SS-316L, if specified in MR/Tender.

7.1.5 The flameproof PDB shall be suitable for use in outdoor open locations and shall have minimum IP-55 degree of protection. It shall preferably be provided with integral canopy.

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However, where the enclosure has been certified without integral canopy, a separate canopy shall be accepted for installation over the PDB. The separate canopy shall be made of at least 1.6 mm (16 gauge) galvanized sheet steel/stainless steel minimum SS-304. The canopy shall be suitable for providing protection against rain from top two sides and front.

7.1.6 The flameproof PDB shall be provided with gaskets made of non-inflammable and self-extinguishing material.

7.1.7 All metal surfaces shall undergo manufacturer's standard cleaning/ painting / powder coating cycle. After preparation of under surface, the panels shall be painted with two coats of epoxy based final paint or epoxy powder coated with minimum coating thickness of 80 microns, with colour shade as below:

- Flameproof Ex'd' (Gas group IIA/IIB) : Dark admiralty grey shade 632 of IS-5/ RAL 7031
- Flameproof Ex'd' (Gas group IIC) : Light yellow shade 355 of IS-5 / RAL 1012.

All unpainted steel parts shall be suitably treated to prevent rust formation. If these parts are moving elements, then these shall be greased with non-solidifying grease. However, in case of stainless steel flameproof power distribution boards, finish shall be Electropolish/ Buffed/ equivalent finish.

7.1.8 A warning inscription "DO NOT OPEN WHEN ENERGIZED" shall be provided on each enclosure. The warning inscription shall be embossed on the enclosure or a separate warning plate with above inscription shall be fixed to the enclosure with screws. The warning plate shall be of nickel plated brass or stainless steel.

7.1.9 All accessories like nuts, bolts, washers etc. shall be made of stainless steel SS-304, as minimum.

7.1.10 Main bus bars shall be of high conductivity electrolytic aluminium having uniform current rating, for specified fault level throughout their length. The bus bars shall be sized depending upon the maximum expected current and to limit the specified maximum operating temperature at specified design ambient temperature. Bus bars shall be supported by non-hygroscopic insulators. Bus bars shall be colour coded for identification of phases and neutral.

7.1.11 Copper earth bus of suitable size for specified fault level shall be provided throughout the length of the PDB. The earth bus shall be provided with alternate bands of yellow and green. All earth connection wires shall be suitably colour coded. All the non-current carrying metallic parts of the board shall be inherently bonded together. Each flameproof PDB shall be provided with two earthing studs with lugs on the exterior of the board suitable for termination of earth bus bar.

7.1.12 Neutral and earth bars shall be suitable for connecting the neutral and earth conductors of the circuits. The earth bars shall be drilled and tapped unnumbered brass link bars with stud bolts and screws. The neutral and earth terminals shall 10% more than the number of circuit breakers.

7.1.13 Provision shall be made for the bonding of earth conductor, cable glands and cable armouring at cable termination point.

7.1.14 Each cubicle shall be provided with space heater rated for 240V AC supply, provided with a switch, fuse or double pole MCB and thermostat having variable setting range of 30-70 °C, to prevent moisture condensation.

7.1.15 The PDB shall be provided with suitable sized cable entries as mentioned in datasheet/ job specification for incoming and outgoing cables. Unless otherwise specified, the PDB shall be suitable for bottom cable entry. Top cable entry shall be provided if specified in data sheet/ job specification.

All connections to incoming and outgoing cables shall terminate in terminal block, which shall be adequately sized for termination of the cables as specified in MR/ Tender. Sufficient space shall be provided inside the PDB for easy connection of Purchaser's cable. Suitable terminal blocks/ terminal studs, adequately rated, shall be provided for cable termination of each of the

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feeders. Adequate number of terminals shall be provided for terminating incoming and outgoing cable entries. Board shall be supplied complete with double compression type nickel plated brass flameproof cable glands and Tinned copper lugs for incoming and outgoing cables. Flameproof nickel plated brass sealing plugs shall be supplied, for plugging the unused cable entries. The quantity of sealing plugs shall be equal to 20% of the total number of outgoing cable entries.

7.1.16 Inside the PDB, the wiring for power, control, signaling protection and instrument circuits shall be done with FRLS, PVC/ XLPE insulated copper conductor & BIS approved having 660/ 1100 V grade insulation. For modules rated above 100A, preferably copper strip connections shall be used. The control connections shall be done with 660V grade PVC/ XLPE insulated FRLS wires having stranded copper conductors. Minimum size of control wire shall be 1.5 mm^2 copper for circuits having fuse rating 10 A or less. For higher fuse rating control circuits, minimum 2.5 mm^2 copper conductor shall be used. Each wire shall be identified at both ends by self-sticking wire marker tapes or PVC ferrules. Cable sheath colours to be consistent with the phase/ neutral/ earth circuit to which they are connected. Only one conductor shall be connected to each terminal; additional linked terminals shall be provided where more connections are required. All terminals shall be shrouded. All wiring shall be clearly identified at both ends by individual non-ambiguous characters using barrel type ferrules/ marker tapes.

7.1.17 Clamp type terminals shall be acceptable for wires upto 10 mm^2 size. For conductors larger than 10mm^2, bolt type terminals with crimping lugs shall be provided. Each wire shall be terminated at a separate terminal. A minimum of 10% spare terminals shall be provided on each terminal block. Shorting links shall be provided for all CT terminals.

7.1.18 A Tag plate indicating Tag Number, engraved, 3 ply laminate fixed with screws shall be provided on each PDB. Nameplates shall also be provided for each incoming and outgoing feeder. A separate nameplate shall be provided to indicate the name of manufacturer, testing agency, test certificate number, serial number, BIS license number, applicable gas group as per IS/IEC 60079, statutory agency (PESO) approval number and any additional marking required by statutory authority. The nameplates shall be Al anodized or SS-304 engraved type or laser-marked and permanently fixed on the equipment. In case the standard details given above are embossed on the enclosures, the same need not be repeated on the name plate.

7.2 Equipment/ Component Specification

7.2.1 The Flameproof PDB shall be provided with incoming and out-going feeder with MCCBs/switches/ switch fuse unit/ MCBs as per data sheets/ job specification.

Unless otherwise specified, main incomers shall be suitable for 415V incoming TP/TPN power supply and provided with microprocessor based MCCB/ Switch along with CT, Ammeter, Voltmeter with selector switches and R,Y,B indicating lamps on line side.

7.2.2 The TPN outgoing feeders shall be with MCCB or switch fuse as specified in data sheet/ job specification. Further contactor, CT, ammeter, 3 pole ELCB with maximum sensitivity of 30 mA shall be provided for outgoing feeders as specified in MR/ Tender.

7.2.3 The SPN outgoing feeders, shall have 2 pole isolation, i.e. Phase and Neutral. Each outgoing circuit shall comprise of Miniature Circuit Breaker (MCB) with thermal over current and magnetic short circuit releases. 2 pole Earth Leakage Circuit Breaker (ELCB) (M9 Category) with maximum sensitivity of 30 mA & power contactor, CT, ammeter of required rating shall be provided if specified in data sheet/ job specification. MCB shall be double pole for single phase circuits. MCB rating shall be such that it shall not operate on starting current.

7.2.4 MCCBs shall be provided with spring assisted quick make/ break manually operated trip free mechanism with external operating handle mounted on the cubicle. MCCBs shall have provision for padlocking in OFF position. The ON and OFF position shall be clearly indicated.

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7.2.5 Where specified, the MCCBs for feeder circuits such as those for Motor Operated Valve Actuators shall be suitable for motor duty. MCCBs as part of motor starter module shall be current limiting type and type tested for type-2 co-ordination as per IS/ IEC-60947 considering energy efficient motors of IE-3 type unless otherwise specified elsewhere.

7.2.6 MCB shall have minimum breaking capacity of 9kA unless otherwise specified. Positive ON/ OFF indication shall be provided.

7.2.7 All switches shall be load break, heavy duty/ motor duty, air break type with the operating handle. All switches other than rotary switches shall be lockable in OFF position. Rating of switches for starter module shall meet the requirements of AC-23 duty as per IS/ IEC 60947 and minimum rating shall be as specified in job specification/ data sheets.

7.2.8 All contactors shall be air break type, equipped with main contacts and provided with 1NO+1NC potential free spare auxiliary contacts wired to the terminal block for owner's use. The main contacts of contactor for motor starter module shall have AC-3 or AC-4 rating as per package requirements. Unless specified otherwise, the coil of the contactor shall be suitable for operation on 240 V, 1 Phase, AC supply.

7.2.9 All fuses shall be non-deteriorating HRC cartridge link type, BIS approved. Power fuses shall be pressure fitted type and shall preferably have ribs on the contact blades to ensure good line contact. It shall be possible to handle fuses during off load conditions with full voltage available on the terminals. Two nos. fuse pullers shall be provided. The fuse base shall be so located in the modules to permit insertion of fuse pullers and easy removal of fuse links without any problem.

7.2.10 Bimetal relays shall be provided for protecting the motor from thermal overload. Bimetal thermal overload relays shall be manually reset type with the reset push button provided on the cubical door. Bimetal relays shall be three elements, positive acting ambient temperature compensated type with adjustable setting range and built-in single phasing prevention feature, which operates even with 50% rated current at the time of single phasing.

7.2.11 All contactor controlled motor feeders for auxiliary motors etc. shall meet the requirements of type-2 co-ordination as per IS/IEC: 60947 considering energy efficient motors of IE-3 type, unless otherwise specified elsewhere.

7.2.12 Current transformers for metering shall have an accuracy class 1.0 and instrument security factor not greater than 5. Protective current transformers shall have an accuracy class 5P and an accuracy limit factor greater than 10.

7.2.13 All measuring AC instruments shall be moving iron, flush mounting type for incomer and outgoing feeders. The accuracy class for all instruments shall be 1.0 as per IS-1248. Ammeters shall suitable for 1 Ampere CT secondary. Minimum size of ammeter shall be either 72mm x 72 mm or 65 mm diameter. For Ammeters of motor feeders 80% of the scale length shall cover 100% of the CT primary current uniformly and the balance 20% of the scale shall cover 100-800% of the CT primary. A red mark corresponding to the full load current of the motor shall be provided on the ammeter dial. The ammeter front glass shall be toughened. The kW/ kWH meters shall be suitable to measure unbalanced loads on 3 phases 4- wire system. Test terminal block shall be provided for kWH meters.

7.2.14 All control/ selector switches shall be rotary back-connected types having a cam operated contact mechanism with knob type handle. Ammeter selector switch shall have make before break feature on its contacts. The selector switch shall generally have 4 positions, three for reading 3 phase currents and the fourth position for OFF. The voltmeter selector switch shall also have 4 positions. Three positions shall be used to measure phase-to-phase voltage and fourth shall be OFF position.

7.2.15 Auxiliary relays/ contactors shall generally be used for interlocking and multiplying contacts.

7.2.16 All selector switches shall have minimum two poles for each position. Each position of switch shall be indelibly marked on the PDB. Exact configuration of selector switch (e.g. LOCAL-OFF-REMOTE etc.) shall be as per datasheet/ job specification.

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7.2.17 Indicating lamps shall be cluster LED type or SMD chip type LED with colour lens of minimum 25mm diameter. The following indicating colours shall be used.

Closed/ ON	:	Red
Open/ OFF	:	Green
Fault trip	:	Amber

7.2.18 Push button colours shall be as follows:

Stop/open/emergency stop	:	Red
Start/close	:	Green
Reset	:	Black
Test	:	White

The 'Stop' push button shall be stayput type.

All motor starter feeders shall have Stop and Reset push buttons and ON and Trip indication lamps.

8.0 INSPECTION, TESTING AND ACCEPTANCE

8.1 During fabrication, the equipment shall be subjected to inspection by Owner/ EIL or by an agency authorized by the Owner/ EIL, if specified/ agreed in Approved Inspection Test Plan. Manufacturer shall furnish all necessary information concerning the supply to Owner's/ EIL's inspector. All routine/ acceptance tests shall be carried out at manufacturer's works under his care and expense.

8.2 Type test certificates from NABL accredited/ Central Government Labs in India/ IECEx-certified/ equivalent Labs, Manufacturer's works test reports, applicable PESO approval and BIS license and original drawings referred in type test certificates shall be shown to the inspection agency on demand during inspection. The test certificates, BIS license and PESO approval must be valid at the time of despatch.

8.3 Test certificates of bought out components shall be shown to the inspection agency on demand during inspection.

8.4 All equipments shall be subjected to various routine / acceptance tests as per Approved Inspection & Test plan.

9.0 PACKING AND DESPATCH

All the equipment shall be divided into several sections for protection and ease of handling during transportation. The equipment shall be properly packed for the selected mode of transportation, i.e. by ship/ rail or trailer and shall be wrapped in polythene sheets before being placed in crates/ cases to prevent damage to finish. The crates/ cases shall have skid bottom for handling. Special notations such as 'Fragile', 'This side up', 'Center of gravity', 'Weight', 'Owner's particulars', 'PO no.' etc., shall be clearly marked on the packages together with other details as per purchase order.

The equipment may be stored outdoors for long periods before installation. The packing should be suitable for outdoor storage in areas with heavy rains and high ambient temperature unless otherwise agreed. A set of instruction manuals for installation, testing and commissioning, a set of operation & maintenance manuals and a set of final drawing shall be enclosed in a waterproof cover along with the shipment.

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SPECIFICATION FOR QUALITY MANAGEMENT SYSTEM REQUIREMENTS FROM BIDDERS / SUPPLIERS / CONTRACTORS

Rev. No.	Date	Purpose	Prepared by	Checked by	Approved by: Standards Committee Convener	Approved by: Standards Bureau Chairman
3	29-09-2025	General Revision	QMS Standards Committee	QMS Standards Committee	AK	MN
2	12-06-2020	General Revision	QMS Standards Committee	QMS Standards Committee	SKB	SKS
1	12-03-2015	General Revision	QMS Standards Committee	QMS Standards Committee	MPJ	SC
0	04-06-2009	Issued as Standard Specification	QMS Standards Committee	QMS Standards Committee	SCT	ND

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Abbreviations:

EIL	Engineers India Limited
ISO	International Organization for Standardization
MR	Material Requisition
PO	Purchase Order
PR	Purchase Requisition
QMS	Quality Management System

QMS Standards Committee

Convener: Mr. Anil Kumar

Members: Mr. Himangshu Pal (SCM-Inspection)
Mr. Ravindra Kumar (Const.)
Mr. Vinod Kumar (CQA)
Mr. Swapnil Vaishnav (Projects)
Mr.Vijay Kumar Garg (SCM)
Mr.Raju Kumar Pandey (Equipment Division)

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1.0 SCOPE

This specification establishes the Quality Management System requirements to be met by BIDDER for following purpose:

- QMS requirements to be met by suppliers/contractors after award of work/duringcontract execution.

2.0 DEFINITIONS

2.1 Bidder

For the purpose of this specification, the word "BIDDER" means the person(s), firm, company or organization who is under the process of being contracted by EIL / Owner for delivery of some products (including service).The word "Bidder" is considered synonymous to supplier, contractor or vendor.

2.2 Project Quality Plan (PQP)

Document tailored from Standard Quality Management System Manual of BIDDER, specifying how the quality requirements of the project will be met.

2.3 Owner

Owner means the owner of the project for which services / products are being purchased and includes their representatives, successors and assignees.

3.0 REFERENCE DOCUMENTS

- Specification for Documentation Requirements from Contractors (Doc. No. 6-78-0002)
- Specification for Documentation Requirements from Suppliers (Doc. No. 6-78-0003)

4.0 QUALITY MANAGEMENT SYSTEM – GENERAL

Unless otherwise agreed with EIL / Owner, the BIDDER proposed quality system shall fully satisfy all relevant requirements of ISO 9001 "Quality Management Systems – Requirements."Evidence of compliance shall be current certificate of quality system registration to ISO 9001 or a recent compliance audit recommending registration from a certification agency.The quality system shall provide the planned and systematic control of all quality related activities for execution of contract.Implementation of the system shall be in accordance with BIDDER'S Quality Manual and PROJECT specific Quality Plan.

5.0 QUALITY SYSTEM REQUIREMENTS

5.1 BIDDER shall prepare and submit for review / record, Project Quality Plan / Quality Assurance Plan for contracted scope / job.The BIDDER'S Quality Plan shall address all of the applicable elements of ISO 9001, identify responsible parties within BIDDER'S organization, for the implementation / control of each area, reference the applicable procedures used to control / assure each area, and verify the documents produced for each area.The Project Quality Plan shall necessarily define control or make reference to the relevant procedures, for design and engineering, purchase, documentation, record control, bid evaluation, inspection, production/manufacturing, preservation, packaging and storage, quality control at construction site, pre-commissioning, commissioning and handing over (as applicable) in line with contract requirement and scope of work.

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5.2 BIDDER shall identify all specified or implied statutory and regulatory requirements and communicate the same to all concerned in his organization and his sub contractor's organization for compliance.

5.3 BIDDER shall deploy competent and trained personnel for various activities for fulfilment of PO / contract.BIDDER shall arrange adequate infrastructure and work environment to ensure that the specification and quality of the deliverable are maintained.

5.4 BIDDER shall do the quality planning for all activities involved in delivery of order.The quality planning shall cover as minimum the following:

- Resources
- Product / deliverable characteristics to be controlled.
- Process characteristics to ensure the identified product characteristics are realized
- Identification of any measurement requirements, acceptance criteria
- Records to be generated
- Need for any documented procedure

The quality planning shall result into the quality assurance plan, inspection and test plans (ITPs) and job procedures for the project activities in the scope of bidder. These documents shall be submitted to EIL/Owner for review/approval, before commencement of work.

5.5 Requirements for sub-ordering of outsourced items /sub-contracting / purchasing of services specified in MR/ contract / tender shall be adhered to. In general all outsourced items will be from approved vendors of EIL. Wherever requirements are not specified, or approved sub vendors do not exist, the sub-contractor shall establish and maintain a system for purchasing / sub-contracting to ensure that purchased product / service conforms to specified requirements in concurrence with EIL / Owner.Criteria for selection of sub-contractor, evaluation, re-evaluation, maintenance of purchasing data and verification of purchased product (sub-contractor services), constitute important components of this requirement.

5.6 BIDDER shall plan and carry production and service provision under controlled conditions.Controlled conditions shall include, as applicable

a) the availability of information that describes the characteristics of the product
b) the availability of work instructions
c) the use of suitable equipment
d) the availability and use of monitoring and measuring devices
e) the implementation of monitoring and measurement
f) the implementation of release, delivery and post-delivery activities

5.7 BIDDER shall validate any processes for production and service provision where resulting output cannot be verified by subsequent monitoring and measurement. This includes any process where deficiencies become apparent only after the product is in use or service has been delivered.

5.8 BIDDER shall establish a system for identification and traceability of product / deliverable throughout product realization.Product status with respect to inspection and testing requirements shall be identified.

5.9 BIDDER shall identify, verify, protect and safeguard EIL / Owner property (material / document) provided for use or incorporation into the product.If any Owner / EIL property is lost, damaged or otherwise found to be unsuitable for use, this shall be reported to the EIL / Owner.

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BIDDER shall ensure the conformity of product / deliverable during internal processing and delivery to the intended destination.Requirements mentioned in the MR/ tender shall be adhered to.

5.10 BIDDER shall establish system to ensure that inspection and testing activities are carried out in line with requirements.Where necessary, measuring equipment shall be calibrated at specified frequency, against national or international measurement standards; where no such standard exists, the basis used for calibration shall be recorded.The measuring equipment shall be protected from damage during handling, maintenance and storage.

5.11 BIDDER shall ensure effective monitoring, using suitable methods, of the processes involved in production and other related processes for delivery of the scope of contract.

5.12 BIDDER shall monitor and measure the characteristics of the product/deliverable to verify that product requirement has been met.The inspection (stage as well as final) by BIDDER and EIL / Owner personnel shall be carried out strictly as per the approved ITPs or ITPs forming part of the contract.Product release or service delivery shall not proceed until the planned arrangements have been satisfactorily completed, unless otherwise approved by relevant authority and where applicable by Owner / EIL.

5.13 BIDDER shall establish and maintain a documented procedure to ensure that the product which does not conform to requirements is identified and controlled to prevent its unintended use or delivery

5.14 All non-conformities (NCs) / deficiencies found by the BIDDER'S inspection / surveillance staff shall be duly recorded, including their disposal action shall be recorded and resolved suitably.Effective corrective actions shall be implemented by the BIDDER so that similar NCs including deficiencies do not recur.The BIDDER shall take appropriate actions to address the Risks and Opportunities in the project.

5.15 All deficiencies noticed and reported by EIL / Owner shall be analysed by the BIDDER and appropriate corrective actions shall be implemented.BIDDER shall intimate EIL / Owner of all such corrective action implemented by him.

5.16 BIDDER should follow the standards, specifications and approved drawings. Concessions/Deviations shall be allowed only in case of unavoidable circumstances. In such situations Concession/deviation request must be made by the BIDDER through online system of EIL vendor portal for document exchange. URL of EIL vendor portal for document exchange is http://edocx.eil.co.in/vportal. BIDDER shall have documented procedure for control of documents.

5.17 All project records shall be carefully kept, maintained and protected for any damage or loss until the project completion, then handed over to EIL / Owner as per contract requirement (Refer Specification Nos. 6-78-0002 - Specification for Documentation Requirements from Contractors and 6-78-0003 - Specification for Documentation Requirements from Suppliers), or disposed as per relevant project procedure.

6.0 AUDITS

BIDDER shall plan and carry out the QMS audit for the job. Quality audit program shall cover design, procurement, construction management and commissioning as applicable including activities carried out by sub-vendors and sub-contractors. This shall be additional to the certification body surveillance audits carried out under BIDDER'S own ISO 9001 certification scheme.

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The audit programs and audit reports shall be available with bidder for scrutiny by EIL / Owner.EIL or Owner's representative reserves the right to attend, as a witness, any audit conducted during the execution of the WORKS.

In addition to above, EIL, Owner and third party appointed by EIL/Owner may also perform Quality and Technical compliance audits.BIDDER shall provide assistance and access to their systems and sub-contractor / vendor systems as required for this purpose.Any deficiencies noted shall be immediately rectified by BIDDER.

7.0 DOCUMENTATION REQUIREMENTS

BIDDER shall submit following QMS documents immediately after award of work (Within one week) for record / review by EIL / Owner/ TPIA(Third Party Inspection Agency), as applicable:

- Organization chart (for complete organization structure and for the project)
- Project Quality Plan/Quality Assurance Plan
- Job specific Inspection Test Plans, if not attached with PR
- Job Procedures
- Inspection/Test Formats

In addition to above QMS documents, following documentation shall be maintained by the BIDDER for submission to EIL / Owner on demand at any point of time during execution of the project:

- Quality Manual
- Certificate of approval for compliance to ISO9001 standard
- Procedure for Control of Non-conforming Product
- Procedure for Control of Documents
- Sample audit report of the QMS internal and external audits conducted during last one year
- Customer satisfaction reports from at least 2 customers
- Project QMS audit report
- Technical audit reports for the project
- Corrective action report on the audits

Documents as specified above are minimum requirements. BIDDER shall submit any other document/data required for completion of the job as per EIL/Owner instructions.

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SPECIFICATION FOR DOCUMENTATION REQUIREMENTS FROM SUPPLIERS

Rev. No.	Date	Purpose	Prepared by	Checked by	Standards Committee Convener	Standards Bureau Chairman
					Approved by	
3	29-09-2025	General Revision	QMS Standards Committee	QMS Standards Committee	AK	MN
2	01-06-2020	General Revision	QMS Standards Committee	QMS Standards Committee	SKB	SKS
1	12-03-2015	General Revision	QMS Standards Committee	QMS Standards Committee	MPJ	SC
0	04-06-2009	Issued as Standard Specification	QMS Standards Committee	QMS Standards Committee	SCT	ND

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Abbreviations:

DCI	Document Control Index
EIL	Engineers India Limited
EPS	Electronic Procurement System
FOA	Fax of Acceptance
IC	Inspection Certificate
IRN	Inspection Release Note
ITP	Inspection and Test Plan
LOA	Letter of Acceptance
LR	Lorry Receipt
MR	Material Requisition
ODC	Over Dimension Consignment
PO	Purchase Order
PR	Purchase Requisition
PVC	Polyvinyl Chloride
QAP	Quality Assurance Plan
QMS	Quality Management System
RPO	Regional Procurement Office
TPIA	Third Party Inspection Agency
URL	Universal Resource Locator
V-Portal	Vendor Portal

QMS Standards Committee

Convener: Mr. Anil Kumar

Members:
Mr. Himangshu Pal (SCM-Inspection)
Mr. Ravindra Kumar (Const.)
Mr. Vinod Kumar (CQA)
Mr. Swapnil Vaishnav (Projects)
Mr.Vijay Kumar Garg (SCM)
Mr.Raju Kumar Pandey (Equipment Division)

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S. No.	Title	Doc. No.
1.	Format for completeness of Final Documentation	Format No. 3-78-0004

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1.0 SCOPE

This specification establishes the Documentation Requirements from Suppliers.

All documents/data against the PO / PR / MR shall be developed and submitted to EIL/Owner by the suppliers for review / records, in line with this specification.

2.0 DEFINITIONS

2.1 Supplier

For the purpose of this specification, the word "SUPPLIER" means the person(s), firm, company or organization who has entered into a contract with EIL / Owner for delivery of some products and/orservices.The word is considered synonymous to bidder, contractor or vendor.

2.2 Owner

Owner means the owner of the project for which services / products are being purchased and includes their representatives, successors and assignees.

3.0 REFERENCE DOCUMENTS

- Specification for Quality Management System Requirements from Bidders (Doc. No. 6-78-0001)

4.0 DOCUMENTATION REQUIREMENTS

4.1 Order Acknowledgement and Assigning Project Manager

After placement of order, Supplier shall acknowledge order through V-Portal within 7 days of receipt of FOA/PO. Supplier shall assign a Project Manager for that order though online portal and provide requisite details. Project Manager details shall include e-mail address, mailing address, mobile/telephone nos., fax nos. and name of Project Manager. All the system generated emails pertaining to that order shall be sent to the assigned Project Manager.

4.2 Documents/Data to be submitted by the Supplier

4.2.1 The Supplier shall submit the documents and data against the PO/PR/MR as per the list given in respectivePO/PR/MR.

4.2.2 Review of the supplier drawings/ documents by EIL would be only to review the compatibility with basic designs and concepts and in no way absolve the supplier of his responsibility/contractual obligation to comply with PR requirements, applicable codes, specifications and statutory rules/regulations.Any error/deficiency noticed during any stage of manufacturing/execution/inspection/ installation shall be promptly corrected by the supplier without any time and cost implications, irrespective ofcomments on the same were received from EIL during the drawing review stage or not.

4.2.3 Unless otherwise specified, submission of documents for Review/Records shall commence as follows from the date of Fax of Intent /Letter of Intent/ Fax of Acceptance (FOA)/ Letter of Acceptance (LOA):

QMS	-	1week
Document Control Index	-	2weeks
Other Documents/Drawings	-	As per approved Document Control Index

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4.2.4 Documents as specified in PO/PR/MR are minimum requirements.Supplier shall submit any other document/data required for completion of the job as per EIL/Owner instructions.

4.3 Style and Formatting

4.3.1 All Documents shall be in ENGLISH language and in M.K.S(Meter-Kilogram-Second) System of units.

4.3.2 Before forwarding the drawings and documents, contractor shallobtain the title block from EIL and ensure that the following information are properly mentioned in each drawing:

- Purchase Requisition Number
- Name of Equipment / Package
- Equipment / Package Tag No.
- Name of Project
- Client
- Drawing / Document Title
- Drawing / Document No.
- Drawing / Document Revision No. and Date

4.4 Review and Approval of Documents by Supplier

4.4.1 All, the Drawing/Documents shall be reviewed, checked, approved and duly signed/stamped by supplier before submission.Revision number shall be changed during submission of the revised supplier documents and all revisions shall be highlighted by clouds. Whenever the supplierrequires any sub-supplier drawings to be reviewed by EIL, the same shall be submitted by the supplier duly reviewed, approved and stamped by the supplier.Direct submission of sub-supplier's drawings without contractor's / suppliers' approval shall not be entertained.

4.5 Document Category

Following review codes shall be used for review of supplier Drawings/Documents:

Code 1 - No comments. Proceed with Manufacture / Fabrication / Construction as per the document.

Code 2 - Proceed with Manufacture / Fabrication / Construction as per commented document. Revised document required.

Code 3 - Document does not conform to basic requirements as marked.Resubmitfor review.

Code R - Document is retained for Records. Proceed with Manufacturing / fabrication as per Tender/ ContractRequirement.

Code V - Void, Document is returned as invalid.

Document is marked as Void under following conditions:

a) Wrong item drawing uploaded.
b) Superseded or obsolete submission.
c) Duplicate submission.
d) Out of sequence submission.
e) Mismatch in document name and title under which document uploaded.
f) Document not legible.
g) For PMC projects, document not signed and stamped by contractor and DEC

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4.6 Methodology for Submission of Documents to EIL/Owner

4.6.1 Document Control Index (DCI)

Supplier shall create and submit Document Control Index (DCI) forreview based on PO/PR/MR along with schedule date of submission of each drawing/document on EIL Vendor Portal.The DCI shall be specific with regard to drawing/document no. and the exact title. Proper sequencing of the drawings/documents should be ensured in schedule date of submission.

4.6.2 Submission of Drawings/Documents / Data

Drawings/documents, data and DCI shall be uploaded on the EIL Vendor Portal as per approved DCI. The detailed guidelines for uploading documents on EIL VendorPortal are available on URL:**http://edocx.eil.co.in/vportal**

4.6.3 Statutory Approvals

Wherever approval by any statutory body is required to be taken by Supplier, the Supplier shall submit copy of approval by the authority to EIL.

4.6.4 Manufacturing Schedule

Supplier shall prepare milestone based(milestones such as document submission, sub ordering, manufacturing, Inspection, dispatches, etc.) manufacturing schedule for the order, to meet delivery as per FOA/PO terms. Supplier shall submit manufacturing schedule to concerned Regional Procurement Office (RPO) of EIL, with a copy to Head office monitoring team/Owner for review within 7 days from date of FOA/PO.Same shall be uploaded in the EPS portal of EILi.e.,https://www6.eil.co.in/epsinspection/supp

4.6.5 Schedule and Progress Reporting

Supplier shall submit Monthly Progress Report(MPR) on or before the 9th of every monthindicating following milestone-based progress details as minimum:

- Drawing submission and approval status and schedule for submission of revised drawing / fresh Drawing requiring approval as per approved DCI
- Sub-ordering plan/details for all major items indicating item description, sub-order number, Date of sub-ordering, sub-vendor name, Location, contractual delivery data and expected delivery dates at main vendor's shop and other critical details requiring timely receipt of sub-ordered items at shop.
- Shop manufacturing progress indicating major milestone progress, in case of missing any milestone date, catch up plan for the same and expected dispatch date from shop and expected delivery date at site.
- Area requiring special attention/concern and proposed action plan to resolve the same.

First Monthly Progress Report (MPR) shall be submitted within2 weeks from FOA/LOA.In case of exigencies, EIL/Owner can ask for report submission as required on weekly/fortnightly/ad-hoc basis depending upon supply status and supplier shall furnish such reports promptly without any price implication.Format for progress report shall be submitted by the Supplier during kick off meeting or within 2 weeks of receiving FOA/LOA, whichever is earlier.

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4.7 Inspection and Testing

4.7.1 Quality Assurance Plan/Inspection and Test Plan

If Inspection and test plans (ITP)are attached with MR/PR same shall be followed along with additional tests requirement (if any) mentioned in MR/ PR. However for cases wherein EIL Standard ITPs not available/ have not been attached with MR/PR, Supplier shall submit within one week of receiving FOA/LOA, the Quality Assurance Plan for inspection & testing at various stages of production, quality control records for critical bought out items/ materials and site assembly & testing as may be applicable to the specific order and obtain approval from concerned Regional procurement Office of EIL/third party inspection agency, as applicable.

For Package equipment contracts, the supplier shall prepare a list of items/ equipment and their inspection categorization plan for all items included in the scope of supply immediately after receipt of order and obtains approval for the same from EIL. The items shall be categorized into different categories depending upon their criticality for the scope of inspection of TPIA and/or EIL.

4.7.2 Inspection Requirements:

Supplier shall perform internal inspection as per ITP/ approved QAP at their works based on approved documents/drawings. Upon satisfactory internal inspection, supplier shall raise inspection call through Inspection call Module of EPS (https://www6.eil.co.in/epsinspection) to concerned Regional Procurement Office (RPO) of EIL/ TPIA/ Owner with advance notice as per contractalong with Internal test reports. Where inspection is not in the scope of EIL and is carried out by nominated Third Party Inspection agency (TPIA), Inspection Release Note (IRN) issued by the nominated TPIA along with Manufacturer's Test Certificate (MTC) shall be uploaded in EIL EPS Portal (https://www6.eil.co.in/epsinspection).

All changes w.r.t. PR shall be recorded through agreed variations or Concessions & Deviations. Conflict, if any, between PR / Job specifications and approved drawings, shall be brought to the notice of EIL / owner bythe supplier/ contractor. Decision of EIL / owner will be binding on the supplier and to be complied without time and cost implications.

Identified bought out items/ raw material shall be procured under TPIA as per ITP.

4.7.3 Inspection Release Note (IRN)/ Inspection Certificate (IC)

IRN/ IC shall be issued by EIL Inspector/ third party inspection agency on successful inspection, review of test reports/ certificates as per specifications &ITP/ agreed quality plan (as applicable) and only after all the drawings/documents as per DCI are submitted and are accepted under review code-1or code R. Supplier shall ensure that necessary documents/manufacturing and test certificates are made available to EIL/TPIA as and when desired.

Note 1: Non fulfilling above requirement shall result into appropriate penalty or with- holding of payment as per conditions of PO/PR/MR.

Note 2: For items where IRN/IC is issued by TPIA, supplier to ensure that following as a minimum must be mentioned by TPIA in IRN/IC:

a) PR document number
b) List of drawings/documents with EIL approval code
c) Tests witnessed, documents reviewed

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d) Compliance statement by TPIA that product meets the requirement as specified in EIL PR, standard specifications, Inspection Test Plan/QAP and approved documents.

4.8 Transportation Plan

Transportation Plan for Over Dimensional Consignments (ODC), if any, shall be submitted within 2 weeks of receiving FOA/LOA, for approval. Unless otherwise specified, consignments with parameters greater than following shall be considered as over dimensional.

Dimensions : 4 meters width x 4 meters height x 20 meters length

Weight : 32 MT (Metric Ton)

Dimensions and weight provided above are inclusive of all nozzles, attachments, transportation saddles etc.

Physical Rout survey for ODC movement shall be submitted to EIL within 8 weeks of receiving FOA / LOA.

4.9 Dispatch Details

Upon receipt of IRN/IC from EIL inspector/TPIA, supplier shall dispatch items within 2 days. Item wise dispatch details shall be uploaded in EIL's EPS module within 24 hours of any item dispatched from shop, indicating PR item no, Quantity dispatched, Transporter's name, LR Number/ LR date.

4.10 Vendorshall ensure timely uploading of Manufacturing Schedule, Monthly Progress Report,Inspection Certificate (IRN)issued by the TPIA (as applicable for PO where Inspection is under nominated Third Party Inspection Agency)and updation ofitem wise dispatch details in EPS portal of EIL (https://www6.eil.co.in/epsinspection).

4.11 Final Documentation

4.11.1 Supplier shall prepare final documents in line with VDR(Vendor Document Requirements) attached with PR/Tender. A copy of final document along with filled in Format for Completeness of Final Documentation (Format No. 3-78-0004) to be submitted to EIL Inspector/TPIA for review & approval within 2 weeks from dispatch. Upon receipt of EIL/TPIA endorsement on Completeness of Final Documents, supplier shall submit soft/hard copies of Final documents to EIL/Owner in requisite quantity as per PO/PR details, along with covering letter. A copy of covering letter to be submitted to the concerned Regional Procurement Office (RPO) of EIL/Owner.

4.11.2 As Built Drawings

Minor Shop changes made by Supplier after approval of drawings under 'Code 1' by EIL and deviations granted through online system, if any, shall be marked in hard copies of drawings which shall then be stamped 'As-built' by the supplier.These 'As-built' drawings shall be reviewed and stamped by EIL Inspector/TPIA.Supplier shall prepare scanned images files of all marked – up 'As – built' drawings. Simultaneously Supplier shall incorporate the shop changes in the native soft files of the drawings also.

4.11.3 Packing/Presentation of Final Documents

Final Documents shall be legible photocopies in A4, A3 size only.Drawings will be inserted in plastic pockets (both sides transparent, sheet thickness minimum 0.1 mm) with an extra strip of 12 mm wide for punching so that drawings are well placed.

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Final Documentation shall be bound in Hard board Plastic folder(s) of size 265 mm x 315 mm (10½-inch x 12½-inch) and shall not be more that 75 mm thick. It may be of several volumes and each volume shall have a volume number, index of volumes and index of contents of that particular volume.Where number of volumes are more, 90mm thickness can be used.Each volume shall have top PVC sheet of minimum 0.15 mm thick duly fixed and pressed on folder cover and will have 2 lever clips.In case of imported items documents, 4 lever clip shall also be accepted.All four corners of folders shall be properly metal clamped.Indexing of contents with page numbering must be incorporated by supplier.Spiral/Spico bound documents shall not be acceptable.As mentioned above, books should be in hard board plastic folders with sheets punched and having 2/4 lever clips arrangement.

Each volume shall contain on cover a Title Block indicating package Equipment Tag No. & Name, PO/Purchase Requisition No., Name of Project and Name of Customer.Each volume will have hard front cover and a reinforced spine to fit thickness of book.These spines will also have the title printed on them.Title shall include also volume number (say 11 of 15) etc.

4.11.4 Submission of Soft Copies

Supplier shall submit to EIL, the scanned images files as well as the native files of drawings/documents, along with proper index.

In addition to hard copies, Supplier shall submit soft copies of all the final drawings and documents in pen drive or any other specified medium with proper identification tag, all text documents prepared on computer, scanned images of all important documents (not available as soft files), all relevant catalogues, manuals available as soft files (editable copies of drawings/text documents, while for catalogues/manuals/proprietary information and data, PDF files can be furnished). All soft files shall be appropriately named, systematically indexed, and duly bookmarked in PDF format to facilitate ease of reference and access.

All the above documents shall also be uploaded on the EILVendor Portal and if applicable on Client Server also.

4.11.5 Completeness of Final Documentation

Supplier shall get the completeness of final documentation verified by EIL/TPIA,as applicable, and attach the Format for Completeness of Final Documentation (Format No. 3-78-0004) duly signed by EIL Inspector or TPIA as applicable to the final document folder.

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COMPLETENESS OF FINAL DOCUMENTATION

Name of Supplier/Contractor	:	
Customer	:	
Project	:	
EIL's Job No.	:	
Purchase Order No./ Contract No.	:	
Purchase Requisition No./ Tender No.	:	Rev. No.:
Name of the Work/ Equipment	:	
Tag. No.	:	
Supplier's/ Contractor's Works Order No.	:	

Certified that the Engineering Documents/ Manufacturing & Test Certificates submitted by the supplier (as per Index sheet mentioned in Annexure-1) are complete in accordance with the Vendor Data Requirements of Purchase Requisition / Tender.

Signature	: ……	Signature	: ……
Date	: ……	Date	: ……
Name	: ……..	Name	: ……..
Designation	: ……	Designation	: ……
Department	: ……	Department	: ……
	Supplier/Contractor		EIL/TPIA

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Annexure-1

Final Documentation Index Sheet			
PR/PO/Tender No.		Revision No.	
Serial No.	Document Title	Page/ Folder No.	No. of Pages

Signature	: ……	Signature	: ……
Date	: ……	Date	: ……
Name	: ……..	Name	: ……..
Designation	: ……	Designation	: ……
Department	: ……	Department	: ……

Supplier / Contractor

EIL / TPIA

Signature Not Verified
Digitally signed by NAVEEN RATHI
Date: 2026.04.25 16:15:17 IST
Location: eProcure-EPROC

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