



REF NO.: CCE(EN)/TEZ/SECURITY-DRL/26-27/11379A

Dated : 08 May 2026

NOTICE INVITING e-TENDER/ TENDER ENQUIRY**“UPGRADATION OF SECURITY AND FIRE SAFETY INFRASTRUCTURE AT DRL TEZPUR, ASSAM”**

Dear Sir(s),

1. On behalf of President of India, e-Tenders are invited for the subject work as per the scope of works and terms & conditions given in the tender enquiry. e-tenders are to be submitted online on the Central Public Procurement Portal web site <https://eprocure.gov.in> as per the dates mentioned in the tender inquiry. The Scope of Work is attached at **Appendix 'B'**

a)	Name of Work	Upgradation of Security and Fire Safety Infrastructure at DRL Tezpur, Assam
b)	Tender Enquiry No.	CCE(EN)/TEZ/SECURITY-DRL/26-27/11379A
c)	NIT Value / Estimated cost put to Tender	₹ 5,01,27,000.00 (Rs. Five Crores One Lakhs and Twenty Seven Thousand Only)
d)	Type of Tender / work order:	Open Tender Enquiry (OTE) amongst the enlisted agencies.
e)	Type of Contract:	Percentage Rate Contract
f)	Cost of tender documents	NIL
g)	Amount of earnest money (Mandatory to be submitted)	<p>Rs. 10,02,540/- i.e., @ 2% of the estimated value of NIT in the form of Bank Guarantee / FDR from a Scheduled bank / Insurance Surety Bonds in favour of “Chief Construction Engineer, CCE (R&D) Estates, North, Chandigarh” payable at Chandigarh.</p> <p>Note:</p> <p>(a) A copy of the EMD to be uploaded online in Cover No.1 and original to be forwarded offline to this office before the due date i.e. before closing date submission of Hard copies for Technical Bid Evaluation (Cover No. 1), otherwise the tender will be treated as non-bonafide and will not be considered for technical evaluation.</p> <p>(b) A part of earnest money is acceptable in the form of bank guarantee also. In such cases 50% of earnest money or ₹ 20.00 lakhs whichever is less, will have to be deposited in the shape of FDR and balance can be accepted in form of bank guarantee issued by a scheduled bank.</p> <p>The Bank Guarantee submitted as a part of EMD shall be valid for a period of six months or more from the date of submission of the tender.</p>

CRITICAL DATE		
h)	Publishing date and time of tender documents	08 May 2026 at 1800 hrs
	Starting date & time of downloading of tender documents	08 May 2026 at 1830 hrs
	Pre-Bid Meeting at the office of CCE (R&D) Estates, North at Chandigarh	15 May 2026 at 1500 hrs
	Starting date and time of bid submission	18 May 2026 at 1800 hrs
	Closing date and time of bid submission	28 May 2026 at 1500 hrs
	Closing date of submission of hard Copies of Cover-1 (Technical bid including all eligibility criteria documents)	29 May 2026 at 1400 hrs
i)	Date and time of opening of technical bid (Cover-1)	29 May 2026 at 1500 hrs In case the bidder has any queries regarding his eligibility or otherwise, the same should be got clarified before opening of technical bid.
j)	Date and time of opening of price bid (Cover-2)	Will be made available online to the eligible bidders after completion of evaluation of Technical Bid.
k)	Validity of Tender/ Bids	120 Days from last date of submission of tender.
l)	Accepting Authority	CCE (R&D) Estates, North, Chandigarh
m)	Next Higher Engineer Authority	DCW&E HQ, New Delhi
n)	Completion Period	Ten (10) Months
o)	Procedure for submitting Tender	<p>(a) The bidder will upload the tender in two covers in ONLINE mode.</p> <p>(i) <u>Cover-1</u> - Technical bid consisting of Eligibility criteria documents as per Table-A to Appendix 'A' (as applicable)</p> <p>(ii) <u>Cover-2</u> - Financial bid/ Price bid.</p> <p>(b) On the due date & time of bid opening of the Cover-1, Technical Bid i.e., 'Eligibility Criteria documents only will be opened and processed.</p> <p>Note:</p> <p>(a) Technical Bid documents of COVER-1 to be submitted in HARD COPY in office of Accepting Authority before the prescribed due date and time.</p> <p>(b) No documents pertaining to Cover-2 (Price Bid) shall be submitted in hard copy. Bids with hard copy of price bid will be rejected.</p>

2. Eligibility Criteria:

- a) All agencies enlisted with DCW&E under Composite Class-I / Class-I(A) / Class-I(AA) / Class-I(AAA) / Class-I(Super) & Estate Management and Maintenance (DRDO - 2024) BIM-I class are eligible for participation in the tender. Copy of mandatory documents required as per Table-A to be submitted & uploaded in Cover-I.

- b) Tenderers are advised to note the following: -
- i. Application not accompanied by any of the requisite documents given in Table – A of Appendix A are liable to be rejected. **Conditional offers will also be rejected.**
 - ii. In any case, hard copy of **price bids** shall not be submitted, or else, tender bid will be liable for rejection.
 - iii. **Hard copies of technical bid documents shall be forwarded by due date.**
 - iv. **Submission of EMD as applicable as per NIT Clause No. 1(g) in original (Hard Copy) is mandatory by due date and time, failing which the tender will be rejected.**
 - v. Acceptance of Terms & Conditions of Tender (**Annexure – I to NIT**).
 - vi. Copies of Enlistment letters with DCW&E in appropriate category & class.
 - vii. **Bidding Capacity as per Form ‘A’.**

3. **Earnest Money Deposit (EMD):**

(a) 02 %(Two) of the estimated value of Tender specified shall be submitted as EMD in the form of Bank Guarantee / Insurance Surety Bond / FDR / TDR from the Schedule / Nationalized bank in favour of “**Accepting authority as defined and payable at his office location i.e. Chief Construction Engineer, CCE(R&D) Estates, North, Chandigarh.** Copy to be uploaded online in Cover No.1 and original to be forwarded offline to this office before the due date i.e., before closing date of submission of hard copies of Technical Evaluation Bid (Cover No. 1) otherwise the tender will be treated as non - bonafide and will not be opened. A part of earnest money is acceptable in the form of bank guarantee also. In such cases 50% of earnest money or Rs. 20.00 lakhs whichever is less, will have to be deposited in the shape of FDR and balance can be accepted in form of bank guarantee issued by a scheduled bank. **The EMD submitted as a part of Earnest Money shall be valid for a period of Bid Validity i.e. 120 (one hundred and twenty) days or more from the closing date of submission of the tender.**

(b) **Forfeiture of Earnest Money:** - If any Bidder withdraws his Tender before the expiry of the validity period of tender, or before the issue of letter of acceptance, whichever is earlier, or makes any modification in the terms and conditions of the Tender which are not acceptable to the department, then the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the Earnest Money absolutely. If contractor fails to furnish the prescribed Security Deposit within the prescribed period, the earnest money is absolutely forfeited to the President automatically without any notice. In case of forfeiture of Earnest Money as prescribed above, the Bidder shall not be allowed to participate in the e-tendering process of the work. In case the contractor fails to commence the work specified in the tender documents on the 15th day of such time period as mentioned in letter of award, after the date on which the engineer-in-charge issues written orders to commence the work, or from the date of handing over of the site, whichever is later, the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit whole of the earnest money absolutely. If only a part of the work as shown in the tender is awarded, and the contractor does not commence the work, the amount of the earnest money to be forfeited to the Government should be worked out with reference to the estimated cost of the work so awarded. **Tender not accompanied with required Earnest Money shall be liable to rejection.**

(c) **Refund of Earnest Money:** - The earnest money given by all the bidders except the lowest bidder should be refunded immediately after the expiry of stipulated bid validity period or immediately after acceptance of the successful bidder, whichever is earlier. However, in case of two/three Bid system, the earnest money deposit of bidders unsuccessful during technical evaluation should be returned within 30 days of declaration of result of technical bid evaluation etc. Earnest money Deposit shall be refunded on receipt of Performance Guarantee submitted on award of work. Earnest Money Deposit (EMD) provided by bidders in a tender process will not accrue any interest while held by the procuring entity.

4. **Bidding Capacity**

Bidding Capacity (applicable to enlisted bidder in DCW&E) The bidder should possess the bidding capacity as calculated by the specified formula.

Available bid capacity = (A x M x N) - B, where

A = Maximum value of Civil Works (civil works as relevant to work being procured) works executed in any one year during the last Seven years (updated at the current price level), taking into account the completed as

well as works in progress.

M = Multiplier Factor (usually 2.00)

N = Number of years prescribed for completion of the work in question.

B = Value (updated at the current price level) of the existing commitments and ongoing works to be completed in the next 'N' years.

Note: -

- i. The bidding capacity of the bidder obtained from above formula should be equal to or more than the estimated cost of the work put to tender.
- ii. In case the tenderer is lowest, the tendered amount will be considered as his workload for the purpose of calculating the bidding capacity in subsequent tenders issued by CCE(R&D) / EMUs. The subsequent tenders will be considered if he meets the bidding capacity criteria.
- iii. The bidder shall submit the Bidding Capacity as per the formula above along with supporting documents i.e., copies of LOI / Work Order for all work specified as per formula for bidding capacity.
- iv. All bidders must follow the terms and conditions of the ORDER No. P-45021/2/2017-PP (BE-II) dated: 16 Sep 2020, issued by Ministry of Commerce and Industry, Department for Promotion of Industry and Internal trade for apply of bid. The bidder shall also submit the certificate as per the Clause No. 9 of the referred order.
- v. **The Bidder shall submit the calculation of bidding capacity and also submit the value of existing commitments and ongoing works to be completed during the period of completion of this work duly certified by the Chartered Account (Form-A)**

(Scanned Copy of Documents from original shall be uploaded online and original to be submitted offline before due date of opening of Cover – I (Technical Bid).

***Un-enlisted bidders will not be considered.** Uploading of bid doesn't constitute any guarantee for the opening of the Technical / Financial Bid. The opening of bids will be decided by the competent authority based on the fulfilling of eligibility criteria. Accepting officer is the sole authority for the purpose of this tender.

5. **Value of Tender /Work:**

(a) The Estimated Cost as mentioned in 1 (c) Estimated Cost Put to Tender includes Contractor Profit and Over Heads and Taxes levied along with man and material costs.

(b) The value of work will be quoted bid price on the BOQ which includes Contractor Profit, Over Head, Taxes etc. as applicable.

6. **General Guidelines:**

All bids (Technical and Financial) should be uploaded in the Central Public Procurement Portal (e-procurement) (<https://eprocure.gov.in>) only. No manual price bids will be accepted. Corrigendum and addendum (if any) will be uploaded on Central Public Procurement Portal (e-procurement) (<https://eprocure.gov.in>). Bidders are advised to visit web page and update themselves. All revisions, clarifications, Corrigendum/addendum are the part of tender documents and bidders are supposed to upload the same, duly digitally signed by the legal owner of the Firm or the person authorised by him to do so as per the guidelines given in the tender enquiry.

7. **Bid Submission at Office of the Accepting Authority:**

(a) Any agency enlisted with DCW&E in appropriate Class & Category willing to take part in the process of e-Tendering will have to be enrolled & registered with the Government e-Procurement portal [.https://eprocure.gov.in](https://eprocure.gov.in).

(b) Bidders to obtain **Digital Signature Certificate**, from the approved service provider of the **National Information's Centre (NIC)** on payment of requisite details and available at the Web Site.

(c) **Bids shall be submitted online only at CPP Portal web site:** <https://eprocure.gov.in> by the time specified in the tender enquiry. Prospective Contractors are advised to start uploading process well in time and not leave it to the last minute as same may take time because of the data involved. If the date of opening of tenders happens to be a public holiday, then the tenders will be opened on next working day at the same time and place. Bidder / Contractors are advised to follow the instructions provided in

the “**Instructions to Bidder**’ for the e-submission of the bids online through the Central Public Procurement Portal for e-Procurement at <https://eprocure.gov.in> before proceeding with the tender.

- (d) **Bidders should quote as per the Price Bid format in excel sheet and in the allotted space only. In no case, price Bids shall be submitted in Hard Copy.**
- (e) **Submission of Hard Copy Documents:**
- i) **In order to consider e-bids for the subject work, the following documents are to be submitted in hard copy by bidders in the office of Accepting Authority by due date and time positively, failing which the firm can be rendered ineligible for the opening of financial bid.**
 - ii) **Submission of EMD as applicable as per NIT Clause No. 1(g) in original (Hard Copy) is mandatory by due date and time, failing which the tender will be rejected.**
 - iii) **Proof of enlistment in appropriate Class & Category in DCW&E, New Delhi.**
 - iv) **All requisite applicable documents pertaining to Eligibility Criteria and Technical Evaluation as required for eligibility as stated in Respective clauses of this tender enquiry. (Refer Appendix-A)**
 - v) **The hard copy of eligibility criteria & Technical bid shall be submitted in one sealed envelope Cover-1 and should reach the following address on or before the expiry of the prescribed time limit.**
 - vi) **The office of Accepting Authority takes no responsibility for delay, loss or non-receipt of bid / documents sent by post / courier. EMD sent through Fax or Email shall not be accepted.**
 - vii) **In case bidder fails to submit the documents within specified time frame, it should upload the dispatch bill received from courier/ India post on the CPP portal along with uploading of other documents as required. It is to ensure that the hard copy of documents shall reach within 05 working days from the date of Cover-1 bid opening for the consideration of acceptance else the bidder shall be treated as disqualified.**

Address for Correspondences
CCE (R&D) Estates, North, Chandigarh,
M-1026, Sector 29-A
Chandigarh – 160030
Email: - cceestn.estates@gov.in

8. Expenses for Tender Preparation:

For the preparation and submission of tender, bidder shall Not be entitled to any cost expenses or other claims whether the tender is accepted, or rejected or invitation to tender withdrawn or cancelled.

9. Incomplete Tenders :

The scope of work, terms and conditions and other details have been specified in the tender documents. Bidder shall prepare and submit his tender keeping in mind the completeness of works indicated in the tender documents. Any tender Not quoting for the complete work as per tender documents or is otherwise incomplete or is Not in compliance with the tender documents shall be liable to rejection.

10. Tenderer Not to Resile :

- i) Bidder shall not resile from this technical, commercial and price offer. Should the bidder resile from his tender in any manner whatsoever the tender submitted by him shall be liable to rejection. Bidder shall be allowed to revise his offer only if specifically, so requested by the owner.
- ii) If any discrepancy is noticed between the Eligibility documents as uploaded at the time of submission of Bid and hard copies as submitted physically in the office of Tender Inviting Authority by due date and time, the evaluation will be done on the basis of uploaded documents only. However, if any requisite document is not found in hard copy, **the same may be referred from the uploaded document in the Portal.**
- iii) Clarifications, if any required to be sought on the submitted documents may be obtained through email or through portal regarding eligibility of agencies.

- iv) Bidder / Bidders should submit / upload in the Portal, the entire Tender Enquiry document, digitally signed along with all corrigendum / addendums, if any published later on, as it is downloaded from the Portal, as a token of acceptance, in the appropriate given cover only.
- v) Tender document in which the Tender is submitted by a Bidder shall become the property of the Employer and the Employer shall have no obligation to return the same to the Bidder.

11. **Details of Work:**

Agencies are requested to clearly understand the scope of work, location and details of manpower to be positioned and nature of duty, etc., before participating in the tender. Agencies are advised to inspect their own option, and site of work and acquaint themselves with the working conditions including constraints and collect all necessary information for carrying out the work. The works are to be executed at **DRL Tezpur Assam** and Police verification has to be obtained for all staff / persons deployed under the contract prior to physical deployment at the site.

12. **Site Inspection/ Clarifications:**

a) Clarifications on all aspects of the tender including specifications etc., shall be got done during the pre-bid meeting which will be held as per details given in Para 1 (h) above and any further query, at least 48 hrs., before the closing date of bid submission.

b) Bidders are advised to visit the site and understand the site conditions and security restrictions and requirements for the manpower to be engaged for the work and acquaint themselves with the working conditions including constraints, if any, and collect all necessary information for estimating the exact quantum/ nature of work involved for carrying out the work satisfactorily before quoting their rates. The bidders shall submit their intention in writing along with Nos of persons, their details and proposed dates of visit (minimum two such dates to be given). It is intimated that organising such site visit by the bidders may take a few days for the department. The bidders may contact the tender issuing authority, whose contact details; e-mail, address and contact numbers are given below for any clarifications:

For Site Visit	For Clarification regarding tender
Name: Sh. D K Jaswal Estate Manager, EMU (R&D), Tezpur Phone Office: 03712-260643 Email Id: meu.tezpur@gov.in	Sh. UVP Siva Rama Krishna, Dy. CCE Phone Office: 0172-2672000/ 2672050 Email id: cceestn.estates@gov.in

13. **Modification and Withdrawal of Bids: -**

a) A bidder may modify or withdraw his bid online till deadline prescribed for submission of bids. **Withdrawal of a bid after last date of submission and physical receipt of the EMD will call of forfeiture of the EMD as per respective clauses.**

b) No request for transfer of any previous deposit of earnest money or security deposit or payment of any pending bill held by the Office of Chief Construction Engineer (R&D) Estates, North, Chandigarh, in respect of any previous work will be entertained.

c) Bidder shall not be permitted to withdraw his offer or modify the terms and conditions thereof. In case the bidder fails to observe and comply with the stipulations made herein or backs out after quoting the rates, the aforesaid bank guarantee will be forfeited and bidder may be declared as defaulter and liable for black listing / ban.

14. **Rejection of Bids:** Canvassing by the Bidder in any form, unsolicited letter and post-Tender correction may invoke summary rejection with forfeiture of EMD. Conditional Tenders will be rejected.

15. Bidders may note that they are liable to be disqualified at any time during tendering process in case any of the information furnished by them is not found to be true. EMD of such bidder shall be forfeited. The decision of Chief Construction Engineer (R&D) Estates, North, Chandigarh in this regard shall be final and binding.

16. All entries in the tender forms / annexures should be legible and filled clearly. If the space for furnishing information is insufficient, a separate sheet duly signed by the authorized signatory may be attached. Minor correction, if any, made in the form will be allowed only if the same is endorsed by the bidder with his signature.

17. No modification or substitution of the submitted bids shall be allowed. The Office of Accepting Authority reserves the right to retain bids once submitted. It is clarified that bids once submitted will not be returned to the bidder.
18. A bid (Price bid) submitted without the cost and incomplete or conditional bids shall also be not considered and will be out rightly rejected in the very first instance.
19. **If any bidder is found to have business or family relationship with any employee DCW&E (CCE's / EMUs included), his bid will be rejected. A declaration to this effect shall be provided by the bidder along with Prequalification Bid.**
20. The Bids shall be opened on the Central Procurement Portal (e-procurement) on the scheduled date and time as specified. No separate intimation shall be sent to bidders for the same.
21. **Validity of Offer:**
The validity of the offer shall be **120 days** from the last date of submission of bid. If any bidder withdraws his tender within the validity period or makes any modifications in terms and conditions of the tender and / or rates after submission of tender does not start the work within stipulated period from the date of issue of letter of acceptance, then Chief Construction Engineer (R&D) Estates, North, Chandigarh, shall without prejudice to any other right or remedy, be at liberty to forfeit the earnest money deposited (EMD) by the bidder. In case of forfeiture of EMD, the bidder shall be debarred from bidding in case of re-invitation of the tender.
Note: The L-1 tenderer is bound to accept the tender and execute / perform the work as envisaged in the tender documents. In case of unwillingness to perform / execute the work or withdraws his L-1 offer due to any reason including incorrect / wrong quoting, the firm will be debarred to participate in any future tender for a minimum duration of one year or as per decided by the accepting authority
22. **Period of Completion:**
The entire Scope of work under this contract / Job Work Order is to be completed within **10 (Ten) Months** from the date of commencement as given in Contract Agreement / Job Work Order. However, extension period if any beyond the original PDC will be considered on recommendation of Project Manager / Engineer in Charge on situation beyond control of contractor.
The work is required to be completed within a period as specified in the **NIT** from the date of issue of letter of acceptance and the contractor shall not be allowed any extension of completion time except in force majeure as given in GCC.
23. **Amount to be quoted & acceptance of tender:**
- The bidder shall quote only in percentage over Total Amount of BOQ of tender uploaded in excel format. Any other obligatory charges which are not considered in estimated cost of tender to be considered by bidder in the percentage quoted.
 - In the Bill of Quantities (BOQ), while quoting, the bidders shall select the 'Excess (+) or Less (-)' button and after entering their quoted percentage value ensure that the value in the "Total Amount" column is increased / decreased from the estimated value of the tender. Entry up to ONLY two decimal points in the quoted percentage is desirable & restricted as the lower percentage value is automatically rounded off to two decimal points in display by the system while preparation of CST. In case of any discrepancy between the displayed values of "Quoted Percentage" and "Quoted Rate" in the CST prepared by the system, the value of quoted percentage, as displayed in the excel sheet uploaded by the bidders will be treated as final and binding.
 - In case, the quoted amount of two or more tenderers are same and also the lowest, then L1 will be decided after obtaining revised offer in sealed covers from such tenderers by the Board of Officers. The revised offer shall not be more than the original quoted amount.
 - If in the above case, it is found by the board of officers that the amount as per the revised offer is again equal, then the lowest tender will be decided by draw of lots by the same board of officers. The tenderer or their authorised representatives may attend the Draw of Lots, the date and time of which will be communicated through e-mail.
24. **Financial Commitment**
This Tender Enquiry is being issued with no financial commitment and the Accepting Authority reserves the right to change or vary any part thereof at any stage including withdrawal of the Tender Enquiry, if it becomes necessary at any stage.

25. **Execution of Work**
The work will be executed in accordance with the provisions of this Tender Enquiry and relevant clauses of “**General Conditions of Contract (GCC) 2023 as applicable to R&D Construction Establishment (RDCE 2024)**” and **Special Terms and Conditions as attached**. In case of any ambiguity, the terms and conditions the GCC-2023 will take precedence over other conditions. CCE (R&D) Estates, North, Chandigarh reserves the right to amend / cancel or modify any terms / conditions of contract, partially / fully during the currency of the contract due to any reason.
26. **Clarifications/ Interpretations:**
(a) The bidder shall carefully study the complete quotation/ tender documents and other connected documents including general and special conditions etc. and completely acquaint themselves with all documents and their contents therein. Clarifications required, if any shall be obtained from the Department before submitting the bid, so as to avoid misinterpretation of facts by the contractor. Ambiguity, if any, shall be got clarified from the Chief Construction Engineer(R&D) Estates North, Chandigarh, Accepting Authority, well in advance. In case of any query / clarification, the same may please be got clarified well before quoting for the tender. No presumption/ assumption / misinterpretation shall be accepted if contrary to the tender condition. **No representation/ explanation will be entertained in this regard at later stage. Bidders are advised to seek clarifications if required, well before submission of the bid.**
Please note that conditional quotations will be rejected, and no representation will be entertained. The decision of the Chief Construction Engineer (R&D) Estates, North, Chandigarh, Accepting Authority will be final and binding in this regard.
(b) **Accepting Authority**, shall have the right to amend, delete / add to the various provisions in the Tender documents or withdraw / cancel the invitation to tender without assigning any reason. The amendments / errata issued by the **Accepting Authority**, shall be read carefully in conjunction with the Tender documents and shall be submitted along with Tender documents as a part thereof. The contract price / rate / amount shall be deemed to have been worked out considering amendment / errata also.
27. **Acceptance of Tender by Owner/ Accepting Authority**
(a) OWNER shall Not be bound to accept the lowest or any tender or to assign reasons for Non acceptance of any Tender. OWNER also reserves the right to accept a tender either in whole or in part. Breakup of prices/ items rates shall be binding on the tenderer even in the case of acceptance of a tender in part.
(b) The CA shall be accepted by the CEA after approval of the appropriate Tender Committee. The running bills of the CA shall be audited and passed for payment by AO/AAO of DAD. The final bill of the CA shall be audited and passed for payment by CDA/PCDA.
28. **Notice to Local Authorities during Execution**
The contractor shall be responsible for giving all necessary notices to the local authorities while the work is in progress. He shall also be responsible for the adequate lighting at any place and clear any heap of materials or other obstacles which may be dangerous or nuisance to the public.
29. **Contract Agreement**
As per Para 92 of RDCE WP 2024 in respect of works with estimated value more than Rupees 50 Lakhs, a contract agreement shall be executed on stamp paper with the contract document having all necessary clauses including GCC, scope of work, specifications, other conditions of the tender, Letter of Acceptance etc to make it a self-contained contract. Contract Agreement will be signed between the successful bidder and the CCE (R&D) Estates, North, Chandigarh. As per Article 1, Para 1.35 of the General condition of the contract all the clauses of these tender documents and amendments issued subsequently will for a part of this Agreement. Format of the Contract agreement is attached as **Appendix- ‘H’** to this section.
30. **Security Deposit (GCC Article 6.2)**
(a) The contractor shall submit an initial security deposit of **2.5% (Two-point five percent)** of the initial contract price in the form of a bank Guarantee bond, fixed deposit receipt (FDR), Insurance Surety Bond etc. of any scheduled commercial bank within 21 days of letter of Intent (LOI) with initial validity up to 90 days beyond the completion of defect liability period (DLP) of the contract. However, in case the date of completion of DLP gets extended or date of issue of “Final acceptance certificate “is 90 days beyond original DLP, the Bank Guarantee for Security Deposit Shall be released after completion of extended DLP, issue of “Final Acceptance Certificate” and submission of “No Demand Certificate” by the Contract.

- (b) In case of increase in contract sum, the additional 2.5% of the increased contract sum shall be deposited in the form of bank Guarantee Bond/FDR/Insurance Surety Bond towards Security Deposit with validity up to 90 days beyond the completion of Defect Liability Period (DLP).
31. **Performance Bank Guarantee (PBG) (GCC Article 6.12) :**
- (a) The contractor shall submit irrevocable Performance Bank Gurantee totalling to 7.5% (Seven and Half percent) or as specified in the SCC of the final contract sum, inclusive of initial Security Deposit of 2.5% (Two and a half percent). Initial security deposit of 2.5% shall be submitted within 21 days from the date of issue of Letter of Intent (LOI) and shall be released 90 days after expiry of the DLP and satisfactory completion of all contractual obligations including DLP obligations on issuance of "Final Acceptance Certificate (FAC)" by the OWNER and submission of "No Demand Certificate" by the CONTRACTOR. If Defect Liability Period is extended validity of Bank Guarantee shall be extended up to extended DLP.
- (b) In case any contractual obligations remain outstanding, the CONTRCTOR shall extend BGS securities as asked by the OWNER till the time the CONTRACTOR settles and completes all contractual obligations.
- (c) The OWNER reserve the right to forfeit the PBGs, if any provisions of the Contract are not fulfilled by the CONTRACTOR.
- (d) In case of increase in contract sum, the additional 2.5% of the increased contract sum shall be deposited in the form of bank Guarantee Bond/FDR/Insurance Surety Bond towards Security Deposit with validity up to 90 days beyond the completion of Defect Liability Period (DLP).
32. **Additional Performance Security Deposit:**
- L1 bidder whose bid price is below 10% of the Project cost put to tender will be required to submit additional security deposit as under: -
- (a) **Where the bid price is below 10% but not below 20% of the project cost put to bid.** *The additional performance guarantee/security percentage shall be incremented by 0.1% for every percentage of bid price below 10% of the project cost put ot bid starting of 11% with additional bid performance guarantee being 0.1% and this additional performance guarantee percentage shall be applied on the bid price.*
- (b) **Where the bid price is below 20% but not below 20% of the project cost put to bid.** *The additional performance guarantee/security percentage shall be incremented by 0.2% for every percentage of bid price below 20% of the project cost put to bid in additional to 1% of the bid price and this additional performance guarantee percentage shall be applied on the bid price.*
- (c) *The additional performance guarantee percentage shall be rounded off to the next lower percentage based on whether the decimal point of the percentage of bid price is below 0.5% or next higher percentage based on whether the decimal point of the percentage of bid price is 0.5% or more.*
- (d) *The additional performance security shall be treated as part of the performance security.*
33. **Opening of Tender**
- Tender shall be opened as per the dates published and amended in the e-Tender please. Refer e-Procurement Portal for the same.
34. **Acceptance of Terms & Conditions of Contract**
- The vendor has to *accept all terms & conditions of the contract* and issue a certificate to the effect as per Annexure - I of the tender. Non submission of the tender this certificate with Cover – I of tender will lead to rejection of Bid.
35. **Failure of L1 Tenderer to Accept Contract**
- (i) The L1 tenderer is bound to accept the tender and execute / perform the work as envisaged in the tender documents. In case of unwilling to perform / execute the work or withdraw his L1 offer due to any reason including incorrect / wrong quoting. The Firm will be debarred to participate in any future tender for a minimum duration of one year or period as decided by accepting authority.
- (ii) Apart from the above, the complete EMD amount will be forfeited and the same will be deposited into Government treasury accordingly. No representation will be entertained in this regard. The decision of the accepting authority is final and binding.
36. **Justification / Rate Analysis:**
- Where the overall bid price is below 10% of the cost put to tender the lowest bidder may be required to submit detailed justification / rate analysis of Major Components, Labour, Materials and profit margin consideration including Assurance of Quality Control measures to maintain specified and quality standards and timelines without compromising on safety, specifications and contractual obligations.

37. Quoting of rates and Taxes & Duties

- (i) All the rates quoted in the Bill of Quantities shall be deemed to be inclusive of all Central / State / Local body taxes & duties including GST as applicable.
- (ii) All taxes on works contract, GST, duties, fees, levies, octroi, excise or other charges levied on the CONTRACTOR as applicable in connection with the contract work shall be borne and paid by the CONTRACTOR. No increase/ decrease in taxes / duties, statutory or otherwise, after submission of tenders and during the execution of the works, shall be adjusted.
- (iii) All bank charges, taxes, dues and all other charges in connection with payment to be made to the CONTRACTOR and in connection with Bank Guarantee shall be born and paid by the CONTRACTOR.
- (iv) Income tax at the rate of 2% (Two percent) of the gross value of the contract including labour welfare cess@ 1% and GST @ 2% thereon as applicable, shall be progressively deducted from the CONTRACTOR's bill by the CCE (R&D) Estates, North, Chandigarh for depositing the same with the Income Tax Authorities.
- (v) Where required by the State Government(s), Taxes on works contract shall be recovered at the prescribed rates from the CONTRACTOR's running bills by the CCE (R&D) Estates, North for depositing the same with the State Government.
- (vi) Proof of payment of GST as applicable shall be submitted along with running payment for record purposes.
- (vii) The Contractor shall pay the GST as per periodicity and rate as laid down by the Government and as amended from time to time. The amount quoted by the contractor is all inclusive and as such no separate payment/ re-imburement will be made in this regard. The CCE (R&D) Estates, North, Chandigarh reserves the right to cancel the work order without any notice and also blacklist the Firm for such default.
38. **Issue of Notices:** All notices to be given or taken hereunder on behalf of the Govt. will be served by the Chief Construction Engineer or by an Officer who is entrusted with the functions, duties and responsibilities of the said Chief Construction Engineer.
39. **Labour:** The contractor shall employ labour in sufficient numbers regularly or seasonally to maintain the required rate of progress and quality to ensure workmanship of the degree required by the specifications and to the satisfaction of the Engineer-in-Charge/CCE. Only Indian Nationals shall be employed by the Contractor. Contractor shall abide by all labour laws/acts in force.
40. **Fair Wages:** The following acts as amend from time to time shall be complied with by the contractor. Payment of Wages Act 1936, Minimum Wages Act 1948, Employer's liability Act 1938 and Workman's Compensation Act 1923. The contractor shall pay not less than the "Fair Wage" to labourers engaged by him on the work as per Central Govt. wages published by Government of India, Ministry of Labour & Employment, Office of the Chief Labour Commissioner (C), New Delhi notified at the time of inviting quotations for the station at which the work is done.
41. **Deductions from Job Work Order Price:** Owner reserve the right to carry out post payment audit and Technical Examination of the works and final bill and enforce recovery when detected. If, as a result of such audit and Technical Examination, any over payment is discovered in respect of work done under this job work order, the contractor on written demand make payment of a sum equal to the amount of over payments or agree to effect necessary adjustment from any amount due to him by owner.
42. **Registration with Labour Commissioner:** The contractor shall obtain license, from Labour Commissioner under the Contract Labour (R&A) Act 1970 and Rules framed there under before commencement of the work and continue to hold it till completion of the contract period. The contractor shall comply with the provisions of the payment of Wages Act 1936, Minimum Wages Act 1748, Employment Liability Act 1938, Workmen Compensation Act 1923, Industrial Disputes Act 1947, and the Contract Labour (R&A) Act 1970 or the modifications thereof and the rules made there under from time to time. The contractor shall maintain the following registers as Contract Labour (R&A) Act 1970: -
- (a) Register of workmen as per Form XIII of Rule 75.
- (b) Employment cards as per Form XIV of Rule 76.
- (c) Muster Roll Register as per Form XIV of Rule 78.
- (d) Register of wages as per Form XVI of Rule 78.
- (e) Any other Register / Record required by Labour Commissioner from time to time.

Sd/-
(UVP Siva Rama Krishna)
Dy CCE
for CCE(R&D Estates North

Enclosures:-

- i. Appendix 'A' - Eligibility Criteria with Table A- List of Eligibility Documents to be Submitted
- ii. Appendix 'B' - Scope of Work and Technical Specification
- iii. Appendix 'C' - Terms & Conditions
- iv. Appendix 'D' - Special Condition of Contract (SCC)
- v. Appendix 'E' - General Condition of Contract-2023 (GCC-2023)
- vi. Appendix 'F' - Percentage Bill of Quantity (BOQ)
- vii. Appendix 'G' - Format for BG
- viii. Appendix 'H' - Format for Agreement
- ix. Appendix 'J' - Format of Certificate For GCC
- x. Appendix 'K' - List of Preferred Makes of Materials
- xi. Appendix 'L' - Employee Profile Form
- xii. Annexure-I - Acceptance Of Terms & Conditions of Tender
- xiii. Annexure-II - Details of Similar Works for Prequalification Criteria
- xiv. Annexure-III - Proforma for Performance Certificate
- xv. Annexure-IV - Annual Financial Turnover

Copy following offices for wide publicity

1. Director (CW&E), New Delhi - (Fax No.011-23011547)
2. CCE (R&D) North, Delhi - (Fax No.011-26767225)
3. CCE (R&D) Central, Delhi - (Fax No.011-26152757)
4. CCE (R&D) Delhi, Delhi - (Fax No.011-23814902)
5. CCE (R&D) West, Pune - (Fax No.020-25865061)
6. CCE (R&D) East, Kolkata - (Fax No.033-22420170)
7. CCE (R&D) Estates North, Chandigarh - (Fax No.0172-2651100)
8. CCE (R&D) South, Secunderabad - (Fax No.040-27751405)
9. CCE (R&D) Special Maintenance, Nagpur - (Fax No.040-27751405)
10. EMU (R&D), Bangalore - (Fax No.080-25348127)
11. EMU (R&D), Balasore - (Fax No.06782-272149)
12. EMU (R&D), Chandigarh - (Fax No.0172-2639038)
13. EMU (R&D), Chennai - (Fax No.044-26375919)
14. EMU (R&D), Delhi - (Fax No.011-23960738)
15. EMU (R&D), Dehradun - (Fax No.0135-2780379)
16. EMU (R&D), DRDO Bhawan, New Delhi - (Fax No.011-23007934)
17. EMU (R&D), Hyderabad - (Fax No.040-24346246)
18. EMU (R&D), Jagdalpur - (Fax No.07782-227167)
19. EMU (R&D), Nagpur - (Fax No.0712-2520286)
20. EMU (R&D), Nasik - (Fax No.0255-7279001)
21. EMU (R&D), Pune - (Fax No.020-25865105)
22. EMU (R&D), Tezpur - (Fax No. 03712-258534)
23. Admin Section, O/o CCE (R&D) Estates North

ELIGIBILITY CRITERIA FOR BIDDERS**1. Eligibility Criteria:**

a) All agencies enlisted with DCW&E under Composite Class-I / Class-I(A) / Class-I(AA) / Class-I(AAA) / Class-I(Super) & Estate Management and Maintenance (DRDO - 2024) BIM-I class are eligible for participation in the tender. Copy of mandatory documents required as per Table-A to be submitted & uploaded in Cover-I.

TABLE-A to Appx 'A'

LIST OF ELIGIBILITY DOCUMENTS TO BE SUBMITTED

Sl. No	Description of Documents	Bidders as per Para 1 of Appx 'A'	Enclosures
1.	Copies of Enlistment letters with DCW&E in required category & class	√	Copies of Enlistment Letters
2.	Undertaking for Accepting terms & conditions of the Tender Enquiry	√	Annexure-I
3.	Submission of EMD in form of Original BG / FDR / TDR towards earnest money is mandatory.	√	Original BG / FDR / TDR
4.	Bidding Capacity duly verified by CA	√	Form-A attached
5.	Similar works completed and required to meet eligibility criteria	√	Annexure-II
6.	Performance certificate of similar works required to meet eligibility criteria	√	Annexure-III
7.	Average Annual Financial turnover of the firm for last Five years duly audited and certified by the statutory auditors with profit and loss statement/details	√	Annexure-IV (By Statutory Auditor)

2. Pre-Qualification Criteria: -**(I) Qualifying Works:-**

(a) Should have experience of having successfully completed similar works during last 7 years ending last day of month previous to the one in which applications are invited fulfilling either of the following: -

i. Three similar completed works each costing to ₹ 2,00,50,800.00 or above in the past 7 years, i.e., 40% of estimated cost of ₹ 5,01,27,000.00.

OR

ii. Two similar completed works each costing to ₹ 2,50,63,500.00 or above in the past 7 years, i.e., 50% of estimated cost of ₹ 5,01,27,000.00.

OR

iii. One similar completed work costing to ₹ 4,01,01,600.00 or above in the past 7 years, i.e., 80% of estimated cost of ₹ 5,01,27,000.00.

AND

iv) The bidder shall furnish the details of completed works as per **Annexure-II & Annexure-III**. The bidder shall also furnish Contract Agreement award letters of all the works. Completed works in

which compensation / penalty is levied by the competent authority for delay in completion of the work / unsatisfactory performance of work are not eligible for participation in the tender.

(v) **For meeting eligibility criteria, out of the eligible works, as per Para 2 (I), (a), (i) to (iii) it is mandatory that at least 01 similar work value not less than 40% respectively should have been successfully completed with some Central Government Department / State Government Department / Central Autonomous Body / State Autonomous Body / Central Public Sector Undertaking / State Public Sector Undertaking / City Development Authority / Municipal Corporation of City formed under any Act by Central / State Government and published in Central / State Gazette, which can either be a part of or other than the work being submitted for Para 2, (I), (a), Sub-Parts (i), (ii) and (iii).**

Note : -

(a) "In case, any of the Pre-qualification criteria given in the above para 1(a) are not fulfilled due to the effect of COVID Pandemic during the **FY 2020-21 and FY 2021-22**, the period of two additional preceding years may be taken into account.

(b) Definition of Similar Work is Composite Civil Work / Addition Alteration / Special Repair works will be considered as Similar Work.

(c) Agency not fulfilling the criteria shall not be considered eligible even though they may have done other works elsewhere. Also, ongoing work in any establishment will not be considered for eligibility.

(d) It is mandatory to submit completion certificates or performance certificate (Refer Annexure – III and copy of work order/ contract of similar works (Annexure-II) meeting the PQ criteria as per para 2(a) & 2(b) above or else the tender is liable to be rejected and will not be considered for opening of price bid. The completion certificate/ performance certificate shall invariably contain the duration of the work including extended period, if any, and value of work done (year wise/ part thereof).

(e) Value of executed similar work(s) (for the original job work order / CA period) shall be brought to current costing level by enhancing the actual value of the work at simple rate of 7% per annum, calculated from the date of completion to previous day of last date of submission of bid, which will be applicable for both Eligibility Criteria and Technical Bid Evaluation.

(f) The bidder shall submit a Certificate for Acceptance of terms and conditions of tender. It shall be uploaded online (As per Annexure- 'I').

(g) The bidder should also submit a declaration that no litigation is pending against them with any department/ organisation.

(h) The works which are executed by the firm having poor performance / completed with levy of compensation for delay in completion shall not be qualified in the PQ Criteria.

3. Financial Soundness:

i) Average annual financial turnover during the last 03 years ending 31 Mar of the previous financial years (i.e. up to 31 Mar 2025) should be at least 30% of the estimated cost, i.e., **Rs. 1,50,38,100.00**. Copies of the balance sheets duly certified by the Statutory Auditors shall be attached. The value of the Annual Turnover figures shall be brought to the current value by enhancing the actual turnover figures at simple rate of 7% per annum.

ii) The applicants / firm should not have incurred any loss (i.e., profit after tax should be positive) in more than three years during the last 05 (Five) consecutive years ending up to previous financial year i.e., 31 Mar 2025. Profit & loss accounts duly verified by the Chartered Accountant shall be attached as per **Annexure – IV (already attached)**.

Scope of Work and Technical Specification

1. **Scope of Work:** The scope of work to be executed by bidder shall include the scope of work as followings and details as mentioned in BOQ. Provision of standard features including Design / Layout of Fire Fighting Scheme and its approval by State Fire Advisor along with obtaining of NOC from State Authorities after completion will be sole responsibility of the Contractor. Payments for firefighting items of BOQ will be released after submission of NOC only.

Building works Including Internal Services

- (a) Construction of Security office Building GF, FF and Mumty as per drawing enclosed. RCC frame structure.
- (b) Watch Tower as per drawing enclosed. RCC frame structure.
- (c) Addl works for existing security Room Entrance.
- (d) Demolition and reconstruction of Boundary Wall, Road, hardstanding.

Special Items of Works

- (a) Fire fighting system with wet riser as per drawing enclosed.
- (b) Automatic Fire Alarm system as per drawing enclosed.
- (c) Access Control system as per drawing enclosed.
- (d) Air Conditioners 2 Ton Split AC Five Star rating with copper condenser.
- (e) Training of staff and Mock drills for Fire Fighting and Fire Alarm system.

External Road and Services

- (a) Roads and hardstanding as per drawing enclosed.
- (b) Hardstanding as per drawing enclosed.
- (c) Water Supply services – Laying of CPVC / PPR Pipes.
- (d) Electric Supply – Laying of PVC insulate & PVC Sheathed XLPE Power cable of 1.1 KV Grade.
- (e) Sewage Disposal.
- (f) Area Development & Drainage – Levelling of land, footpath with PCC base 60 mm thick Paver blocks and Kerb Stone edging
- (g) Dismantling & Demolition of Old depilated Boundary Wall.
- (h) Re Construction of Boundary wall with Y angle & concertina coil as per drawing enclosed.
- (i) Electro Mechanical Boom Barrier with all accessories up to 6 m – 01 Nos.
- (j) (Water cooler RO system Aqua guard pure seal 80 Litre capacity

2. The scope of work as mentioned above should also be read with respective clause of **GCC-2023 and SCC** and the scopes mentioned in BOQ. Any other works necessary for the completion of the work as per direction of Engineer- in-Charge may also to be added and payment shall be made as per respective clause of SCC.

Note:

- (i) The Indian Standard codes published by the Bureau of Indian standards (BIS) under Engineering Division of respective works which are revised time to time to be followed.
- (ii) the equipment shall also confirm to the provisions of Indian Electricity rules and other statutory regulations currently in force.
- (iii) In case Indian standards are not available for ay equipment, standards issued by IEC / BS / VDE / IEEE / NEMA or equivalent agency shall be applicable.
- (iv) The equipment being used for Fire Fighting shall also conform to the provisions of Indian Standard Codes (IS Codes) for National Building Code (NBC) Part 4 for Fire Fighting which endure fire safety and other statutory regulations currently in force.
- (v) Automatic Sprinklers: IS 15105:2021.

3. **General information for scope of work**

- (i) Preparation and access to site is contractor's responsibility only.
- (ii) BOQ is based on Percentage rate on total amount is inclusive of Contractor Profit.

- (iii) All items of work under BOQ shall be read in conjunction with drawings, particular Specifications, technical specifications, and list of preferred makes of materials. Wherever the details are not available in standard engineering practices, BIS code of practice shall be applicable.
- (iv) Quantities given in BOQ are provisional and shall be executed as ordered by the Engineer-in-Charge.
- (v) Interested Tenderer are requested to visit the above site in their own interest to examine the proposed area and site details which would enable them to submit their bid in a confident and informed manner. Tenderer to meet Technical Specifications as per IS standards & guidelines of Fire Alarm and Fire Protection System as per local **Fire Advisor and Fire Safety Inspector**.
- (vi) It is the responsibility of the Tenderer to arrange for inspection and approval of the **Fire Protection and Alarm System** installed before the **Fire Protection and Alarm System** is handed over to the user to department.
- (vii) The Fire Alarm System shall be under comprehensive warranty maintenance (inclusive of all spares and labour) of the Tenderer for a minimum period of 12 months from the date of issue the approval by the statutory authorities. Department will not make any payment on any maintenance during warranty period including attending the break down and fault rectifications.
- (viii) The design, material, construction, manufacture, inspection, testing and performance of Fire Protection and Fire Alarm System shall comply with all currently applicable status, regulations and safety codes in the locality where the equipment will be installed. The equipment shall also conform to the relevant Indian standard or equivalent BSS or latest applicable standards.
- (ix) In addition to the manufacture, supply, installation, testing and commissioning of the Fire Protection and Fire Alarm System including all auxiliary equipments, additional works required shall be deemed to be included within the scope of the work to be done by the contractor and nothing extra on this account shall be paid.
- (x) All minor building work necessary for installation of equipment such as making of opening in walls/floors, either of RCC or brick masonry, etc., and restoring them to original condition and finish shall be responsibility of the Contractor.
- (xi) The contractor shall be fully responsible for the any injury or damaged caused to the workmen deployed at site for carrying out the work and department has nothing to do with such happenings and in no way shall be held responsible for the same.
- (xii) All communication should be addressed to Estate manager EMU(R&D) Tezpur or CCE(R&D) Estate North Chandigarh only.
- (xiii) **Drawings:** - Tender Drawings for architectural / Structural drawings (Plan / Elevation) along with dimension for reference. **(Drawings as per Sr. No. 1 to 37). The items mentioned in BOQ to be executed on the basis of drawings attached as required and approved by Engineer-in-Charge and Project Manager.**

4. **Material**

Material and workmanship shall be all as per **CPWD Specifications VOL-I & II with latest amendment** or as specified elsewhere in the tender documents. An approved list of make of materials is attached as **Appendix-'K'**. All materials shall be contractor's supply and shall be of Best Quality available. All materials shall generally conform to the relevant specifications given in the tender documents. The samples of all such materials shall be Got Approved from the Engineer-in-Charge in Writing before these materials are brought to site in bulk.

5. **Fine Aggregate**

Fine aggregate for all cement concrete/ other works including RCC shall be naturally occurring river sand & shall meet the requirements of **grading III all as specified in IS 383**.

6. **Royalty for Filling Material**

- i) The contractor will pay applicable royalty for material to the State Govt., The cost of which should be included in the quote. Royalty bills will have to be submitted with RAR against quantities included in the bill.
- ii) All manufactured materials/articles other than those manufactured in contractor's workshop at site of work shall bear IS Certification marks. In case any such article is not available with the IS Certification mark and item conforming to relevant specifications is proposed to be incorporated in the works, sample of the same shall be got approved in writing from the Engineer-in-Charge before their incorporation in the works.

The contractor shall submit sufficient evidence to Engineer-in-Charge to show that such articles conform to the relevant specifications.

iii) In case no make is mentioned in the description of items of BOQ, make shall be got Approved from Engineer-in-Charge on production of samples by the Contractor.

7. **Excavation and Earth Work**

i) Excavation and earth work shall be carried out all as per description of items in BOQ.

ii) Excavation & earth work shall be in any type of soil and the contractor is deemed to survey the nature of soil before tendering & quote his rate accordingly. No claim whatsoever on this account shall be entertained. Tenderer shall ascertain himself the level of sub-soil water at site of work to allow in his Tender for any bailing or pumping out water etc, required as per site conditions. In the event of deviation, no adjustment shall be made for cost of bailing, pumping & de-watering arising out. Similarly, no adjustment will be made if no sub-soil water is met with at site.

8. **Water Proofing Treatment & Anti Termite Treatment:**

Integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces, slurry coat of neat cement using 2.75 kg/sqm, Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115 mm size with 50% of cement mortar 1:5, Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4, protection layer of cement screed of (1:2:4), Cement concrete 1:2:4, unplasticized Rigid PVC rain water pipes Single socketed pipes, 110 mm diameter, unplasticized -PVC pipe clips, 110 mm, inlet mouth of rainwater pipe cast iron grating 15 cm diameter and weighing not less than 440 grams

Anti termite treatment along external wall where the apron is not provided using chemical emulsion @ 7.5 litres / sqm of the vertical surface of the substructure to a depth of 300mm including excavation channel along the wall & rodding etc. complete. With Chlorpyrifos/Lindane E.C. 20% with 1% concentration. Diluting and injecting chemical emulsion for Post Constructional anti-termite treatment external walls, where along external wall where the apron is not provided, Treatment of soil under existing floors. Treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1:2 (1 cement: 2 coarse sand) to match the existing floor.

The CONTRACTOR shall ensure provision of anti-termite and water proofing treatment for foundations / basement / sunken portion / roof work and other specialized works such as Under ground structure as detailed in BOQ through specialized agencies as approved by the CCE(R&D) Estates North. These works shall carry a warranty of 05 (Five) years from completion of Contract and issue of completion certificate in this regard. Final payment against anti-termite and water proofing work shall be released on production of Bank Guarantee Bond / FDR for equal value of final payment due against these works valid for a period of 05 (Five) years from issue of completion certificate. Alternatively, agency may choose to submit Standing Bank Guarantee Bond / FDR as per Para 10.16 of Article 10 of GCC 2023.

Any defect noticed during this period shall be rectified within 30 days of written intimation by the OWNER failing which the rectification shall be carried out by the OWNER out of Bank Guarantee / FDR amount. The Bank Guarantee Bonds / FDR shall be released on expiry of warranty period and satisfactory completion of rectification of defects and on issuance of "Final Acceptance Certificate" for these items by the OWNER.

9. **Procurement of Cement**

The cement to be incorporated in the works shall be OPC or PPC as per site condition and as approved by Engineer-in-Charge. OPC is not allowed in coastal area. Mixing of PPC / PSC / OPC shall not be allowed. However, different buildings can have different types of cement with the approval of the Engineer-in-Charge. The cement should be used within 4-6 weeks from its date of manufacture and be procured from the main producers.

10. **Testing of Cement**

i. The manufacturer is to carry out inspections and testing of cement in accordance with the relevant BIS provisions. The contractor shall submit the manufacturers test certificate in original along with the test

sheet giving the result of each physical test as applicable & chemical composition of the cement and authenticated copy thereof, duly signed by the manufacturer with each consignment. The test results must conform to the provisions of relevant IS. The Engineer-in-Charge shall maintain records for these details.

ii. The Engineer-in-Charge shall also organize independent physical & chemical test of random sample of cement from approved Lab / Govt. Engineering College / Govt. Lab & as approved by CCE.

iii. Expenditure involved in collection, packing, carrying & testing of sample shall be borne by the contractor.

11. Concrete

Coarse Aggregate

Coarse aggregate for all concrete shall be graded crushed as per IS: 383, hard granite, trap or basalt stone as Approved by Engineer-in-Charge. No hand broken stone aggregate shall be permitted for use in the work.

Fine Aggregate

Fine aggregate for all concrete / other works shall be naturally occurring river sand.

Nominal Mix Concrete

Nominal mix concrete shall be proportioned as per Table-9 of IS: 456.

Compaction of Concrete

All reinforced cement concrete shall be compacted by mechanical vibrators. Compaction by tampering may be resorted to with the prior permission of Engineer-in-Charge in writing in location where it is not practicable in the opinion of the Engineer-in-Charge to operate the vibrator or where quantity of concrete is small. Care shall be taken to ensure that concrete is not over vibrated so as to cause segregation.

12. Batching & Mixing

Concrete for all PCC and RCC design mix and nominal mix shall be mixed in automatic weight batching plant. The batching plant shall have digital display weighing gauge. Where requirement of concrete is less than one cum in a day, the same can be mixed using normal weigh batcher and hopper type mixer.

13. Placing of Concrete

Concrete shall be transferred immediately after mixing without delay & incorporated in works at the position of laying within 20 minutes from the time of discharge from the mixer & accordingly shall be compacted & finished.

14. Sampling Concrete

Shall be carried out for concrete of all design mixes and nominal mixes except in cases where the total quantity of concrete work in the contract as a whole is less than 5 cum in a day, by drawing sample test of the frequency given here in after (Each sample comprising of 3 test specimens for the particular strength).

Concrete in the work, cum/day's work	No of samples
01 – 05	1
06 – 15	2
16 – 30	3
31 – 50	4
51 & above	4 (plus one sample for addl. 50 cum or part thereof).

The testing charges of all concrete cubes including the cost of materials & cost of transportations shall be borne by the contractor. Casting Process for roof / beam or any important horizontal member should be completed in one go and should not be carried forward to the next day because of any untoward circumstances. Thus, adequate manpower and material be planned / procured / positioned at the site to ensure the same. Under no circumstances, part casting would be accepted.

15. **Form work**
Vertical supports of form work shall be of MS pipe adjustable props only. Horizontal form work shall be of steel plates / waterproof ply as approved by the Engineer-in-Charge. The form work shall be rigid and constructed as to retain the shape and dimensions of the work being casted. It shall have sufficient strength and rigidity to withstand the load of concrete, vibrators, movement of men, materials, plants and any other incidental loads without deflection. Shuttering oil shall only be applied, and no waste engine oil shall be applied to the form work. While concreting is in progress, a constant watch shall be kept on the props etc, and immediate remedial measures taken as soon as any of these gets loosened.
16. **Striking off Form Work**
The minimum period before striking off from work shall be considered as per IS 456 while using OPC. While using PPC/ PSC the minimum period of striking off of shuttering shall be increased suitably as approved by the Engineer-in-Charge. Contractor shall note that no extra cost whatsoever for such increased time of striking off from work shall be admissible
17. **Reinforcement Steel**
For reinforcement of concrete the TMT steel bars of required strength as per design and drawing shall be used and procured directly from primary producers of TMT bar, viz. SAIL, TISCO(TATA), JSW TMT and RINL.
In case any reinforcement bars of specific diameter is not available with the main producer and the main producer is interested to supply that diameter of reinforcement through their conversion agent, same may be accepted with condition that the original order is placed by the contractor to the main producer & the original purchase voucher and test certificate are issued by the main producer. For every lot of steel, the particulars of the manufacturer / supplier shall be submitted by the contractor to the Engineer-in-Charge prior to physical procurement for every lot separately. Reinforcement should be stacked above ground and covered on the top for protection against rainwater. Loose rust should be cleaned with wire brush before laying reinforcement and concreting.
Testing of Reinforcement Steel: The contractor shall submit the manufacturers test certificate & purchase voucher in original along with the test sheet giving the result of each mechanical, chemical & metallurgical composition of the steel duly signed by the manufacturer with each consignment. However, nominal mass test, tensile test, bend & re-bend test shall be carried out at the discretion of the Engineer-in-Charge. The cost for the tests will be borne by the contractor. Test shall be carried out from any Govt. Laboratory or any NABL approved laboratory as directed by the Engineer-in-Charge.
18. **Curing:** The minimum period before striking off form work while using PPC shall be increased as directed by the Engineer-in-Charge without extra cost to the Department.
19. **Site Clearance:** The contractor shall remove all unused stores and materials also tools, plants, equipment, scaffolding, temporary building, and the like belonging to the contractor away from the site area on or before the date of completion. Nothing extra whatsoever shall be paid to the contractor for such clearance of Site. If the contractor is not able to clear the site at his own expenses, the engineer-in-charge shall make proposal for removal of contractor's waste for deduction from the contractor bill.
20. **Contractors Representative at Site:-** Details of Contractor's Engineer at site shall be duly approved by Estate Manager, EMU(R&D) or CCE (R&D) Estates, North Chandigarh before commencement of the work. Copy of certificate of engineering degree or diploma shall also be furnished along with experience certificate. In addition to the above, the contractor shall himself supervise the execution of the work and other conditions as laid down in General Conditions of Contract shall also be adhered to.
21. **Inspection and Approval:-**
(a) All works embracing more than one process shall be subject to examination and approval at each stage thereof or one stage as per instruction of Engineer-in-Charge. The Contractor shall give due notice to the Engineer-in-Charge or his authorized representative when each stage is ready. In default of such notice, the Engineer-in-Charge shall be entitled to appraise the quality by such measures as considered appropriate at the cost of the Contractor.

(b) No work shall be covered up or put out of view without the approval of the Engineer-in-Charge or his authorized representative and the Contractor shall afford full opportunity and facility for examination and measurement of any work which is about to be covered up or put out of view, this applies to examination of foundation also before permanent work is placed thereon. The Contractor shall give due notice in writing to the Engineer-in-Charge or his authorized representative whenever any such work or stage of work including foundation work is ready for examination prior to start of concreting or covering up of the foundation and the Engineer-in-Charge or his representative shall without reasonably delay, unless he considers it necessary and advises the Contractor in writing accordingly, attend for the purpose of examining and measuring such work or of examining such foundations. In the event of the failure of the Contractor to give such notice in writing, he shall if required by the Engineer-in-Charge, uncover and dismantle such work at the Contractor's expense.

(c) The Engineer-in-Charge or his representative and the Consultant of the Project shall have powers at any time to inspect and examine any part of the work and the Contractor shall give such facilities as may be required for such inspection and examination.

22. Sewage Disposal:

Excavating trenches by mechanical / manual means of required width for pipes, cables, cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size), stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand), 150 mm dia. R.C.C. pipe, cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone- III) : 8 graded stone aggregate 40 mm nominal size),inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand), soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 m long, Septic tank in R.C.C. including excavation in all kind of soil, P.C.C. in 1:4:8 / 1:2:4 R.C.C. - M25 work in foundation walls and slabs, FE-415 TMT Reinforcement, PVC incapsulated orange colour foot rest, R.C.C. Precast manhole cover.

23. Cable Trench:

(Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan), excavated earth (excluding rock) in trenches, sand under floors, cement concrete 1:4:8 (1 cement : 4 coarse sand (zone-III), 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size, cement concrete work in string courses, bands, copings, bed plates, anchor blocks, plain window, 12 mm cement plaster 1:3 (1 cement: 3 fine sand).

24. Boundary Wall:

Brick work manually/ by mechanical means including stacking of serviceable material and disposal, uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m, Ordinary rock , 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size, 1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources : 8 graded stone aggregate 40 mm nominal, Lintels, beams, plinth beams, girders, bressummers and cantilever , Columns, Pillars, Piers, Abutments, Posts and Struts. R.C.C. work including straightening, cutting, bending, placing I, Concrete of M25 grade with minimum cement content of 330 kg /cum, Cement mortar 1:6 (1 cement: 6 coarse sand), 6mm cement plaster with cement mortar 1:3 (1 cement: 3 fine sand), 12 mm cement plaster of mix :1:6 (1 cement: 6 fine sand).

25. Other special services:

Mobile lockers/Key chain locker/Baggage locker Number of lockers 18-20 shelves 5. Type of lock Pad lock Dimension 1500 x 500 x 900-millimetre stainless steel, new Aqua guard Pure Chill RO Storage Cooler cum Purifier with its one-of-a-kind purification technology (RO), with cooling and storage solution.

26. Deployment of Manpower at Site

The contractor shall deploy the sufficient technical and non-technical manpower for smooth progress of work. For this work the following minimum manpower has been projected to deploy at site:

REQUIREMENT OF TECHNICAL REPRESENTATIVE(S) AND RECOVERY RATE

Sl. No.	Minimum Qualification of Technical representative	Discipline	Designation (Principal Technical representative)	Minimum experience	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of this clause.	
						Figures	Words
1	Graduate Engineer/ Diploma Engineer	Civil / Electrical	Project / Site Engineer	3 years for Degree & 5 years for Diploma	1	Rs. 40,000/- per month per person	Rs. Forty Thousand per month per person

Note:

- (a) Assistant Engineer retire from Government Services that are holding Diploma will be treated as per with Graduate Engineer.
- (b) Diploma holder with minimum 5 years relevant experience with a reputed construction co. can be treated at par with Graduate Engineers for the purpose of such deployment subject to the condition that such diploma holders should not exceed 50% of requirement of degree engineers.
- (c) The non-technical manpower for the supervision of non-technical works could be deployed by contractor as per scope of works requirement.
- (d) Non-deployment of technical manpower as per above shall attract the recovery of amount per month as stated above.
- (e) The period of deployment of Civil / Electrical Engineer will be as per site requirement. Electrical Engineer will be employed only during the execution of Electrical works. Firm will inform the Project Manager / CCE(R&D) Estates, North, Chandigarh and obtain confirmation for deployment of Civil / Electrical Engineer. No manpower shall be deployed at site without prior permission of the Project Manager / CCE(R&D) Estates, North, Chandigarh.

TERMS AND CONDITIONS

1. Quality Control Measures: (GCC Article 10.1)

- (a) Quality Assurance plan will be monitored by the PMC as submitted by the Executing Agency duly approved by PM / Engineer in Charge as per Para No. 10.1 of GCC (Quality of Work).
- (b) Supervision of work at site shall be quality control oriented and at no stage compromise in quality is acceptable.
- (c) To conduct field and laboratory test of materials being incorporated in the projects and maintain records of all quality related tests in consultation with Engineer-in-Charge / CCE (R&D) Estates, North and Contractor.
- (d) To carryout sample test at site lab and other lab for approval of sample of various construction materials before incorporation in work.
- (e) Conduct hydraulic testing /commissioning of underground CI/DI pipelines various equipment's at site and to keep such records in files. Cost of conducting various tests shall be paid by the contractor of the main project/ sub - projects.
- (f) Transportation of materials from site to the testing lab shall be borne by the contractor. Labour for handling of testing material/equipment's (loading and unloading) shall be provided by the contractor and unloading at lab site shall be in the presence of consultant.

2. Language:

Tender documents including Tender drawings, if any and other information shall be prepared and submitted in English language only.

3. Bar Chart / Pert Network

In order to achieve the completion in time, the CONTRACTOR shall submit Bar Chart/ PERT Network to the CCE (R&D) Estates, North, Chandigarh within 10 (Ten) days from the effective date of agreement. The Bar Chart/ PERT Network shall include all the activities including mobilization, site clearance, procurement of major construction materials like steel and cement, excavations, foundation work, sanitary Electrical and Mechanical water supply work, etc. The list of activities for which the Bar Chart/ PERT Network shall be worked out, their commencement, duration and completion shall be approved by the CCE (R&D) Estates, North, Chandigarh and the copy of the same shall be forwarded to the office of CCE (R&D) Estates, North Chandigarh.

4. Completion Time

The work is required to be completed within a period as specified in the NIT/ **Tender Clause No. 22** from the date of issue of letter of acceptance and the contractor shall not be allowed any extension of completion time except in the following cases: -

a) **Force Majeure.**

The extension of completion time shall be as per respective clauses of GCC as mentioned in **Article 4.**

OR

Major changes or substantial addition to the work ordered by the CCE (R&D) Estates, North, Chandigarh adversely affecting the completion time.

In case of conditions from **Clause No. 22** of NIT above: - Extension of time shall be as per decision of the CCE (R&D) Estates, North Chandigarh.

5. Tender Documents

Refer Table A of Appendix 'A'

6. **Safety / Precautionary measures against accidents & payment of compensation**
 - (i) The contractor shall adopt adequate safety measures by providing safety belts, gloves, helmets, mask etc. as necessary for their safety. In this connection Article 33 & 34 (inclusive of all sub-para) of General Condition of Contract GCC-2023 as attached are to be strictly followed.
 - (ii) Security: - The contractor will follow all security rules / regulation prevalent in the area as per the order issued from time to time and engages the personal with proper PVRs.
7. **Mobilization Advance**

Mobilization Advance as per General Conditions of Contracts clause No. 6.4 as amended shall be applicable.
8. **Secured Advance:** As per clause 6.7 to 6.10 of GCC.
9. **Retention Money:** As per clause 6.11 of GCC.
10. **Performance Bank Guarantee (PBG) :** As per clause 6.12 of GCC.
11. **Taxes and Duties:** As per Article 7 of GCC 2023.
12. **General Conditions to Contract**

The General Conditions of Contract as per RDCE Works Procedure conditions, as amended would apply to this tender. A certificate of Acceptance as per format in **Appendix - 'H'** is required to be attached with the Cover-I. In case this certificate is not attached the bid will be rejected.
13. **Payment Terms and Conditions**

(refer Article 6 of GCC 2023)
14. **Security of Classified Documents**

Contractor's special attention is drawn to condition 44 of General Conditions of Contracts and also the Indian Secret Act-1923 (Particularly Section 5). The Contractor is bound by the provisions of the Act. The contractor shall not communicate any classified information regarding works either to sub-contractor(s) or others without prior approval of Engineer-in-Charge / Project Manager. The contractor shall also not make copies of the design/drawings and other documents furnished to him in respect of the works and shall return all the documents on completion of the work or on earlier termination of the contract. The contractor shall along with the final bill attach a receipt from Engineer-in-Charge / Project Manager in respect of having returned **the classified documents as per Condition 44 of General Conditions of Contract.**
15. **Notices to Contractor**

All notices to be given to the contractor under the contract shall be in writing, typed script or printed and shall be sent by registered post to the address given herein or the last known address and shall be deemed to have been served on the date when in the ordinary course of post it would have been delivered to him.
16. **Accidents**
 - (i) The Contractor shall be solely liable for any accident or injury to any of the personnel engaged by him or by his sub-contractors in connection with the Contract work. The Owner shall not be liable for any damage or compensations payable by law in respect of or in consequence of any accident or injury to any personnel in the employment of the Contractor or his sub-Contractor and the Contractor shall indemnify and hold harmless the Owner against all such claims, damages, compensations and proceedings.
 - (ii) The Contractor or his sub-Contractor shall forthwith report to the Owner all cases of accidents to any of their personnel /workmen and shall make every arrangement to render all possible assistance and aid to the victim of the accident. The Contractor shall obtain a group insurance for his employee so that any accident will be covered under the said insurance.

17. **Damage of Equipment**

Any damage to the existing structure and fixtures during the execution of work and damage to equipment due to negligence, lack of proper maintenance and misuse shall be made good by the contractor at his own cost to the entire satisfaction of the Engineer-in-Charge.

18. **Undesirable Activities** : The contractor will not allow or permit the employees to participate in any Trade Union Activities or agitation in the Site of work. It must be ensured that none of the workers are in intoxicated condition while on duty. If any individuals employed are found to be in intoxicated state, they will be marked absent, and their service will be terminated forthwith.

19. (a) **Labour Licence**

(i) In addition, the successful contractor shall have to obtain labour license as applicable from respective labour commissioner.

(ii) The tenderer shall ensure that at no time any security point is unmanned. A register shall be maintained at main gate where around the clock duty is performed, For the purpose of taking/ handing over of the duty by the security personnel. Register will be maintained by the tenderer at the main gate to enter incoming and outgoing vehicles. Apart from this the tenderer may have to maintain any such register as required from time to time. The tenderer will have to abide by any other regulatory system as will be found necessary by the institute. Performance of duty in two shifts by the guard on a day shall not be permitted. However, in an emergency case exception can be made with the prior approval of the Institute's Authority to the extent of one person in any one of the ships but the payment to such a person for the extra shift shall be restricted as per labour laws.

20. **Water & Electricity**

Water : Water will not be supplied by the department. The contractor shall make his own arrangement for procurement and storage of water required for construction and workmen etc., at his own cost.

In case, water is supplied by the department at points as decided by Engineer-in-charge. The contractor shall make his own arrangement for the conveyance and storage of water required for the work, labour / Workmen etc. at his own cost and **recovery @ 1% will be made from the payment to the contractor**. In the event of breakdown of supply of water or in the event of the said supply by local authority's water becoming intermittent, the contractor shall not be allowed any compensation, whatsoever, on this account. The CCE/EMU's do not guarantee the continuity of water supply and no compensation shall be allowed for intermittent or inadequate water supply and break down in the system.

Electricity: Contractor shall have to make his own arrangement for the supply and distribution of electricity for work, workmen etc. at his own cost.

In case, electricity is supplied by the department for works, the electric supply will be made available by the department at the point(s) and **recovery @ 1% of work done** will be made from the payment to be made to the contractor. The contractor shall provide all necessary connections, cables, fittings etc. from the main switch in order to ensure proper and suitable supply of electricity for the execution of work.

The contractor shall obtain the prior written permission of the Engineer-in-Charge concerned for availing the power. All contractor's installation shall conform to and be strictly in accordance with Indian Electricity Act and Rules. Moreover, the layout of cable etc., as proposed by him shall be as per plan approved by the Engineer-in-Charge. The Department will not guarantee for continuity of the supply and no compensation shall be allowed if the supply becomes intermittent or for break down or any reason whatsoever.

21. **Deviation Limit**: As per RDCE WP - 2024 Chapter – 8 of Deviation Limit.

22. **Maintenance Guarantee / Defect Liability Period:** Maintenance Guarantee period shall be **Twenty-Four (24) months** from the actual date of completion recorded. The contractor shall have to maintain such works during this period to the entire satisfaction of the CCE(R&D) Estates, North, Chandigarh without any extra cost to the Govt.
23. **Working Hours:** The contractor has to observe working hours as per the rules laid down by the authority controlling the area. To work on closed days/holiday, the contractor shall obtain necessary permission in writing. The contractors are supposed to have taken into account the above working conditions in their quoted prices.
24. **Liquidated Damages for Delay:** If the CONTRACTOR fails to complete the Work and clear the Site on or before the scheduled or extended date of completion as per GCC Article 4 and 24. he shall, without prejudice to any other right or remedy of the OWNER, arising out of the Contract on account of such delay, be liable for payment of Liquidated Damages (LD) **as per GCC Article 23.**
25. **Running Bills**
- (i) The contractor shall submit his pre-receipted contractor's bill on Pro-rata basis on actual work done in triplicate alongwith Measurement Book issued by CEA to the concerned Engineer-in-Charge who will certify satisfactory progress of the work and arrange payment. All copies be endorsed "payment received in full" and signed by the contractor.
 - (ii) Income Tax as applicable from time to time shall be progressively deducted from the CONTRACTOR's bills by the Department for depositing with the Income Tax Authorities. Surcharge on Income Tax as applicable shall also be deducted.
 - (iii) All statutory payments/levies as applicable shall be deemed to be included in the quoted percentage in respect of GST & Labour Cess as applicable.
26. **PAYMENT ON ACCOUNT/PROGRESSIVE INTERIM PAYMENTS**
- (a) The progressive payment shall be released after certification by PM/Engineer-In-Charge that works have been performed in accordance with the Technical Specifications including Quality Assurance Plan (QAP) and authorisation for the payment. However, the release of first progressive interim payment shall also be subject to submission of documentary evidence by the CONTRACTOR towards having taken the insurance policy(ies) in terms of relevant provisions of SCC for CONTRACTOR's liability and insurance and acceptance of the same by PM/Engineer-in-Charge.
 - (b) The progressive payments further to first Running Account Receipt (RAR) Bill shall be released after certification of PM/Engineer-in-Charge that the CONTRACTOR has complied with requirements of the Contract for bringing Tools & Plants (T&P) at the site, establishment of the site office, lab testing facilities etc. as specified in the Contract. If the CONTRACTOR defaults in fulfilling the above requirements, the OWNER or his authorized representative shall have the authority to withhold an amount equal to following percentage of the claimed amount by the CONTRACTOR in the submitted RAR Bills: - Second RAR bill - 10 % (Ten percent) of the bill amount Third RAR bill - 20 % (Twenty percent) of the bill amount Fourth RAR bill - 30 % (Thirty percent) of the bill amount Further beyond the Fourth RAR Bill, no payment shall be made to the CONTRACTOR by the OWNER unless the CONTRACTOR has complied with above said requirements.
 - (c) All interim/progressive/running payments shall be regarded as payment by way of advance against final payment only and not as payment for the work completed till the date of final payment. The running payment made shall not preclude the liability of the CONTRACTOR to finally complete the Work strictly in accordance with the specifications and drawings, if required by reconstructing faulty works.
 - (d) All invoices for running payments as well as for final payments shall be submitted in prescribed forms duly recommended by the PM/Engineer-in-Charge and supported by detailed measurement of items of work in accordance with GCC Article 17.

- (e) Adjustment of final Contract sum shall be made in the last 3 (three) consecutive running bill payment based on the final quantities against various items of work. Adjustment shall also be made in the Contract sum due to variation in executed work, if any, as per requirement of the OWNER in those 3 (three) last running bill payments.

27. **FINAL PAYMENT:** The final bill shall be submitted by the CONTRACTOR within 3 (Three) months from the date of completion of the Work accompanied by:

- (a) Completion certificate issued by the CCE.
- (b) No claim Certificate by the CONTRACTOR.
- (c) Consumption Statement of steel and cement certified by the PM/Engineer-In-Charge.
- (d) Consumption Statement for all other imperishable materials like bricks, electrical and sanitary fittings etc. for which advance has been given by the CCE as mentioned above in GCC Article 6.7 to 6.10.
- (e) Original guarantee furnished by CONTRACTOR's Suppliers for applicable items and in favour of the CCE.
- (f) Bank guarantee for DLP by the CONTRACTOR.
- (g) Test Certificate for items and materials.
- (h) Completion Drawing/Sketches of completed work as mentioned in SCC/Technical Specifications.

Note: The final bill shall be submitted by the CONTRACTOR along with all documents with completeness in the specified manner and format within three months of physical completion of the work or within one month of the date of the final certificate of completion furnished by the CCE whichever is earlier. No further claims shall be made by the CONTRACTOR after submission of the final bill and these shall be deemed to have been waived, extinguished and non-arbitrable.

SPECIAL CONDITIONS OF CONTRACT (SCC)

(A) FIRE FIGHTING (E/M)

1. SCOPE OF WORK

- (a) The scope of work of fire protection works for the Building consists of the following, but is not limited to the same:
- (i) Hydrant System (for Multi Storey Blocks only) consisting of Internal Hydrant Risers, Hydrant Stations with all accessories such as Hydrants, Hoses, First Aid Hose Reel, Branch Pipe etc.
 - (ii) Supply of Fire Extinguishers.
 - (iii) Addressable Fire Alarm System.
- (b) Obtain statutory approval from concerned Fire Authorities for the Systems installed as well as for the overall Building. This shall be without any cost to the Owners.

2. HYDRANT SYSTEM AND HOSE REEL SYSTEM:-

After erection at site the complete system shall be subjected to tests to show satisfactory performance in line with the requirements of specification and as per instruction of Project Manager / Engineer-in-Charge. The following tests shall be under taken in particular.

- (a) Automatic starting of all fire pumps by operating the test valves.
- (b) Operation of yard hydrant / internal hydrants and testing of sequential starting of all the fire pumps.
- (c) Testing of the complete system / equipment.
- (d) Conforming IS 3844:1989 (Internal), IS 13039:2014 (External), and IS 909:1992 (Underground)

3. MANUALS OF EQUIPMENTS:-

Three copies of manuals shall be submitted duly indexed with complete technical data sheet of each piece of equipment installed. The manuals shall be well bound and shall contain the following :

- (a) Table of Contents.
- (b) Design data / standards.
- (c) 'As built' drawings.
- (d) Manufacturers catalogues, installation and maintenance brochure.
- (e) Spare parts list.
- (f) Inspection report.

4. GENERAL REQUIREMENT:-

(a) The Contractor shall employ the services of the designated Fire Alarm Specialist Supplier for the design, supply and commissioning of the fire alarm system. It shall consist of fire alarm sounders, break-glass units, heat and smoke detectors and control units and MCP and RI and armoured fibre optical cable.

(b) The fire alarm system shall be wired as 2 core 1.5 Sqmm signal loops. Alarm sounders may be either wired from the control unit, or in the case of loop powered sounders or interface units, connected via the signal loop. In the latter case, fire rated cable shall be used for signal cable and shall fully comply with the requirements of BS 5839 Part 1.

(c) The system shall incorporate a PA. System at the main control panel with selectors switch and Hooter/Speaker.123

(d) The fire alarm system shall conform to BS 5139 in respect of design and installation and shall give audio/Visual Alarm signals when the temperature in case of Heat Detector or smoke density in case of ionization detector exceeds the pre-set limits. The system shall give zone wise location of fire with warning system zone wise, two ton for alert and voice communication for commands and instruction if required.

(e) The system shall be able to operate on 220 Volts AC \pm 10% or 24 Volts DC. The design shall be modular so that additional zones can be added if required in near future. It shall have inbuilt power break and sequence logic hardware.

(f) The system shall be fully supervised for all fault conditions with distinctive alarm operated for fault and fire conditions. All audible alarms either for fire or fault conditions shall have push button/cancellation arrangements with reset feature, to ensure that no alarm is inadvertently switched off. The fire or fault lamp

shall however continue to glow until the fault condition has been corrected or the fire extinguished. Test push buttons on Main Control Panel shall be provided to test the electronic circuits in each zone.

(g) **For Fire Fighting**

- (i) Hydrostatic pressure testing of pipe network with minimum pressure of 16 Bar or 200 psi.
- (ii) The pressure must be maintained for at least 2 hours.

5. **MANUFACTURERS CODES AND STANDARD: -**

The System shall meet the following design Standards as required by the law of the country. If no specific local laws are available National Fire Protection Association (NFPA) - USA shall be followed.

National Fire Alarm Code , No 268 Smoke Detectors for Fire Protective Signalling Systems , No. 864 Control unit For Fire Protective Signalling Systems , No. 268A Smoke Detectors for Duct Applications , No. 521 Heat Detectors for Fire Protective Signalling Systems No. 464 Audible Signalling Appliances , No. 38 Manually Actuated Signalling Boxes , No. 346 Water flow Indicators for Fire Protective Signalling Systems , No. 1971 Visual Notification Appliances BS 5839 & Local Fire Code.

6. **APPOINTMENT OF SPECIALIST VENDOR FOR FIRE PROTECTION WORKS: -**

- (a) The Contractor shall appoint the Specialist Vendor for Fire Protection Works on the basis of the following criteria:
- (b) The Fire Fighting Vendor should have executed Hydrant System works whose value should exceed the amount quoted by the Contractor for this project.
- (c) Contractor will quote as per specialist Vendor and ensure that the tender is submitted in proper manner.

7. **CO-ORDINATION WITH OTHER SERVICES: -**

The Contractor and his specialist agency shall be required to co-ordinate his activities with all other services such as Electrical, water and Civil.

8. **DATA: -**

The Contractor shall furnish all details and relevant data required for design and detailed engineering of all such civil work.

9. **DRAWINGS AND TECHNICAL DOCUMENTS: -**

- (a) The Contractor shall provide to the Project Manager three sets laminated and two sets records:
- (b) Approved final/As built Drawings including, but not limited to fabrication, structural general arrangement/layout, erection /installation drawing, wiring circuits/diagrams etc.
- (c) Maintenance and repair manuals of all equipment's incorporated in the system.
- (d) Illustrated spare part list along with sources of supply.
- (e) Operation manuals / working instructions.
- (f) Test Schedules, Test reports as per relevant IS code for equipment's.
- (g) Detailed Technical Specifications / Data of various equipment's / assembled parts actually supplied.

10. **SYSTEM TESTING: -**

The Contractor shall arrange interim / stage inspection during execution of the works as and when so called for and shall carry out any rectification/modification as may be required by the Project Manager / Engineer-in-Charge. Soon after the work is completed, the Contractor shall inform in writing to the Project Manager / Engineer-in-Charge for getting the complete system including all sub-systems and instrumentation control panels etc. thoroughly inspected and tested for satisfactory performance. After satisfactory completion of tests of the Systems, the Contractor shall be required to carry out all start up trials of the Systems provided by him. Any defects noticed during these tests shall be speedily rectified by the Contractor.

Note: The size and capacity of various equipment's selected are tentative and contractor will redesign/check before placing order to vendors to ensure that model /capacity selected by him gives net output of water quantity and pressure level as asked or in the schedule.

11. **COMMISSIONING OF THE SYSTEMS:-**
a) After completion of the start-up trials the contractor will inform to Project Manager / Engineer-in-Charge of the commissioning of the Systems. All the equipments/items in the system shall be operated to establish proper sequencing /synchronization and coordinated working of the equipments/ items. Any defect noticed during this period shall be promptly rectified by the Contractor.
b) **Approval of Local Fire Inspector / Fire Advisor:** - All fire protection and safety systems will be got approved from Local Fire Inspector / Fire Advisor.
12. **DEPUTING OF PERSONNEL AT SITE:-**
The Contractor shall depute one qualified Engineer of this trade to site as his Project Engineer for Fire Protection Works during the currency of the Contract for handling the erection, testing and commissioning of his Systems on full time basis. He shall be present in all site meetings for appraisal of progress and site instructions till work is completed and commissioned.
13. **PERFORMANCE CERTIFICATES OF VENDOR EQUIPMENTS:-**
The Contractor shall be required to submit the Performance certificate from the manufacturer of the equipment's procured by him. Individual item or batch certificates shall be provided as applicable.
14. **TRAINING OF STAFF:-**
The Contractor/Specialized Sub Contractors, shall undertake to train free of cost at least two personnel named by the Project Manager / Engineer-in-Charge for user establishment before taking over of the Systems.
15. **SAMPLES:-**
The Contractor shall be required to produce samples of the following items for approval, which shall be carefully maintained at site after approval. The Contractor shall use only those items whose samples have been approved. Pipes and fittings, Hydrant, Swinging type Hose Reel, RRL Hose, Gun Metal Gate Valve, Pipe supports and clamps. All types of Fire Extinguishers, cast Iron Valves, Pressure Gauge, Pressure Switch, Gaskets, Nuts, Bolts, Response Indicators, Manual Call Box, Hooter cum Speaker, Conduit, Cable etc.
16. **HOSE BOXES:-**
(a) Hose Boxes shall be made of 18 gauge MS sheet 800 mm x 600 mm x 250 mm size with double door with glasses, lock, 2 keys and a break glass, recess for keys, painted in fire red. The door frames shall be of 16 gauge MS sheet. The hose box shall be painted fire red outside and brilliant white inside.
(b) Fire Brigade inlet for the risers shall have two instantaneous pattern of 63 mm dia valve, complete with non-return valve, manifold etc , mounted in a suitable MS enclosure with glass fronted lockable doors.
(c) All the hydrant components i.e. hydrant valve, hoses with coupling, branch pipe, hose reels shall have IS marking.
17. **FIRE ALARM CONTROL PANEL:-**
(a) Panel Compliance The fire alarm control panel shall be compliant with BS EN 54 Part 2 (Control and Indication) and Part 4 (Power Supply). Confirming to IS 2189:2008.
(b) Portable Fire Extinguishers: IS 2190:2010 (Selection, Installation, and Maintenance)

18. DETECTION DEVICES

(a) GENERAL

- (i) Detectors shall comply with and be type certified to EN 54 Part 7 for smoke detectors and Part 5 for heat detectors.
- (ii) Detectors shall have five response modes which cover a range of sensitivities and response times. The mode for each individual detector shall be set via the fire alarm control panel. The response mode of any detector may be changed from the control panel at any time.
- (iii) If, within one second of last being polled by the fire alarm control panel a detector reaches its own predetermined fire threshold the detector will place an alarm flag and its own address on the data stream to facilitate location by the fire alarm control panel.
- (iv) Each detector shall have its own mounting base which, with the exception of isolating bases, will not contain any electronic components. Detectors will be capable of being locked into the mounting bases to avoid unauthorised removal of the detector.
- (v) The loop address of detectors shall be set by inserting a coded plastic card into each mounting base, allowing up to a maximum of 126 unique address codes. The address will be a simple seven bit binary code, set at the time of commissioning. The detector address card will be held in the base so that it cannot be accidentally removed with the detector. Each address card will provide a space visible from below when the detector is in place. The loop number and individual address or any other information specified by the client will be marked in the identifier provided.
- (vi) Two alarm LEDs shall be provided on each detector. The LEDs will be controlled by the fire alarm control panel independently of the device. LEDs shall be capable of being reset by the fire alarm control panel without removing power from the loop.
- (vii) Detectors shall be capable of being remotely tested from the control panel by transmission of a single bit in the communication protocol. Detectors will respond by providing an analogue value in excess of the recommended fire threshold to indicate a healthy condition. The control panel shall recognise this response as a test signal and will not raise a general alarm. 27.6.1.8 Detector housings shall be moulded in pure white self-extinguishing polycarbonate, V-O rated to UL94. Detectors will be unobtrusive when installed.
- (viii) Prior to commissioning, the Contractor shall provide a certificate of installation and cable test certificates of the system to the EIC.
- (ix) Fire Pumps: IS 12469:1988
- (x) Selection, installation, and maintenance of automatic fire detection and alarm systems as per IS 2189 (2008).
- (xi) Specification for smoke detectors for use in automatic electrical fire alarm systems as per IS 11360:1985.
- (xii) Specification for heat-sensitive fire detectors as per IS 2175:1988.
- (xiii) Guidelines for control and indicating equipment as per IS 15908:2011.

19. FIRE DESIGNATION DRAWING: -

- (a) The Fire Alarm Specialist Supplier shall supply and install a fire zone chart showing plans of the building with all fire alarm control and indicating equipment clearly indicated. Each fire compartment/zone shall be easily identified by means of clearly marked colour codes.
- (b) The fire zone chart shall be as a minimum sized A3, coloured and suitably framed to be handed over on completion of the works.
- (c) The Contractor shall include for the specialist fire alarm supplier to carry out on behalf of the Project Manager / Engineer-in-Charge the first three quarterly (3 monthly) inspections and tests as called for in clause 29.2.4 of BS 5839 after the date of handover and completion of the contract and also the annual inspection test on behalf of the Project Manager / Engineer-in-Charge as defined in clause 29.2.5 of BS 5839

20. PANEL SOUNDER CONTROL: -

- (a) The fire alarm control panel shall provide the necessary output to operate a minimum of two monitored circuits of common system sounders. Each output shall be capable of driving a sounder load of up to 1A.
- (b) The fire alarm control panel shall be capable of providing a two-stage alarm sounder facility that can be programmed, either by device, zonal or common system basis. This facility shall be provided by the use of

additional 8 way programmable alarm cards. The panel shall be capable of controlling a minimum of 31 x 8 way alarm cards. Sounder output shall be available as follows: - Alert, intermittent pulsed tone - Evacuate, continuous tone.

(c) All fire condition shall visually and audibly indicate on all panel displays immediately upon receipt of the signal but the fire alarm control panel shall also have the ability to delay all sounder and relay outputs on a day / night time basis. A sounder / relay output delay of up to 10 minutes shall be possible from all smoke and heat devices. Call points and Evacuate signals shall automatically override any delay. A user "Delay Override" shall also be provided. When the system is outside the delay-enabled time then all devices shall provide instant signalling.

(d) Panel and remote display functions and indications, printer and radio pager operations shall not be inhibited or delayed at any time.

21. **HOOTER:-**

(a) Dual tone hooter shall be of electronic type and shall give discontinuous/intermittent audible alarm automatically when ever smoke detector or heat detector operates. Hooter shall be complete with magnetic coil (sound coil) and accessories, ready for mounting (fixing). The hooter shall also have facilities for speaker announcement.

(b) Hooter shall also have the capability for adjusting the sound output Hooter casing shall be fabricated from 16 gauge MS sheet stove enamelled to smooth finish. The line matching transformer shall be provided.

22. **MANUAL PUSH BUTTON:-**

(a) Manual push button shall be break glass type units, completely encased in a cast aluminium housing with provision for cable or conduit coupling.

(b) The manual push buttons shall have words prescribed in clear bold letters on the facia window " IN CASE OF FIRE BREAK GLASS".

(c) Installation of manual push button shall be as per IS-2119. It shall be provided with a push button of 330V, 3 Amps rating and with two sets of NO and NC contacts.

(d) The Manual push button shall be mounting type and shall be provided with aluminium chain and hammer attached.

(e) The box shall be spray painted with post office red colour and stove enamelled. It shall also have two Nos of red LEDS to indicate fire signal. The chain and the hammer shall be chrome plated or powder coated while the clip holder to hold the hammer shall be anodized. All manual call boxes shall be flush type.

23. **RESPONSE INDICATOR:-**

(a) Response Indicator shall be housed in a 16-gauge aluminium casing. It shall glow clearly in case the detector to which it is connected gives an alarm signal. The word "FIRE" shall be clearly written on the visible face of the box.

(b) It shall have two numbers of red LED to compensate for fusing of either LED.

24. **POWER SUPPLY:-**

(a) The control panel shall derive 230 Volts AC power from main supply. The standby battery supply shall be of such type when charged by associated battery charging equipment

(b) Visible and audible annunciation for troubles or failure in the power supply system like "Charger failure", Battery low Voltage" etc shall be provided.

(B) ACCESS CONTROL SYSTEMS (ACS)

1. A Scope of work for an access control system details the design, supply installation, testing and commissioning of security hardware (readers, controllers, lock) and software. It includes wiring, system integration, training and maintenance to ensure secure, authorized entry to buildings or restricted areas. All systems should be UL listed.

(a) 600 LBS EM-Lock for single / double door.

(b) Hardware and installation:- Installation of card readers, magnetic lock, electric strikes, door controllers, request-to-exit sensors and power supplies.

(c) Laying fiber/copper cables (copper / fiber), installing conduits and providing network connections for control panels.

(d) Functional testing of all devices, validation software logic, door operation testing and providing 'as build' documentation.

(C) **BOOM BARRIER**

1. The scope of work for a **Boom Barrier** project generally includes the supply, installation, testing and commissioning of automatic or manual barriers. It covers civil foundation work, cable laying, integration with access control systems (RFID loop detectors, push buttons), and providing warranties or maintenance contracts for smooth 3-6 second operation for Electro Mechanical Boom Barrier with all accessories up to 6m – 01 No.
- (a) Testing and laying the foundation (RCC foundation) for the barrier housing.
 - (b) Providing the boom barrier unit (e.g., straight arm, barrier arm), including the motor, spring and housing with anti-corrosion treatment.
 - (c) Laying power cables, connecting push-button stations.
 - (d) Connecting with RFID tags, card readers, or boom barrier-dedicated software for automatic entry / exit.
 - (e) Installing safety beams (photocell), red reflective stickers / LED strips on the arm, and auto-reverse mechanisms.
 - (f) Full testing of the operation including manual operation option in case of power failure and 24-hour cycle testing.

(D) **PROGRAM AMPLIFIER / PUBLIC ADDRESS (PA) SYSTEM**

1. The scope of work for a program Amplifier / Public Address (PA) system involves the end-to-end process of supplying, installing, testing and commissioning audio equipment to ensure clear communication, emergency messaging or background music distribution.

- **Planning and Design**

- (a) **Site Survey:-** Conducting a detailed site survey to identify speaker locations, cable routes and main equipment positioning.
- (b) **System Design:-** Designing the PA system to meet specific requirements.
- (c) **Acoustic Modeling:-** Ensuring the sound pressure level is 16dB to 20dB above ambient noise for clear speech intelligibility.
- (d) **Approval:-** Submitting layout drawings, cable diagrams and technical specifications for approval before installation.

- **Supply of Equipment**

- (a) **Main Controllers / Mixers:-** Supplying digital PA controllers and Mixer Amplifiers etc. all completed.
- (b) **Amplifiers:-** Providing Power Amplifiers 150 watt) for driving speaker zone.
- (c) **Speaker:-** Supplying 6-watt Ceiling speakers, Horn speakers with appropriate mounting brackets.
- (d) **Handset:-** Providing Micro / field handset with all accessories.

- **Testing and Commissioning**

- (a) **Performance Testing:-** Performing continuity checks, signal testing and speech intelligibility tests.
- (b) **System Tuning:** - Adjusting equalizer settings, volume levels and ambient noise sensors.
- (c) **As-Built Drawings:-** Providing final documentation showing exact cable routes and equipment's locations.
- (d) **Training:-** Training site personnel on daily operations, maintenance and emergency procedures.

Format for BG

**FORMAT OF BG (FORMAT FOR BANK GUARANTEE) FOR
EARNEST MONEY DEPOSIT**

This deed of guarantee made on day of Two Thousand _____ between (Name of Banker) having its Registered office at _____

(hereinafter referred to as the Surety) and President of India acting by and through **Chief Construction Engineer (R&D) Estates, North, M-1026, Sector 29-A, Chandigarh** - 160030 (herein after referred to as the "OWNER").

WHERE AS M/s.....(Contractor's name) hereinafter referred to as "CONTRACTOR" having their registered office atis bound to deposit with the owner by way of Earnest money Rs..... (Rs..... only) in connection with their tender for(name of work) with reference to "OWNER" tender enquiry No.....dated as per specifications and terms and conditions enclosed therein. Whereas the contractor as per clause No. 10 of invitation to tender has agreed to furnish a Bank Guarantee valid upto (date) instead of deposit of earnest money.

NOW THIS WITNESS

That the surety in consideration of the above Tender made by the CONTRACTOR to the OWNER hereby undertakes to guarantee payment on demand to the owner of the said amount of Rs..... which the contractor is bound to deposit with the OWNER by way of earnest money in connection with his tender.

Notwithstanding anything contained in the foregoing, the Surety's liability under the guarantee is restricted to Rs..... (Rupees only). The guarantee shall remain in force and affective up to and shall expireand become ineffective on intimation there-of being given to the surety by the owner in which event this guarantee shall stand discharged.

This guarantee shall Not be affected by any change in the constitution of the OWNER, CONTRACTOR or the surety.

The OWNER shall be eligible to make any claim under this guarantee only if the contractor submitting the tender resales from the offer or modify the terms and conditions thereof in a manner Not acceptable to the OWNER or fail to sign the contract and deposit initial security deposit within 10 (Ten) days after the OWNER has advised the contractor the acceptance for (name of work) on mutually agreed terms and conditions. The OWNER's decision in this regard shall be final and binding.

The surety cannot revoke this guarantee during its currency except by the previous consent of the OWNER in writing.

Notwithstanding anything contained hereinabove unless a demand or claim under this guarantee is made on the surety in writing on or before the surety shall be discharged from all liabilities under this guarantee thereafter.

for and on behalf of
(Banker's Name)

FORMAT FOR AGREEMENT

This AGREEMENT made and entered into this _____ day of _____ Two Thousand _____ between the President of India acting by and through **Chief Construction Engineer (R&D) Estates, North, M-1026, Sector 29-A, Chandigarh - 160030** hereinafter referred to as the "OWNER" (which expression shall, unless excluded by or repugnant to the context or the meaning thereof, be deemed to include its successors and assigns) of ONE PART.

AND

M/s. _____

having their registered office and principal place of business at _____

hereinafter referred to as the "CONTRACTOR" (which expression shall unless excluded by or repugnant to the context or the meaning thereof, be deemed to include its successors and assigns) of the OTHER PART.

WITNESSETH THAT

WHEREAS, the OWNER invited the CONTRACTOR to submit tender for _____

AND

WHEREAS, the CONTRACTORS submitted their tenders to the OWNER for execution of the work in accordance with the tender documents including technical specifications, schedule of items and tender drawings vide his letters _____

AND

WHEREAS, the OWNER has accepted the tender submitted by the CONTRACTOR for the execution of the aforesaid work with reference to letter No. _____

AND WHEREAS, the CONTRACTOR has agreed to execute the aforesaid work on the terms and conditions as stated in tender documents & general conditions of contract and has also agreed to submit to the OWNER initial security deposit required to be paid on the date of signing of the agreement, in accordance with the Tender.

NOW, THEREFORE, in consideration of the foregoing promises and mutual covenants herein contained, the parties hereby agree to fulfil the obligations stated in the tender documents along with contractors offer.

IN WITNESS

WHEREOF THE **Chief Construction Engineer (R&D) Estates, North, M-1026, Sector 29-A, Chandigarh – 160030**, has set his hand for & on behalf of PRESIDENT OF INDIA.

AND

Sh. _____ duly authorised representative of the CONTRACTOR for and on behalf of M/s. _____

has affixed his signature and the seal of the said company in accordance with Articles of Association.

Signed and delivered by

Signed and delivered by

For and on behalf of

CCE (R&D) Estates, North

M/s. _____

Accepting Officer

For and on behalf of PRESIDENT OF INDIA

Witness

- | | |
|----|----|
| 1. | 1. |
| 2. | 2. |

Format of Certificate for GCC

**CERTIFICATE FOR ACCEPTING OF GCC of RDCE WORKS PROCEDURE CONDITIONS
AS AMENDED**

1. I / we hereby declare that I/we have seen, read and understood the aforesaid General Conditions of JWO/Contracts, GCC 2023 to RDCE WP-2024 with errata and referred to in the tender documents and form part of the tender document.
2. My / our signature hereunder is deemed to having seen, read and understood these documents before submission of the tender documents. These documents although not attached with the tender but shall be deemed to have formed a part of the tender and subsequently JWO / Contract Agreement if accepted.
3. It is hereby certified that I have gone through the General Contract Conditions attached with the tender and agreed with the mentioned terms and conditions.

Yours Faithfully,

(Signature of the Bidder, with Official Seal)

LIST OF PREFERRED MAKE OF MATERIALS

The Tenderer shall quote his rates on the basis of the price of the brand/make stipulated in the item of works as described in BOQ, Specifications and furnished in Technical data. The Owner reserves the right to select any of the brands indicated in the "List of Approved Makes," in case of delay in delivery of ordered 'make of item'. The contractor cannot claim anything extra if the Owner changes the make but within the list of approved make.

S. No.	Materials	Preferred Make(s)
	CIVIL WORKS	:
1	Imidacloprid 30.5% SC : (PREMISE 350 SC; ATT Chemical)	Bayer India Limited, Pyramid, Searle, Montari or any equivalent make
2	Chlorophyriphos	DE-NOCIL, Bayer, Pyramid, Searle, Monatari
3	Red Brick	Locally available best brand as per class designation 7.5
4	Reinforcement steel	: SAIL, TISCO, RINL, JSW TMT
5	Structural Steel small sizes for general works	: Any brand from secondary producers
6	Structural Steel for trusses beams etc	: SAIL, TISCO, RINL, JSW or any other primary producers
7	M.S pipe, Tubes, Bar, Flats, Angle, T- Section	SAIL, TATA(TISCO), RINL
8	Binding wire	TATA
9	Flush doors/ panel door	: Kit ply, Green Ply, Duro, National
10	Commercial ply	: Kit ply, Duro, National, Green Ply
11	Commercial board	: Green Board (Premium) Kit ply, Duro (exterior grade), National
12	Laminate	: Greenlam, Formica, Sunmica, Merino
13	Pre-laminated board	: NOVAPAN exterior grade, Bhutan exterior grade
14	Pre-laminated MDF Boards	Scheit, Span, Euro
15	Glazed tile	: Kajaria, Johnson, Somany, Nitco, RAK, Orient Bell
16	Ceramic tiles	: Kajaria, Johnson, Somany, Nitco, RAK, Orient Bell
17	Vitrified Tiles	Nitco, Kajaria, Somany, Johnson, RAK, Orient Bell
18	Aluminium sections	: Hindalco, Indal. Jindal
19	Door hardware	Classic, Haffle, Dolma Kich,
20	Mortice lock & latch	: Godrej, Harrison
21	Hydraulic Door closer(Single/Double)	: Godrej, Hardwyn (ISI marked), Everite, Dorma, Dorset
22	Stainless Steel Wire Mesh	Champion, GKD, Wmw

S. No.	Materials	Preferred Make(s)
23	Aluminium hardware fittings	: Argent, Classic (ISI marked)
24	S.S Butt hinges	Jolly,Garg,AMIT & Jyoti
25	Polysulphide sealant	: Pidilite, Choksey, Fosroc, BASF
26	Paints/ primer/oil bound distemper	: Asian Paints, Garware, Jenson & Nicholson, Nerolac, Berger, ICI (first quality)
27	Water proof cement paint	: Snowcem India Ltd., Berger, Jenson& Nicholson, Asian Paints
28	Synthetic enamel paint	Berger, Nerolac, Asian
29	Water proofing compound	: CICO, Impremo , Fosroc & Sika
30	Bitumen Impregnated board	: Shalitek and equivalent
31	Vitreous china sanitary ware/ urinals/EWC/Wash basin	: Cera, Parryware, Neycer, Hindware, Somany, Jaquar
32	Stainless steel sinks (with & without drain board)	: Kingston, Nirali, Somany, Neelkanth
33	PVC WC seat covers	: Commander, Aggarwal with marked (White only)
34	CP brass fittings	: Kingston, Marc, Jaguar, Somany
35	PTMT Fittings/Fixtures	Prayag, Shakti
36	G.I. pipes	: Jindal Hisar, Tata, Prakash with ISI marked
37	G.I. pipe fittings	: Tata, Prakash ,ICS, Unik
38	Gun metal/brass valves	: Leader, Zoloto, Audco India, Sant ISI Marked
39	M.S. pipe	: Jindal, Hissar, Prakash, Tata
40	Sand cast iron pipes	: RIF of ISI marked, AVON
41	SWG pipes & gully traps	: Perfect, Anand with ISI marked
42	C.I. Manhole covers & gratings	: RIF or ISI marked
43	C.I. Double flanged pipes & fittings	: RIF or ISI marked
44	Cement	: Birla Gold, Ambuja, Grasim, Ultra Tech, ACC, Lafarge
45	Ready Mix Concrete	Ultra Tech, ACC, LAFARGE
46	White Cement	ACC, J.K. White, Birla White
47	Water proofing Compound	Forsroc, Sika, BASF, Pidilite,Cico
48	Water supply valves	Zolto, RB Leader,ARCO,IBP,Prayag
49	C.I Pipes	Necokesoram, Electrosteek&Kapilansh
50	PVC storage water tank	: Sintex, Uniplast, Durocon, Polycon,, Supreme
51	Float valve	Prayag,Leader
52	PVC Doors and Frames (Pre laminated)	Rajshri Plasticwood, Sintex, Acua Polytech Pvt.Ltd

S. No.	Materials	Preferred Make(s)
53	Pressed steel doors Frames	Madhu Industries, San Harvic, NCL
54	PVC Pipes	: Oriplast, Prakash or equivalent
55	False Ceiling Members (Perimeter, Ceiling sections, Intermediates, Angles Etc.)	Armstrong, Gyp.Steel of India Gypsum Ltd (Saint Goain)
56	Welding Rod	ADVANI, Esab
57	UPVC Pipes	: Astral, Finolex, Supreme, Ashirvad
58	Puff Panel	: Lloyd Insulations India Ltd, RINAC, ALFA PEB, PressMach
59	E/M WORKS	:
60	Vacuum circuit breakers (11KV)	: Siemens, Schneider, Crompton Greaves, GE, L & T, ABB (Relays shall be same make as breakers)
61	Transformers	: GE, Kirloskar Crompton Greaves, Schneider
62	MV switchgear	: Siemens, GEC, L&T, Merlin Gerin, ABB, GE
623	Capacitor Switching Contactors	: Lovato, ABB, Merlin Gerin, L&T
64	Capacitors	: L&T, Simens, Havells, Legrand
65	CTs/PTs	: AE, Kappa, Jyothi, Pragati, Kalpa
66	Measuring instruments	: AE, IMP, MECO
67	Electronic Meters	: AE, Meco, Alacrity, Conzerv, Elmeasure
68	Power system relays	: ABB, Siemens, Alstom, Areva, GE, L & T
69	Battery charger	: Amar Raja, Universal, Exide, HBL Nife, Amco
70	Batteries	: Exide, AMCO, Amar Raja
71	MV panels (PCCs)	: CPRI approved manufacturers having type Test Certificate for short circuit and temp rise issued
72	Power factor control relay	: Alacrity, L & T, Epcos, Schneider
73	Geysers	: Racold, Usha Lexus, Crompton Greaves, Jaquar
74	Cable glands	: HMI, Comet, Brasco, Jaison
75	Cable lugs	: Dowell's, 3D,Hex, Jaison
76	Heat shrinkable jointing kits	: Raychem, 3M, CCI
77	Switches/ sockets/ fan regulators	: MK India, Anchor, Legrand, Wipro
78	Telephone sockets	: MK India, Anchor, Legrand, Wipro
79	FRLS copper conductor wires	: Finolex, Havells, Kalinga, Rajnigandha, National, Lapp
80	PVC conduits & accessories	: Sudhakar, Avon, Plast, Kalinga, Precision
81	Metal clad sockets	: Crompton, Legrand, Merlin-Gerlin
82	MCBs/ MCB distribution boards	: Legrand, Standard Indo Kopp, L&T, Havells, Siemens
83	ACBs/ MCCBs/ TPNSFUs	: L&T, Siemens, ABB, Scheinder, Crompton,

S. No.	Materials	Preferred Make(s)
84	HT, MV & control cables	: Unistar, Torrent, Havells, Finolex
85	Light fixtures	: Philips, Crompton, Wipro, Bajaj, Havells
86	Telephone wires	: Mazda, Delton, Finolex, Havells
87	Ceiling fans/ exhaust fans	: Havells, GEC, Crompton, Usha, Bajaj
88	DI Pipe	: Electro steel, Lanco, Kalahasti
89	Motor / Pumps	: Kirloskar, KSB, Crompton Greaves
90	Reinforced Earth Wall	: Tech Fab (India) Industries Ltd., Tencate, Reinforced Earth (India) Pvt. Ltd., Terram Geosynthetic Pvt Ltd., Maccaferri
91	RCC Hume Pipe	: Any reputed manufacturers
92	Road Furniture	: M3, Venus, Pioneer Swif, Glowel Safety Products
93	Light Fittings (LED/ Normal)	: Philips, CG, Bajaj, Wipro etc.
94	DG Set	: Cummins, Kirloskar, Ashok Leyland
95	Split AC	: Daikin, Hitachi, Mitsubishi, Carrier, Voltas, Blue Star
96	VRV/HVAC System	: Daikin, Carrier, Mitsubishi, Voltas and Blue Star or Techno-Commercial Eqvt.
97	UPS (online)	: APC, Emerson, Luminous, Aurotonica, Power tech or Techno-Commercial Eqvt.
98	Diesel fired boiler / water heater	: Alfa-therm, Thermax or techno commercial equivalent
99	Four Channel NVR	CP Plus/ Panasonic
100	Five MP IP Bullet Cameras	CP Plus/ Panasonic
101	UTP Cable	D-Link/ Finolex
102	Single Phase Power Strip	Legrand/ Anchor
103	Surveillance Hard Disk	WD/ SECATE
104	POE Switch	TP Link/ D-Link
105	Room Heater	Bajaj, Usha Lexus, Crompton

Notes: -

- i. The makes given above are preferred make and can be considered only complying the MII norms ie. Make in India.
- ii. If any make stated above does not comply with the technical specifications given in tender/ against item in BOQ, then such a make can not be applied at this project.
- iii. Any make which are techno commercial equivalent could be supplied / provided with approval of Engineer-in-Charge)

EMPLOYEE PROFILE FORM
कर्मचारी के विवरण का प्रारूप

Name / नाम	:	_____	<u>Affix</u> <u>Passport Size</u> <u>Photo</u>
Name of Post / पद का नाम	:	_____	
Date of Birth / जन्म तिथि	:	_____	
Aadhaar Card No. / आधार संख्या	:	_____	
Father / Husband's Name	:	_____	
पिता / पति का नाम	:	_____	
Local Address & Mobile / स्थानीय पता तथा मोबाइल नं	:	_____	
Permanent Address & Mobile स्थायी पता तथा मोबाइल नं	:	_____	
Police Verification पुलिस सत्यापन हुआ या नहीं	:	_____	
Bank Account Details बैंक खाता विवरण	:	_____	
Educational Qualification & experience (if any) शैक्षिक योग्यता तथा कार्य अनुभव, यदि है	:	_____	
UAN / EPF Number	:	_____	
ESI Number	:	_____	
Date / दिनांक	:	_____	Signature
Work Order Number & Date	:	_____	
Contractor's Name & Address	:	_____	
Remarks / टिप्पणी	:	_____	
Date / दिनांक	:	_____	Contractor's Signature
Remarks / टिप्पणी	:	_____	
Date / दिनांक	:	_____	Officer-in-Charge

कर्मचारी निर्धारित कार्य के योग्य है / योग्य नहीं है
Employee is suitable / Not suitable for allotted work

Estate Manager/Project Manager

ACCEPTANCE OF TERMS & CONDITIONS OF TENDER

(To be given on Company Letter Head)

Date:

To
Chief Construction Engineer
CCE(R&D) Estates, North
M-1026, Sector 29-A,
Chandigarh - 160030

Subject: Acceptance of Terms & Conditions of Tender.

Name of Wok:

Dear Sir,

1. I / We have received the tender document(s) for the above mentioned 'Tender / Work'.
2. I / We hereby certify that I/we have read the entire terms and conditions of the tender documents from Page No. One _____ to Last _____ (including all documents like annexure(s), schedule(s), etc.), which form part of the contract agreement and I/ we shall abide hereby by the terms / conditions / clauses contained therein.
3. The corrigendum(s) issued from time to time by your department / organisation to have also been taken into consideration, while submitting this acceptance letter.
4. I / We hereby unconditionally accept the tender conditions of above-mentioned tender document(s) / corrigendum(s) in its totality / entirety.
5. I / We do hereby declare that our Firm has Not been blacklisted / debarred by any Government Department / Public sector undertaking.
6. I / We certify that all information furnished by our Firm is true & correct and, in the event, that the information is found to be incorrect / untrue or found violated, then your department / organisation shall without giving any notice or reason. Therefore, summarily reject the bid or terminate the contract, without prejudice to any rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours faithfully,

(Signature of the Bidder, with Official Seal)
(Signature & Stamp of Contractor)

DETAILS OF SIMILAR WORKS FOR PREQUALIFICATION CRITERIA

The tenderer shall support this form by adequate documentary evidence in the form of certified copies of work orders and completion certificates. Each project should be supported with performance certificate as per **Annexure – 'III'** and certified by the Owner not below the rank of Executive Engineer or equivalent/Client for whom contractor executed the work.

Details of all similar works completed during last seven years ending last day of month previous to the one in which tenders are invited:

Ser No.	Particulars	Work-I	Work-II	Work-III
1.	Name of Work / Project & Location			
2.	Contract price as ordered (Rs.)			
3.	Actual Completion Cost (Rs.)			
4.	Date of award			
5.	Stipulated Date of Completion			
6.	Actual date of Completion			
7.	Extension of time (if any) granted with or without levy of compensation			
8.	Whether the proof of TDS by the owner attached. (Yes or No)			
9.	Performance certificate as per Annexure III enclosed (Yes or No)			
10.	Details of the works under which contractor is seeking prequalification			
11.	Litigation / Arbitration Cases pending / in progress with details *			
12.	Employer's / Owner's Name			
13.	Employer's Address: Telephone / Fax Number:			
14.	Name and address / telephone no. E-mail address: of officer (Employer's / Owner's) to whom reference to be made (if required)			
15.	Remarks			

* Indicate gross amount claimed and amount awarded by the Arbitrator

Signature of Bidder(s)

PROFORMA FOR PERFORMANCE CERTIFICATE

Name & Address of the Client :
 Details of Works executed by :

1	Name of work with brief particulars incl. location	
2	Agreement No. and date	
3	Agreement amount (Rs. In Lakhs)	
4	Date of commencement of work	
5	Stipulated date of completion	
6	Actual date of completion	
7	Details of compensation levied for delay (indicate amount) if any	
8	Gross amount of work completed and paid (Rs. In Lakhs). Type / amount of similar electrical work will be indicated separately.	
9	Name of address of the authority under whom works executed	
10	Whether the contractor employed qualified supervisor/staff during execution of work	Yes/No
11	i) Quality of work (indicate grading)	Outstanding / Very Good / Good / Satisfactory/ Poor
	ii) Amt. of work paid on reduced rates. If any	Yes/No
1	i) Did the contractor go for arbitration?	
2		
	ii) If yes, total amount of claim	
	iii) Total amount awarded	
13	Comments on the capabilities of the contractor	
	a) Technical proficiency	Outstanding / Very Good / Good / Satisfactory/ Poor
	b) Financial soundness	Outstanding / Very Good / Good / Satisfactory/ Poor
	c) Mobilization of manpower	Outstanding / Very Good / Good / Satisfactory/ Poor
	d) Mobilization of T&P	Outstanding / Very Good / Good / Satisfactory/ Poor
	e) General behavior	Outstanding / Very Good / Good / Satisfactory/ Poor
	f) Over all grading	Outstanding / Very Good / Good / Satisfactory/ Poor

ANNUAL FINANCIAL TURNOVER**(FINANCIAL SOUNDNESS AND PROFIT AND LOSS STATEMENT)**

This Form shall be duly certified by Chartered Accountant / Company Auditor in original under his signature, stamp and membership number:

Name of the Tenderer: _____

Sl. No	Description	Financial Data for Last 5 Years (₹)				
		2020-21	2021-22	2022-23	2023-24	2024-25
1.	Total Assets					
2.	Current Assets					
3.	Total External Liabilities					
4.	Current Liabilities					
5.	Annual Profits (Before Taxes)					
6.	Annual Profits (After Taxes)					
7.	Gross Annual turnover					

Signature of authorized signatory of Tenderer

Place:

Date:

Signature of Chartered Accountant with Seal

Notes: -

1. Attach copies of the audited balance sheets, including all related notes, income statements for the last five audited financial years, as indicated above, complying with the following conditions.
2. All such documents shall reflect the financial data of the Applicant and not sister or Parent Company.
3. Financial statements shall be audited by Statutory Auditor of the Company under their seal & stamp and shall be strictly based on Audited Annual Financial results of the relevant period(s). No statements for partial periods will be accepted.
4. Where a work is undertaken by a group, only that portion of the contract which is undertaken by the concerned applicant/member should be indicated and the remaining done by the other members of the group be excluded. This is to be substantiated with documentary evidence.

Signature of authorized signatory of Tenderer

Signature of Chartered Accountant with Seal

Calculation of Bidding Capacity
Details of Existing Commitments and on-going works

Name of the Firm / Bidder : _____

Name of Work :

Bidding capacity of vendors will be calculated during the technical evaluation of each bid as per the given below formula / procedure.
The bidding capacity shall be worked out by the following formula :-

The bidder should possess the bidding capacity as calculated by the specified formula.

Available bid capacity = (A x M x N)-B, where

A = Maximum value of (Works relevant to work being procured) executed in any one year during the last **07 (seven) years** (updated at the current price level at 7% simple interest), taking into account the completed as well as works in progress.

M = Multiplier Factor (usually 2.00)

N = Number of years prescribed for completion of the work for which bid has been invited.

When the value of N is less than 0.50 years then for calculation purpose minimum value of N shall be taken as 0.50.

B = Value of existing commitments and ongoing works to be completed during the period of completion of work for which bid have been invited, the amount of works which are stuck up due to local body clearance, environmental clearance, court decisions etc., shall not be considered for calculation of B. NIT approving authority may take a final decision on other justified reasons.

Sl. No.	Name of work / Projects & Location	Owner or sponsoring organizations	Contract value in Crores of rupees	Date of commencement as per contract	Stipulated date of completion	Up to date percentage progress of work	Remaining work in percentage (100-column 7)	Existing commitment (column 4 x column 8 /100)	Name and address / telephone number of officer to whom reference may be made	Remarks

Total (B) = Rs. _____

Maximum Turnover in last seven years = Rs. _____

Updated value of turnover (A) = Rs. _____

No. Of years (N) = Rs. _____

Bidding capacity = {[AxNx2.00] – B}

Certificate:- I certify that all]the awarded and ongoing work have been included in the above list.

Signature (S) of BIDDER (S)
(WITH STAMP)

Net worth for the Financial Year 2024-25 is (Rs. In Figure _____)

.....
Signature, Name and designation of Authorised Signatory	Name of the Statutory Auditor's Firm/Chartered Account : _____ Signature :- _____
For and on behalf of	Seal of the Audit / Chartered Accountant Firm: Name of Signatory (in Capital): _____
..... (Name of the Applicant)	Membership No. : _____ Firm Regn No. : _____

Note:- All information sought w.r.t. firm / Chartered Accountant is mandatory.