

Government of India

**Training centre & School BSF Meru, Dist- Hazaribag (JH)-825317**

N.I.T. No. : 13/EE (E)/TC&S/ H-BAG/2025-26  
TS No. : 24/Engg/TC&S/2025-26/1109  
Name of Work: SITC for 160 KVA DG set against the BER at Qtr Guard Genrator Room held in charge of TC&S, BSF Hazaribag  
Estimated Cost : ₹ 27,18,440/-  
Earnest Money 2% On EC : ₹ 54,369/-  
Performance guarantee : 5% on TA  
Time allowed : 30 Days

Certificate that this DRAFT NIT Contain page\_\_to \_\_pages ,including correction slip.

Assistant Engineer (Elect)  
TC&S BSF HZB

**APPROVED/NOT APPROVED**

**Executive Engineer(Elect.)**

## **INDEX FOR e-TENDERING**

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Generator Room held in charge of TC&S, BSF Hazaribag**

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Certified that this Bid document contains 39 pages.

Assistant Engineer (Elect)  
TC&S BSF HZB

**Executive Engineer(Elect.)**

**Training centre & School BSF Meru, Dist- Hazaribag (JH)-825317**

(Engineering Branch)

**Notice Inviting e-tender**

Executive Engineer (Electrical), Training centre & School BSF Meru, Dist- Hazaribag (JH)-825317 , on behalf of President of India invites online Percentage rate e - tender from approved and eligible contractors of CPWD and those of approved classes borne on the approved list of Railways, MES and Jharkhand state PWD(BCD &RCD) for the following work: -

S. No.	NIT No. and Name of Work	Estimated Cost (In Rs)	Earnest Money (in Rs)	Time of completion	Last time & date of submission of tender	Time & date of opening of tender
1	13/EE (E)/TC&S/ H-BAG/2025-26 SITC for 160 KVA DG set against the BER at Qtr Guard Gennator Room held in charge of TC&S, BSF Hazaribag	₹ 27,18,440/-	₹ 54,369/-	30 Days	1100 Hrs on **/**/2026	1130 Hrs on **/**/2026

The tender forms and other details can be obtained from the web site [www.eprocure.gov.in](http://www.eprocure.gov.in) and [www.bsf.gov.in](http://www.bsf.gov.in) .

No.Engg/7725/Elect/TC&amp;S /e-Tender/2025-26/----

Assistant Engineer (Elect)  
TC&S BSF Hazaribag

Dated: ----/0---/2026 .

Executive Engineer(Elect.)

**INFORMATION AND INSTRUCTIONS FOR CONTRACTORS FOR E-TENDERING**  
**FORMING PART OF NIT AND TO BE POSTED ON WEBSITE**

Executive Engineer (Electrical (Electrical), Training centre & School BSF Meru, Dist- Hazaribag (JH)-825317, on behalf of President of India invites online Percentage rate e - tender from approved and eligible contractors of CPWD and those of approved classes borne on the approved list of Railways, MES,JBVNL and Jharkhand state PWD(BCD &RCD) for the following work

- 
1. **NIT No.** : 13/EE (E)/TC&S/ H-BAG/2025-26
2. **Name of work** : SITC for 160 KVA DG set against the BER at Qtr Guard Genrator Room held in charge of TC&S, BSF Hazaribag.
3. **Estimated cost put to tender** : Rs.₹ 27,18,440/-
4. **Earnest Money** : Rs.₹ 54,369/-
5. **Period of completion** : 30 Days
6. **Period of submission/uploading of eligibility & financial bids** : 1100 Hrs on 0--/0--/2026
7. **Last date & time of submission of bid, original EMD, copy of receipt for deposition of EMD and other Documents specified in tender notice** : 1100 Hrs on 0--/0--/2026
8. **Time and date of opening of tender** : 1130 Hrs on 0--/0--/2026
1. The intending bidder must read the terms and conditions of CPWD-7 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
  2. Information and instructions for bidders posted on website shall form part of bid document. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of contract to be complied with and other necessary documents can be seen and downloaded from website [www.eprocure.gov.in](http://www.eprocure.gov.in) free of cost.
  3. The contractor should deposit original EMD in the office of Assistant Engineer (Electrical), TC&S BSF Hazaribag or any other BSF establishment inviting the bids within the period of submission. The contractor shall obtain the receipt of EMD so deposited from the Assistant Engineer in the prescribed format uploaded. The bid document as uploaded can be viewed and downloaded free of cost by anyone including intending bidder but the bid can only be submitted after uploading the mandatory scanned documents such as Demand draft/ Fixed deposit receipt towards EMD in favour of **IG,TC&S BSF Hazaribag**, copy of receipt of original EMD deposition and other documents specified in tender notice.
  4. Those contractors not registered on the website (e-tendering portal) are required to get registered beforehand. If needed they can be imparted training on online tendering process as per the details available on the website. The intending bidder must have valid class-III digital signature to submit the bid.
  5. On opening date, the contractor can login and see the bid opening process. After opening of bids, he will receive the competitor bid sheets.
  6. Contractor can upload documents in the form of PDF format.

7. The department reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified contractors to any number being suitable to it, if too many bids are received satisfying the laid down criteria.
8. Contractor must ensure to quote rate of each item. The column meant for quoting rates in figures appears in pink colour and the moment rate is entered, it turns sky blue. In addition to this, while selecting any of the cells a warning appears that if any cell is left blank and the same shall be treated as '0' Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as '0' (zero)
9. **List of documents to be scanned and uploaded within the period of bid submission: -**
- Earnest money of **₹ 54,369/-** in the shape of demand draft/ fixed deposit receipt in favour of **IG TC&S BSF Hazaribag**
  - Enlistment order of eligible contractor in appropriate class and category enlisted in CPWD/ MES/ Railways/ Jharkhand , State PWD(BCD/RCD).
  - Copy of electrical contractor licence.
  - Certificate of registration of GST
  - Copy of PAN as applicable
  - Receipt of deposition of original EMD
  - Experience Certificate of same nature of work.**  
Three similar works each of value not less than 40% of the estimated cost put to tender with capacity of individual DG Set being 80% of individual capacity (rounded off to next available higher capacity) of the equipment i.e. DG Set proposed in NIT  
OR  
Two similar works each of value not less than 60% of the estimated cost put to tender with capacity of individual DG Set/ being 80% of individual capacity (rounded off to next available higher capacity) of the equipment i.e. DG Set proposed in NIT.  
OR  
One similar work of value not less than 80% of the estimated cost put to tender with capacity of individual DG Set being 80% of individual capacity (rounded off to next available higher capacity) of the equipment i.e. DG Set proposed in NIT.  
All amounts rounded off to a nearest convenient figure.  
1. Eligibility criteria of each such agency to be associated are set out in the tender documents.  
2. The Buildings & Roads category contractor is also be eligible to carry out himself/ herself any or all of these works without associating any specialized agency provided:  
(a) He fulfils the prescribed eligibility criteria respectively for these work(s).  
OR  
(b) He directly procures the equipment of approved make from manufacturer and gets it installed from authorized agency/service provider of the manufacturer or specialized agency as per criteria mentioned in NIT.  
3. The Buildings & Roads Contractor and the associated specialized agencies give required affidavit to confirm their association.  
4. Tender accepting authority approves the change of Sub-Agency in case it is required during the currency of the contract.
  - Affidavit that contractor is not black listed/ banned by any department

Assistant Engineer (Elect)

Executive Engineer(Elect.)

**INFORMATION AND INSTRUCTIONS FOR ASSISTANT ENGINEER FOR E-TENDERING**

1. (Executive Engineer (Electrical), of TC&S BSF HZB should receive the original EMD in respect of their own tenders of TC&S BSF Hazaribag.
2. The Assistant Engineers (Electrical) receiving the original EMD shall examine the EMD deposited by the bidder and shall issue the receipt of deposition of earnest money to the agency in the below given format.

**Receipt of deposition of original EMD**

Date and time of issue of receipt: \_\_\_\_\_

**Name of work** : - SITC for 160 KVA DG set against the BER at Qtr Guard Generator Room held in charge of TC&S, BSF Hazaribag

1. NIT No. : **13/EE (E)/TC&S/ H-BAG/2025-26**
2. Estimated Cost : **₹ 27,18,440/-**
3. Earnest money to be deposited : **₹ 54,369/-**
4. Last date of submission of bid :
5. Details of earnest money deposited :
6. Amount deposited. : ₹ \_\_\_\_\_/-
7. Name of contractor :

Signature, name & designation of EMD receiving officer /AE along with office stamp

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**Government of India**  
**Training centre & School BSF Meru, Dist- Hazaribag (JH)-825317**

**Notice Inviting E-Tender**

Executive Engineer (Electrical , Training centre & School BSF Meru, Dist- Hazaribag (JH)-825317, on behalf of President of India invites **percentage rate** e - tender from approved and eligible contractors of CPWD and those of approved classes borne on the approved list of Railways, MES and Jharkhand state PWD(BCD &RCD) for the following work

**SITC for 160 KVA DG set against the BER at Qtr Guard Generator Room held in charge of TC&S, BSF Hazaribag.,**

1. The enlistment of the contractors should be valid on the last date of submission of bids. In case the last date of submission of tender is extended, the enlistment of contractor should be valid on the original date of submission of bids.
- 1.1 The work is estimated to cost **₹ 27,18,440/-**
- 1.2 This estimate however, is given merely as rough guide.
2. Agreement shall be drawn with the successful tenderer on prescribed form No.CPWD-7 modified/ amended upto the last date of receipt of tender which is available as a Govt. of India publication. Tenderer shall quote his rates as per various terms and conditions of the said form which shall form a part of the agreement.

To become eligible for issue of tender, the tenderer shall have to furnish an affidavit as under:-

“I/We undertake and confirm that eligible similar works(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for tendering in BSF in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit / Performance Guarantee.”

3. The time allowed for carrying out the work will be **30 Days** from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.
4. The site for the work is available.
5. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen from CPP Portal (<http://eprocure.gov.in>) free of cost.
6. After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of bid as notified.
7. While submitting the revised bid, contractor can revise the rate of one or more item (s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.

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Enlistment Order and other documents as specified in the press notice shall be scanned and uploaded to the e-Tendering website within the period of bid submission. However, certified copy of all the scanned and uploaded documents as specified in press notice shall have to be submitted by the lowest bidder within a week after opening of financial bid.

- (i) The bid/ tender submitted shall be opened after As per E-Tender to be published.
8. The bid/ tender submitted shall become invalid and cost of bid shall not be refunded if:-
- I. The bidders are found in eligible.
  - II. The bidder does not upload all the documents (including VAT/ Service Tax registration /Sale Tax Registration /GST) as stipulated in the bid document including EMD declaration form.
  - III. If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest tenderer in the office of tender opening authority.
9. The contractor whose tender is accepted will be required to furnish performance guarantee of 5% (Five Percent) of the tendered amount within the period specified in Schedule F. This guarantee shall be in the form of Deposit at Call receipt of any scheduled bank/Banker's cheque of any scheduled bank/Demand Draft of any scheduled bank/Pay order of any Scheduled Bank (in case guarantee amount is less than Rs.100000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form. In case the contractor fails to de-posit the said performance guarantee within the period as indicated in Schedule 'F', including the extended period if any, who will be debarred from subsequent e-tendering process..

The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses/registrations or Proof of applying for obtaining labour licenses, registration with EPFO,

ESIC and BOWC Welfare Board and Programme Chart (Time and Progress) within the period specified in Schedule F.

10. The reimbursement of EPF & ESI contributions paid by the contractor on the part of employer is to be made on submission of documentary proof of payment provided the same is in order
11. Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil (so far as is practicable), the form and

Nature of the site, the means of access to the site, the accommodation they may require and in general shall

Themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidders shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidders implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.

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12. The competent authority on behalf of the President of India does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidders shall be summarily rejected.
13. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable for rejection.
14. The competent authority on behalf of President of India reserves to himself the right of accepting the whole or any part of the bid and the bidders shall be bound to perform the same at the rate quoted.
15. No Engineer of Gazetted Rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the bid or before submission of the bid or engagement in the contractor's service.
16. The contractor shall not be permitted to bid for works in the BSF responsible for award and execution of contracts, in which his near relative is posted a Senior Accountant or as an officer in any capacity between the grades of Junior Engineer and Superintending Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the BSF or in the MHA. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.
17. The bid for the works shall remain open for acceptance for a period of Ten/Fifteen/Thirty/Forty five/Sixty(10/15/30/45/60) days from the date of opening of bids in case of single bid system/ Sixty(60) days from the date of opening of technical bid in case bids are invited on 2 or 3 bid/envelop system (strike out as the case may be). If any bidders withdraws his bid before said period or issue of letter of acceptance, whichever is earlier, or makes any modification in the terms and conditions of the bid 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 said performance guarantee as aforesaid. Further the bidders shall not be allowed to participate in the re-bidding process of the work.
18. This notice inviting Bid shall form a part of the contract document. The successful bidders/contractor, on acceptance of his bid by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of:-
  - a) The Notice Inviting Bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
  - b) Standard C.P.W.D. Form 7/8 or other Standard C.P.W.D. Form as applicable.

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**List of documents to be scanned and uploaded within the period of bid submission: -**

- a) Earnest money of **₹ 54,369/-** in the shape of demand draft/ fixed deposit receipt in favour of **IG TC&S BSF Hazaribag**
- b) Enlistment order of eligible contractor in appropriate class and category enlisted in CPWD/ MES/ Railways/ JBVNL, Jharkhand , State PWD(BCD/RCD).
- c) Copy of electrical contractor licence .
- d) Certificate of registration of GST
- e) Copy of PAN as applicable
- f) Receipt of deposition of original EMD
- g) Experience Certificate of same nature of work only
- h) Affidavit that contractor is not black listed/ banned by any department

Assistant Engineer (Electrical)  
TC&S,BSF Hazaribag

**Executive Engineer(Elect.)**

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**INTEGRITY PACT**

To

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Subject : **NIT No. 13/EE (E)/TC&S/ H-BAG/2025-26** for the work “.SITC for 160 KVA DG set against the BER at Qtr Guard Genrator Room held in charge of TC&S, BSF Hazaribag.”

Dear Sir,

It is hereby declared that Border Security Force is committed to follow the principle of transparency, equity and competitiveness in public procurement.

The subject notice inviting tender (NIT) is an invitation to offer made on the condition that the bidder will sign the integrity Agreement, which is an integral part of tender/ bid documents, failing which the tenderer/ bidder will stand disqualified and the bid of the bidder would be summarily rejected.

This declaration shall form part and parcel of the Integrity agreement and signing of the same shall be deemed as acceptance and signing of the Integrity Agreement on behalf of the Border Security Force.

Yours faithfully,

Executive Engineer (Elect.)  
TC&S BSF Hazaribag

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To

Executive Engineer (Elect.)  
TC&S BSF Hazaribag

Sub: -. SITC for 160 KVA DG set against the BER at Qtr Guard Gennrator Room held in charge of TC&S, BSF Hazaribag.

Dear Sir,

I / We acknowledge that Border Security Force is committed to follow the principles thereof as enumerated in the Integrity Agreement enclosed with the tender/bid document.

I/ We agree that the Notice Inviting Tender (NIT) is an invitation to offer made on the condition that I / We will sign the enclosed integrity agreement, which is an integral part of tender documents, failing which I/ We will stand disqualified from the tendering process. I / We acknowledge that the making of the bid shall be regarded as an unconditional and absolute acceptance of this condition of the NIT.

I / We confirm acceptance and compliance with the Integrity Agreement in letter and spirit and further agree that execution of the said Integrity Agreement shall be separate and distinct from the main contract, which will come into existence when tender/ bid is finally accepted by Border Security Force. I/ We acknowledge and accept the duration of Integrity Agreement, which shall be in the line with Article 1 of the enclosed Integrity Agreement.

I/ We acknowledge that in the event of my/ our failure to sign and accept the Integrity Agreement, while submitting the tender/ bid, Border Security Force shall have unqualified, absolute and unfettered right to disqualify the tender/ bidder and reject the tender/ bid in accordance with terms and conditions of the tender/ bid.

Yours faithfully,

Signatures of Contractor

with seal and address

(to be signed by the bidder and same signatory competent / authorized to sign relevant contract on behalf of B.S.F.)

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## INTEGRITY AGREEMENT

This Integrity Agreement is made at **TC&S BSF Hazaribag** on this \_\_\_\_\_ of 2026

### BETWEEN

President of India represented through **Executive Engineer (Electrical), TC&S,BSF Hazaribag JH** {hereinafter referred as the Principal/ Owner (on behalf of **Inspector General TC&S BSF Hazaribag (JH)**)}, which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns}

### AND

through \_\_\_\_\_ (hereinafter referred to as the bidder/ contractor and which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

### **Preamble**

Whereas the Principal/ Owner has floated the tender (NIT No. **13/EE(E)/TC&S/ H-BAG/2025-26** (hereinafter referred as 'Tender/ Bid') and intends to award under laid down organizational procedure, contract for "SITC for 160 KVA DG set against the BER at Qtr Guard Gennator Room held in charge of TC&S, BSF Hazaribag." hereinafter referred to as "Contract"

And whereas the Principal/ Owner values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/ transparency in its relation with the Bidder(s) and Contractors(s).

And whereas to meet the purpose aforesaid both the parties have agreed to enter into this integrity Agreement (hereinafter referred to as "Integrity Pact" or "Pact"), the terms and conditions of which shall also be read as integral part and parcel of the Tender/Bid documents and contract between the parties.

Now, thereof, in consideration of mutual covenants contained in this Pact, the parties hereby agree as follows and this Pact witnesses as under:

### **Article 1: Commitment of the Principal/Owner**

- 1) The Principal/ Owner commit itself to take all measures necessary to prevent corruption and to observe the following principals:
  - a) No employee of the Principal/Owner, personally or through any of his/her family members, will in connection with the Tender, or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immediate benefit which the person is not legally entitles to.
  - b) The Principal/ Owner will, during the Tender process, treat all Bidder(s) with equity and reason. The Principal/ Owner will, in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/ additional

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information through which the Bidder(s) could obtain an advantage in relation to the Tender process or the Contract execution.

- c) The Principal/ Owner shall endeavour to exclude from the Tender process any person, whose conduct in the past has been biased nature.
2. If the Principal/ Owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal Code (IPC)/Prevention of Corruption Act, 1988 (PC Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, the Principal/ Owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

**Article 2: Commitment of the Bidder(s) / Contractor(s)**

- 1) It is required that each Bidder/ Contractor (including their respective officers, employees and agents) adhere to the highest ethical standards, and report to the Government/ Department all suspected acts of fraud or corruption or Coercion or Collusion of which it has knowledge or becomes aware, during the tender process and throughout the negotiation or award of a contract.
- 2) The Bidder(s)/ Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during the participation in the Tender process during the Contract execution:
  - a) The Bidder(s)/ Contractor(s) will not directly or through any other person or firm, offer, promise or give to any of the Principal/ Owner's employees involved in the tender process or execution of the Contract or to any third person any material or other benefit which he/ she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contract.
  - b) The Bidder(s)/ Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelise in the bidding process.
  - c) The Bidder(s) / Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(s)/ Contractor(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal / Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
  - d) The Bidder(s)/ Contractor(s) of foreign origin shall disclose the names and addresses of agents/ representatives in India, if any. Similarly, Bidder(s)/ Contractors(s) of Indian nationality shall disclose names and addresses of foreign agents/ representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in the tender but not both. Further, in cases where an agent participates in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent / parallel tender for the same item.
  - e) The Bidder(s) / Contractor(s) will, when presenting his bid, disclose (with each tender) any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.

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- 3) The Bidder(s) / Contractor(s) will not instigate third persons to commit offences outlined above or by an accessory of such offences.
- 4) The Bidder(s) / Contractor(s) will not directly or through any other person or firm indulge in fraudulent practice means a wilful misrepresentation or omission of facts or submission of fake/ forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and / or to influence the procurement process to detriment of the Government interests.
- 5) The Bidder(s) / Contractor(s) will not, directly or through any person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his / her reputation or property to influence their participation in the tendering process).

### **Article 3: Consequences of Breach**

Without prejudice to any rights that may be available to the Principal/ Owner under law or the Contract or its established policies and laid down procedures, the Principal / Owner shall have the following rights in the case of breach of this Integrity Pact by the Bidder(s) / Contractor(s) and the Bidder / Contractor accepts and undertakes to respect and uphold the Principal / Owner's absolute right:

- 1) If the Bidder(s) / Contractor(s) either before award or during execution of Contract has committed a transgression through a violation of Article 2 above or in any form, such as to put his reliability or credibility in question, the Principal / Owner after giving 14 days' notice to the contractor shall have the powers to disqualify the Bidder(s) / Contractor(s) from the tender process or terminate / determine the Contract, if already executed or exclude the Bidder / Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal / Owner. Such exclusion may be forever or for a limited period as decided by the Principal / Owner.

- 2) **Forfeiture of EMD / Performance Guarantee / Security Deposit:**

If the Principal / Owner has disqualified the Bidder(s) from the tender process prior to the award of the Contract or terminated / determined the Contract or has accrued the right to terminate / determine the Contract according to Article 3(1), the Principal / Owner apart from exercising any legal rights that may have accrued to the Principal / Owner, may in its considered opinion forfeit the entire amount of Earnest Money Deposit, Performance Guarantee and Security Deposit of the Bidder / Contractor.

- 3) **Criminal Liability:**

If the Principal / Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of Indian Penal Code (IPC)/ Prevention of Corruption Act, or if the Principal / Owner has substantive suspicion in this regard, the Principal / Owner will inform the same to law enforcing agencies for further investigation.

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**Article 4: Previous Transgression**

- 1) The bidder declares that no previous transgressions occurred in the last 5 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central / State Public Sector Enterprises in India that could justify his exclusion from the Tender process.
- 2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the Tender process or action can be taken from banning of business dealings / holding listing of the Bidder / Contractor as deemed fit by the Principal / Owner.
- 3) If the Bidder / Contractor can prove that he has resorted / recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal / Owner may, at his own discretion, revoke the exclusion prematurely.

**Article 5: Equal Treatment of all Bidders/ Contractors/ Sub contractors**

- 1) The Bidder(s) / Contractors(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder / Contractor shall be responsible for any violation(s) of the principles laid down in this agreement / Pact by any of its Sub-contractors / Sub- vendors.
- 2) The Principal / Owner will enter into Pacts or identical terms as this one with all Bidders and Contractors.
- 3) The Principal / Owner will disqualify Bidders, who do not submit, the duly signed Pact between the Principal / Owner and the bidder, along with the Tender or violate its provisions at any stage of the tender process, from the Tender process.

**Article 6: Duration of the Pact**

This pact begins when both the parties have legally signed it. It expires for the Contractor / Vendor 12 months after the completion of work under the contract or till the continuation of defect liability period, whichever is more and for all other bidders, till the contract has been awarded.

If any claim is made / lodged during the time, the same shall be binding and continue to be valid despite the lapse of this Pacts as specified above, unless it is discharged / determined by the Competent Authority, BSF.

**Article 7: Other Provisions**

- 1) This Pact is subject to Indian Law, place of performance and jurisdiction is Hazaribag Jharkhand ).
- 2) Changes and supplements need to be made in writing. Side agreements have not been made.
- 3) If the Contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one holding power of attorney signed by all partners and the consortium members. In case of a company, the Pact must be signed by a representative duly authorized by board resolution.
- 4) Should one or several provisions of this Pact turn out to be invalid; the reminder of the Pact remains Valid. In this case, the parties will strive to come to an agreement to their original intentions.

AE(E)

EE(E )

- 5) It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Integrity Agreement / Pact, any action taken by Owner/ Principal in accordance with this Integrity Agreement / Pact or interpretation there of shall not be subject to arbitration.

**Article 8: Legal and Prior Rights**

All rights and remedies of the parties hereto shall be in addition to all the other legal rights and remedies belonging to such parties under the Contract and/ or law and the same shall be deemed to be cumulative and not alternative to such legal rights and remedies aforesaid. For the sake of brevity, both the parties agree that this Integrity Pact will have precedence over the Tender / Contract documents with regard any of the provisions covered under this Integrity Pact.

IN WITNESS WHEREOF the parties have signed and executed this Integrity Pact at the place and date first above mentioned in the presence of following witnesses:

(For and on behalf of Principal / Owner)

(For and on behalf of Bidder/ Contractor)

AE(E)

EE(E )

**GOVERNMENT OF INDIA**  
**Training centre & School BSF Meru, Dist- Hazaribag (JH)-825317**

**PERCENTAGE RATE TENDER & CONTRACT FOR WORKS(CPWD-7)**

Tender for the work of "SITC for 160 KVA DG set against the BER at Qtr Guard Generator Room held in charge of TC&S, BSF Hazaribag."

- i) E-Tenders to be submitted by **1130 Hrs** on **---/0--/2026** in the office of Assistant Engineer (Electrical) TC&S BSF Hazaribag.
- ii) E-tenders to be opened at **1130 Hrs** on **----/----/2026** in the office of Assistant TC&S BSF Hazaribag by the Board of officers to be detailed by Competent Authority.

**TENDER**

I / We have read and examined the notice inviting tender, schedule, A, B, C, D, E& F, specifications applicable, drawings & designs, General rules and directions, Conditions of Contract, clauses of contract, Special conditions, Schedule of rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender documents for the work.

I / We hereby tender for the execution of the work specified for the President of India within the time specified in Schedule 'F', viz., schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to the Rule – 1 of General Rules and Directions and in Clause 11 of the Conditions of Contract and with such materials as are provided for, by, and in respects in accordance with, such conditions so far as applicable.

I/We agree to keep the tender open for **Ninety (90)** days from the date of opening of financial bid and not to make any modification in its terms and conditions.

A sum of **₹ 54,369/-** is hereby forwarded in Demand Draft or Fixed Deposit Receipt of a scheduled bank as earnest money. If I / We fail to furnish the prescribed performance guarantee within prescribed period, I / We agree that President of India or his successors in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/ We fail to commence work as specified, I / We agree that President of India or his successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. The said performance guarantee shall be guarantee to execute all the works referred to those in excess of that limit at the rates to be determined in accordance with the provisions contained in Clause 12.2 and 12.3 of the tender form. Further I/ We agree that in case of forfeiture of earnest money or performance guarantee as aforesaid, I / We shall be debarred for participation in the retendering process of the work.

I/ We undertake and confirm that eligible similar work(s) has / have not been executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of the Department, then I / We shall be debarred for tendering in BSF in future forever. Also, if such a violation comes to the notice of Department before date of start of work, The Engineer-in-charge shall be free to forfeit the entire amount of earnest money / performance guarantee.

I / We hereby declare that I / We shall treat the tender documents drawings and other records connected

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with the work as secret/ confidential and shall not communicate information/ derived there from to any person other than a person to whom I / We am / are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

Dated: \_\_\_\_\_

\_\_\_\_\_  
Signatures of Contractor with postal address

### **ACCEPTENCE**

The above tender (as modified vide letters mentioned hereunder) is accepted by me for and on behalf of the President of India for a sum of Rs. \_\_\_\_\_ ( \_\_\_\_\_ )  
\_\_\_\_\_ ).

The letters referred to below shall form part of this contract Agreement.

- i)
- ii)
- iii)
- iv)

For and on behalf of the President of India

Dated: \_\_\_\_\_.

Executive Engineer (Elect.)  
TC&S BSF Hazaribag

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**SCHEDULES****SCHEDULE 'A'**

Schedule of quantities (Enclosed) : As per schedule of work attached.

**SCHEDULE 'B'**

Schedule of materials to be issued to the contractor.

S. No.	Description of item	Quantity	Rates in figures & words at which the material will be charged to the contractor	Place of issue
<b>NIL</b>				

**SCHEDULE 'C'**

Tools and plants to be hired to the contractor

S. No.	Description	Hire charges per day	Place of Issue
<b>NIL</b>			

**SCHEDULE 'D'**

Extra schedule for specific requirements/document for the work, if any : As per additional conditions & specifications attached

**SCHEDULE 'E'**

Reference to General Conditions of contract : General conditions of contract for CPWD works - 2014 With amendment issued up to date of call of tender

Name of Work : [SITC for 160 KVA DG set against the BER at Qtr Guard Generator Room held in charge of TC&S, BSF Hazaribag.](#)

(i) Estimated cost of work : **₹ 27,18,440/-**

(ii) Earnest Money : **₹ 54,369/-** (To be returned after receiving performance guarantee)

(iii) Performance Guarantee : 5% of tendered value

(iv) Security Deposit : 2.5% of tendered value

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**SCHEDULE 'F'****General Rules & Directions**

Officer inviting tender : Executive Engineer (Elect.), TC&S BSF Hazaribag).

Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2, 12.3 : See below

## Definitions:

2(v) Engineer-in-Charge : Executive Engineer (Elect.), TC&S BSF Hazaribag

2(viii) Accepting Authority : Executive Engineer (Elect.), TC&S BSF Hazaribag

2(x) Percentage on cost of materials and labour to cover all overheads and profits : 15%

2(xi) Standard Schedule of Rates : **DSR/25-(E&M) & Market rate**

2(xii) Department : Border Security Force

9(ii) Standard CPWD Contract Form : CPWD form –7 as modified and corrected up to date of call of tender

**Clause 1**

(i) Time allowed for submission of Performance Guarantee Programme Chart (Time and progress) and applicable labour licenses, registration with EPFO, ESIC and BOCW welfare board or proof of applying thereof from the date of issue of letter of acceptance : 10 days

(ii) Maximum allowable extension with late fee @ 0.10% per day of performance guarantee beyond the period as provided in (i) above : 10 days

**Clause 2**

Authority for fixing compensation under clause 2 : Superintending Engineer, FHQ BSF New Delhi

**Clause 2A**

Whether Clause 2A shall be applicable : No

**Clause 5**

Number of days from the date of issue of letter of acceptance for reckoning date of start

: 10 days

**Milestone(s) :-**

S.No.	Description of Milestone (Physical Progress)	Time allowed (From date of start)	Amount to be with-held in case of non-achievement of milestone
1.	1/8 <sup>th</sup> (of whole work)	1/4 <sup>th</sup> (of whole work)	In the event of not achieving the necessary progress as assessed from the running payments, 1% of the tendered value of work will be withheld for failure of each milestone
2.	3/8 <sup>th</sup> (of whole work)	1/2 <sup>th</sup> (of whole work)	
3.	3/4 <sup>th</sup> (of whole work)	3/4 <sup>th</sup> (of whole work)	
4.	Full	Full	

Time allowed for execution of work

: **30 Days**

Authority to decide

:

(i) Extension of time

: Executive Engineer (Elect.), TC&S BSF Hazaribag

(ii) Rescheduling of mile stones

: Executive Engineer (Elect.), TC&S BSF Hazaribag

(iii) Shifting of date of start in case of delay in handing over of site

: Executive Engineer (Elect.), TC&S BSF Hazaribag

**Clause 6, 6A**

: Clause 6

**Clause 7**

Gross work to be done together with net payment / Adjustment of advances for material collected, if any since the last such payment for being eligible to interim Payment

: Not Applicable

**Clause 7 (A)**

Running Account Bill shall be paid for the work.

: **Yes**

**Clause 10A**

List of testing equipment to be provided by the contractor at site lab

: Not Applicable

**Clause 10B (ii)**

Whether Clause 10 B (ii) shall be applicable

: No

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**Clause 10C**

Component of labour expressed : 25 %  
as percent of value of work

**Clause 10CA**

Material covered under this clause	Nearest Materials (other than cement, reinforcement bars and the structural steel) for which All India Wholesale Price Index to be followed	Base Price of all Materials covered under clause 10 CA*
Not applicable		

**Clause 10CB**

Clause 10 CB to be applicable in contracts with stipulated Period of completion exceeding the period shown in next column : Not applicable

**Clause 11**

Specifications to be followed : CPWD specification for electrical work for execution of work part – I (Internal) 2024, Part – II (External) 1994 as amended up to date of receipt of tender

**Clause 12**

: **Type of work – Electrical Work**

12.2. & 12.3

Deviation Limit beyond which Clauses shall apply for building work : 30%

12.5

Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for foundation work : Not applicable

**Clause 16**

Competent Authority for deciding reduced rates : Superintending Engineer, FHQ BSF New Delhi

**Clause 18**

List of mandatory machinery, tools & plants to be deployed by the contractor at site : All tools & plants as required to carry out the electrical maintenance work

**Clause 25**

<b>Constitution of Dispute Redressal Committee (DRC)</b>	<b>Competent Authority to appoint DRC</b>
DRC shall constitute one Chairman and two Members	Chief Engineer or Inspector General BSF if there is no Chief Engineer

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EE (E )

**Clause 31** : water charges will be recovered from each running and final bill, if provided by department.

**Clause 36 (i)**

Requirement of Technical Representative(s) and recovery Rate

S. N.	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical/ Technical Representative)	Minimum Experience	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 36(i)	
						Figures	Words
1	Graduate Engineer	Electrical	Principal Technical Representative	2 Years	ONE	Rs. 20,000/- PM.	Rupees twenty thousand Per Month
	Or Diploma Engineer	Electrical	Principal Technical Representative	5 Years			

Assistant Engineers retired from Government services that are holding Diploma will be treated at par with Graduate Engineers

**Clause 42** : Not Applicable for Electrical works

**RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION:**

S. No.	Description of item	Rate in figures and words at which recovery shall be made from the contractor	
		Excess beyond permissible variation	Less use beyond permissible variation
1	Cement	N.A.	N.A.
2	Steel reinforcement		
3	Structural sections		
4	Bitumen issued free		

Assistant Engineer (Elect.)  
TC&S BSF Hazaribag

Executive Engineer(Elect.)

**Schedule of work**

S/No	Description of work	Unit	Qty	Rate	Amount
1	<p>Supply, installation, Testing &amp; Commissioning of 'Silent Type Diesel Generating set as per CPCB IV + or better norms along with having Prime Power Rating of 160 KVA, 415 volts at 1500 RPM, 0.8 lagging power factor at 415 V suitable for 50 Hz, 3 phase system &amp; for 0.85 Load Factor, including testing at factory and site with fuel, load for test and other necessary arrangements Complete as per CPWD specifications, should have QR code which should contain drawing, test report OEM manual, GeoTag of manufacturing location, rating plate as per relevant IS Code etc. and consisting of the followings:</p> <p>(A) Diesel Engine: Turbocharged Diesel engine 4 stroke water cooled, multi cylinder, dynamically balanced fly wheel, electric start of suitable BHP at 1500 RPM suitable for above output of alternator at 40 Degree C, 50% RH &amp; at 1000 Meter MSL, capable of taking 10% over loading for one hour after 12 hours of continuous operation. The engine will be with Electronic governor, Dry type Air filter with service indicator, first filling of engine fuel (after commissioning) lubricating Oil, Coolant and other consumables complete with all the required accessories, the Electronic governor shall be as per ISO 8528. The engine shall comply to the latest CPCB norms (CPCB IV + or better) and Conforming to BS 5514, BS 649, IS 10000, IS 10002, IS 13018 and as per CPWD specifications.</p> <p>(B) Engine mounted Instrument Panel fitted with and having digital display for following:</p> <p>(i) Start-stop switch with key  (ii) Water temperature indication  (iii) Lubrication oil pressure indication  (iv) Lubrication oil temperature indication  (v) Battery charging indication and Voltage indication  (vi) RPM indication  (vii) Over speed indication  (viii) Low lubrication Oil trip indication  (ix) Engine Running Hours indication  (x) Fuel Level</p>	Nos	1	12,49,613.00	12,49,613.00

<p>(C) Alternator: Synchronous alternator rated of appropriate KVA, 415 volts at 1500 RPM, 3 phase 50 Hz, AC supply with 0.8 lagging power factor at 40 Degree C, 50% RH &amp; at 1000 Meter MSL. The alternator shall be having Screen Protected Drip Proof (SPDP) enclosure IP23, brushless, continuous duty, dynamically balanced rotor, capable of taking 10% over loading for one hour after 12 hours of continuous operation, self cooled, self-excited and self-regulated through AVR conforming to IS13364(Part 2)/IS: 4722/BS 2613 suitable for tropical conditions and with class-H insulation.(D) Base Frame &amp; Foundation: Both the engine and alternator shall be mounted on suitable base frame made of MS channel with necessary reinforcement which shall be installed on suitable cement concrete foundation and vibration isolation arrangement as per recommendations of manufacturer.(E) FUELTANK:Daily service fuel tank of suitable liters capacity as per CPWD Specifications, fabricated out of 3 mm thick M.S. sheet complete with all standard accessories and fuel piping between fuel tank and diesel engine with MS class 'C' pipes of suitable dia. Complete with valves, level indications &amp; accessories as required as per specifications.(F) Exhaust System: Dry exhaust manifold with hospital type exhaust silencer and catalytic convertor.(G) Starting System: 12V/24V DC starting system comprising of starter motors: voltage regulator and arrangement for initial excitation complete with suitable numbers of batteries (180 AH capacity lead acid SMF type) as required as per specifications. The battery shall be housed inside the acoustic enclosure of DG Set.</p>				
<p>(H) Acoustic and weather proof enclosure with arrangement for fresh air intake for cooling of the engine &amp; alternator, extraction, discharging hot air in to the atmosphere and the temperature rise inside the enclosure, noise level outside enclosure. The acoustic enclosure should be suitable for cable connection/connection through bus-trunking. Such arrangements on acoustic enclosure should be water proof &amp; dust-proof conforming to IP-65 protection. The enclosure shall be as per CPCB IV + or better norms etc. and as per CPWD specifications. (I) AMF Panel: Free standing floor mounted IP 42 automatic mains failure control panel including auto by-pass, suitable for KVA as below for silent type DG set complete with relays, timers, set of CTs for metering &amp; protection and energy analyser to indicate currents, phase and line voltages, frequency, power factor, KWH, Kilo Volt Ampere Reative Hour (KVARH), KVA (Phase &amp; Total), KW &amp; provision for overload, short circuit, restricted earth fault, under frequency, power (aluminum) and control (copper ) cabling of suitable size upto 15 meter between AMF panel, LT Panel and DG Set including connection interconnection etc. as required, all complete and inter locking and communication/ Ethernet /RS485/SNMP port open protocol for BMS integration including suitable software, the panel shall be of DG Set OEM make etc. as per approved by Engineering in charge and including the following:</p>				

	1. Suitable numbers and appropriate capacity 4 pole motorised electrically operated draw out with cradle type 3 position ACB/ MCCB with electronic release for O/C & E/F and shunt trip.2. Auto/Manual/Test/Off selector switch3. Protection for under and over voltage phase reversal (2 nos Over voltage relay, 2 Nos. reverse power relay and 2 Nos. under voltage relay). 4. 3 Sets of current transformers 15 P10 accuracy for protection and 15 VAclass-I for metering5. Energy analyser unit to indicate current, Voltage( L-N & L-L), kW, kVA (Phase & Total), Frequency, KWH, PF.6. LED Indicating lamps for load on mains and load on set.7. Fuse/ MCB for instruments.8. Battery charger, complete with transformer/ rectifier, D.C. voltmeter and ammeter, selector switch for trickle, off and boost and current adjustment.9. Main supply failure monitor.10. Supply failure timer.11. Restoration timer12. Control unit with three impulse automatic engine start/stop and failure to start lockout.13. Impulse counter with locking and reset facility.14. ON/OFF/Control circuit switch with indicator15. Audio/Video annunciation for (i) High water temperature(ii) Low lubricating oil pressure(iii) Engine over speed(iv) Engine fails to start(v) Full load/maximum load warning				
	16. Protection for over/under Frequency, Loss of AC sensing, Over Current, Unbalancing load with suitable number of relays and accessories 17. Maintenance notification based on Engine Run Hour & due date. 18. Load Management through PLC to achieve auto opening and closing of incomer breakers, bus coupler switching of essential panel , interlocking providing signal to AMF Panel for load status and AMF shall give command to DG Set to auto start / auto stop depending upon load status and requirement etc. and necessary hardware and software required to perform the operation shall be provided by the contractor including all control wiring.				
	<b>Earthing</b>				
2	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	Set	4	8,351.00	33,404.00
3	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	Mtr	20	755.00	15,100.00
4	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	Mtr	10	287.00	2,870.00
	<b>Cabling And End Termination</b>				
5	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc.direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., complete as required.				
	90 mm dia (OD-90 mm & ID-76 mm nominal)	mtr	645.00	336.00	2,16,720.00
	120 mm dia (OD-120 mm & ID-103 mm nominal)	mtr	45.00	417.00	18,765.00
7	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	Mtr	678.92	50.00	33,946.00

8	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.				
	3½ X 120 sq. mm (45mm)	nos	2.00	710.00	1,420.00
	3½ X 240 sq. mm (62mm)	nos	2.00	1,160.00	2,320.00
9	Supplying and Laying of one number PVC insulated and PVC sheathed/ XLPE power cable of 1.1 KV grade as per IS 7098 (Part 1) 1988, armoured UG electric cable with aluminium conductor of size 3.5X120 sq.mm. in the existing RCC/ HUME/ METAL pipe as required. Make-Havells/L&T/Polycab/ KEI.	mtr	645.00	1,212.00	7,81,740.00
10	Supplying and Laying of one number PVC insulated and PVC sheathed/ XLPE power cable of 1.1 KV grade as per IS 7098 (Part 1) 1988, armoured UG electric cable with aluminium conductor of size 3.5X240 sq.mm. in the existing RCC/ HUME/ METAL pipe as required. Make-Havells/L&T/Polycab/ KEI.	mtr	45.00	2,249.00	1,01,205.00
	<b>Pannel</b>				
11	Supplying and fixing of 4 pole on load chage over switch including sheet steel enclosure of rating 400 A, including connection and testing as required Make Havells cat IHCNFE0400 or Equivalent L&T/Legrand/Siemens	Nos	1.00	41,855.00	41,855.00
12	Supply, Installation, Testing and Commissioning of double door, outdoor type, totally enclosed, dust and vermin proof, pedestal-mounted Main Feeder Pillar of suitable size but not less than 1500 mm (W) x 1500 mm (H) x 400 mm (D), fabricated from 2 mm thick CRCA sheet steel, having double doors in the front, front and rear sides openable with hinged-type double leaf doors and a tapered top on both sides, consisting of 400 Amps, 4-strip aluminium bus bars with heat shrinkable coloured sleeves duly supported on DMC/SMC bus bar supports at required intervals for full cross section, complete with detachable 3 mm thick CRCA sheet cable gland plates, earthing studs, separators, supports, and insulators, and suitable size terminal blocks for incoming and outgoing cables. Connections from MCCB to terminal blocks shall be made with solid aluminium bus bars/conductors, and incoming/outgoing cables shall be terminated on the terminal blocks. The entire feeder pillar shall undergo pre-paint treatment, phosphating, and powder coating with approved Siemens grey paint, suitable for operation on 433 V, 50 Hz, 3-phase, 4-wire A.C. supply system, complete in all respects including provision and fixing of all necessary mountings, internal wiring, interconnections, earthing, and accessories as required. Note: MCCBs and MCBs themselves, along with their fixing in the existing panel, are not included in this item and shall be covered separately. However, the feeder pillar shall be designed and fabricated to accommodate the following rating MCCBs and MCBs inside it, as specified below, including all necessary mounting space, bus bar arrangements, and terminal provisions. All other associated fittings, accessories, supports, terminations, and hardware are included in the scope of this item. The feeder pillar shall be provided with a pedestal made of 50 mm x 50 mm x 6 mm angle iron frame with 900 mm long legs, the four legs to be grouted in cement concrete 1:3:6 (1 Cement : 3 Coarse Sand : 6 Graded Stone Aggregate 40 mm nominal size) foundation, 60 cm below ground level and 30 cm above ground level, with embedded leg length not less than 450 mm, including plastering, finishing, and fixing of M.V. Danger notice plate	Nos	1.00	1,14,960.00	1,14,960.00

	on the front side, complete as required. (Drawing shall be got approved before fabrication of the panel.)				
	250 A, FP MCCB 36 KA (Incomer) 1 Nos				
	100 A, TP MCCB 16 KA (Outgoing) 6 Nos				
	Digital 3 line Pre-Wired Meter Module with Voltmeter, Ammeter, Frequency, KW, KVA, Ct's Control Fuse & Indicating Lights 1 No (Make: L&T/ABB/Siemens/Schenider/Legrand/Havells)				
	Indicator Lamp LED type, 03 Nos				
13	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, Ics=100% Icu and Operational Voltage 690V etc. as required				
	250 A,36KA,FPMCCB	Nos	1.00	18,372.00	18,372.00
	100 A, 16 KA,TPMCCB	Nos	6.00	4,003.00	24,018.00
14	Supply, Installation, Testing and Commissioning of double door, out door type totally enclosed, dust and vermin proof, pedestal mounted Main Feeder Pillar of suitable size but not less than 450 mm wide X 450 mm high X 300 mm (deep) fabricated from 2 mm thick CRCA sheet steel, having double door in the front, front and rearside openable hinged type door (double leaf), front and back tapered top, consisting of 200 Amps 4 strip aluminium bus bars with heat shrinkable coloured sleeves and including DMC / SMC bus bar supports at required intervals for complete cross section, complete with detachable cable gland plates made of 3 mm thick CRCA sheet, earthing studs, separators, supports and insulators. The feeder pillar should be provided with suitable size terminal blocks for incoming & outgoing cables. From MCCB to terminal blocks connection will be done with solid aluminium bus bar / conductor. Incoming / outgoing cables will be terminated in terminal blocks. Including pre paint treatment, phosphating and powder coating by approved Siemens grey paint, suitable for operation on 433 volt, 50 Hz, 3 phase, 4 wire A. C. supply system complete including providing and fixing the following mountings, switchgears and accessories therein, etc as required. The feeder pillar shall be supplied with suitable pedestal of 40mm x 40 mm x 5 mm angle iron frame with 400 mm long legs. The 4 legs of the above feeder pillar are to be grouted in cement concrete 1:3:6 (1 Cement :3 Coarse sand: 6 Graded Stone aggregate 40 mm nominal size) foundation 30 cms. below ground level and 30 cms. above ground including finishing etc (embedded legs, should not be less than 250 mm) including plastering complete as required as per specifications, M.V danger notice plate on front side (drawing will be get approved before fabrication of panel)	Nos	3.00	10,438.00	31,314.00
	Indicator Lamp LED type, 03 Nos				
	<b>Foundation</b>				
15	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
	All kinds of soils	cum	1.49	253.27	376.74
16	Centering and shuttering including strutting propping etc and emoval of form work for			0.00	

	Foundations, footings, bases of columns, etc. for massconcrete	cum	6.00	381.56	2,289.37
17	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :			0.00	
18	1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 40 mm nominal size derived from natural sources)	cum	3.72	7,570.23	28,151.80
	<b>Total Rs.</b>				27,18,439.91
	<b>Say Rs.</b>				<b>₹ 27,18,440.00</b>

-----% Above /Below on Estimated Cost

AC/AE(Elect.)  
TC&S BSF Hazaribag

Approved /Not Approved

Executive Engineer(Elect

**LIST OF ACCEPTABLE MAKES FOR EXECUTION OF THIS WORK**

	<b>Items</b>	<b>Makes</b>
01	FRLS PVC insulated copper conductor single core cable	Havells//Polycab/Finolex/RR Kabel/HPL/KEI
02	Telephone cable co-axial /TV cable/Lan Wire	Finolex/ Legrand /Anchor/ L&T/ Havells/ Polycab/
03	MS/PVC conduit& accessories	AKG/BEC/ RMCOM/ MKI/ Precision (ISI Marked)
04	DWC pipe	Duraline/Jain Irrigation/Avadhpoly tube/ Gemini/ISI approved
05	Modular switch socket/telephone socket/cable TV socket/data outlay socket/fan regulator/metal boxes/occupancy sensor	Legrand/Hager/Scheinder / Crab-tree(Havells) /L&T/Anchor
06	Industrial type switch and socket	Legrand/Hager/Scheinder / Crab-tree(Havells) /L&T/Anchor
07	GI pipe (Medium Class)	Tata/Jindal(Hissar)/Bansal- /SuryaPraksh/Utkarsh (ISI Marked)
08	Paints	Asian/Berger/Nerolac
09	Terminal blocks and connector	Elmex/ Connect well/FTC
10	Compact air insulated rising mains	Legrand/Schneider/L&T/Siemens/C&S
11	MCB, MCBDB, RCBO's/RCCB ,isolator, Sheet Steel enclosure	Schneider /Legrand/Siemens/Hager/ABB
12	MCCB/Timer	Schneider -CVS/Legrand/ ABB/Siemens
13	SFU,FSU, HRC fuses, cable management system/DLP trucking	Schneider/Siemens/C&S/HPL/Havells
14	Ammeter/Voltmeter/Multifunction Meter	Schneider/L&T/ELMESRE/Secure/HPL/AE
15	Selector switch	Kaycee/Vaishno/L&T
16	Changeover switch	HPL/Socomec
17	LED Indicating lamp	Schneider/L&T/Vaishno/ABB
18	Panel board/feeder pillar	Manufacturer have ISO 9001 certification/CPRI approved/
19	Energy meter/Intelligent energy meter/Multifunctional	Schneider/L&T/ ELMESRE/Secure/AE/ABB/HPL
20	Ceiling fan/exhaust fan (only energy efficient fans consuming $\geq 50$ W and $\geq 200$ for 1200 mm and 60 W and CMM $\geq 240$ for 1400 mm shall be used )	Ceiling Fan -Usha make (Model No - TECHNOAIR (BLDC 5 STAR(Minimum five year Warrantee/guarantee) or equivalent make Crompton/Havells /Baja/Orient /Almonard and Exhaust Fan Drift Air Crompton Make (Minimum two year Warrantee/guarantee) or equivalent make Havells /Baja/Orient Usha /Almonard
21	LED Street/Security/Flood Lights	Flood Light- Crompton Make Model No Rover Plus LED TFS-504-100-57-60D-SL-GL-NSG or equivalent make Philips/Bajaj/Havells/Wipro/HPL
22	LED Post top lantern	Philips/Bajaj/Crompton/Havells/Wipro/HPL
23	LED Batten Type Fitting/LED Tube/LED Ceiling Fitting/LED Mirror Light/LED Bulk head	LED Tube Light-Model trimlinea neu CCS-102-20-65-SL-DP-NWH Crompton MAKE (Minimum two year Warrantee/guarantee) or equivalent make Philips/Bajaj/Havells/Wipro/HPL
24	Lamps	Philips/Bajaj/Crompton/Wipro/Havells
25	Wall Bracket	Crompton/Havells/Philips/Bajaj/Wipro
26	Angle holder /batten holder	Anchor/Kinjal /Cona/ Precision/ISI Make
27	Geyser	Model Monza DX ,Lvory colour of Havells Make or equivalent make Racold/Crompton/Bajaj
28	Foot Valve, Sluice Valve /NRV/Gate valve/Butterfly Valve	Sant/leader/Kalpana/Zoloto/Kirloskar/Crescent
29	Ball, Gate, Globe Valve (Gunmetal/ISI marked)	Kirloskar/Sant/leader/Kalpana/Zoloto/Honeywell/Rapidcool/

		Castle/Emerald
30	PVC conduit i/c Accessories ISI marked	AKG/BEC/RMCOM/MKI/Precision/Polycab (ISI Marked)
31	Piano type switches/Sockets/TV/Telephone outlet (ISI mark)	Anchor/Kinjai/Cona/SSK// ISI make
32	ACB	Seimens 3 WL/ L&T U-Power Omega/ Scheinder easy pact (MVS) /Legrand/ABB-Tmax
33	Protection Relays	L&T/Siemens/Minilec/PIC
34	Phenolic laminated sheet ISI marked	Hylum/Formika/Fine/Anchor
35	Transformer	Kirloskar/ESTS,Power/Sudhir Energy/SERVOKON//ABB/VOLTAMP/SCHNEIDER /Transformers & Electricals(India)
36	CTs/PTs 15 VA Class-I	Kappa/Rishab/AE/L&T/Logistate
37	MCB Protected Socket	Anchor/Havells/C&S/Scheinder/Legrand/Anchor-Penta/HPL
38	Battery	Exide/Amron/Sukam/Okaya
39	Alarm/Hooter 12V, Response Indication, Fire Alarm panel, Dector,MCP	Bosch/Siemens/Esser/Edwards/Vaishno
40	HDPE pipe	Duraline/Sudhakar/Supreme/Ajaplas/Prince/Rex/ISI make
41	Out door type Cable loop box	Hensel/Cape/Sintex
42	Solar street light with octagonal pole	Havells/Crompton/Polycab/Axxon or other MNRE Approved manufacturer
43.	UG Cable aluminum armoured Cable 1100 V grade	Havells/RR Kabel/Polycab/Gloster/HPL
44	Capacitor	Epcos/L&T/ Schendier/Neptune
45	Thimble/ Lugs& Cable glands	Dowells/Jainsons//Action/Wago/Gripwell/Cornet/Polycab
46	Rising Mains	L&T/C&S/Zeta/Tricolite
47	Octagonal Pole	Bajaj/Crompton/Volment/Transrail
48	Water supply pump and fire pump	Kirloskar/Cromton/Colama/KSB/Texmo/Maller& Plant
49	Fire Extinguishers	Minimax/Lifeguard/Fire shield/Cease fire/D-flame
50	Star Delta Starter	L&T/Siemens/BCH/Scheinder
51	MS Pipe C Class	Tata/Jindal-Hissar/ Bansal/Utkarsh (ISI)
52	Lift	Otis/Koe/Johnson Lifts Pvt Ltd/Mitsubishi/Scheinder
53	M S Cable tray	Elcon/ GRENT/ Hutaib/Cable Tech
54	Anti Vibration Mountings	Dunlop/Resistoflex
55	Cable joints and end termination	Rayschem/3M/Klip Seal/Venus/Denson
56.	Bus Bar	Standard/Havells/HPL/L&T
57	Solar inverter/charge controller	Enertech/Luminous/PPS/SMA/Neowatt or other MNRE approved Manufacturer
58	SPV panel	BEL/BHEL/TATA/Vikaram/Usha or other MNRE approved Manufacturer
59	Sine wave inverter	Microtech/Luminous/Exide/Sukam or as per MNRE approved manufacturer
60	Engine	Cummins / Ashok Leyland / Mitsubishi / Mahindra & Mahindra/ Kirloskar / Greaves
61	Alternator	Cummins / Kirloskar / Crompton Greaves / Stamford / Leroy Somer
62	Anti Vibrations Mountings	Dunlop / Polybond
63	Batteries	Exide / Faruken / Standard / Amco / Manufacturer's make
64	Relays	As per standard practice of manufacturer
65	Acoustic Enclosure	Manufactured by OEM only.
66	M.S Pipes	Tata / Jindal (Hissar)
67	Engine	Cummins / Ashok Leyland / Mitsubishi / Mahindra & Mahindra/ Kirloskar / Greaves

68	Air Circuit Breaker, MCCB, MCB, Contactor etc.	ABB / Siemens / Schneider / Legrand / L&T
69	AMF PANEL	Manufactured by OEM only.
70	Selector Switch	ABB / Siemens / Schneider / Legrand / L&T / Kaycee / BCH
71	Digital type Ammeter / Voltmeter / Multifunction meter	ABB / Siemens / Schneider / Legrand / L&T / Automatic Electric / Kappa
72	LED Type Indicating Lamps	ABB / Siemens / Schneider / Legrand / L&T
73	Push Buttons	ABB / Siemens / Schneider / Legrand / L&T
74	CT / PT	As per manufacturer's practice.
75	LT Cable / FRLS PVC insulated copper conductor (ISI Marked)	As per Part C-1
76	Air Circuit Breaker, MCCB, MCB, Contactor etc.	ABB / Siemens / Schneider / Legrand / L&T

Preference to PPP-M – II Policy (Make in India):

- (i) The Government has issued public procurement policy (Preference to Make in India) vide Ministry of Commerce and Industry Development of industrial policy and promotion (PPS) vide order No.P-45021/2/2017-PP BE-II dated 28.05.2018, to—Encourage Make in India; and
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- (ii) to promote manufacturing and production of Goods and services in India with a view to enhancing income and employment. BSF EE Elect has decided to implement this policy.
- (ii) The agency shall submit list of makes of materials proposed to be used on the work from local suppliers (as defined in the above order dated 28.05.2018) along with minimum local content as specified below for approval of the department out of the approved makes kept in the tender.
- (iii) The department will be approving only makes of the materials having a minimum local content of 50% for use on this work, out of the preferred makes list.
- (iv) The minimum local content of 50% is considered for the complete item including labour component. The agency shall obtain the certificate for all items except for sundry items

Assistant Engineer (Elect.)  
TC&S BSF Hazaribag

Executive Engineer(Elect.)

**OTHERS TERMS****General Classes:-**

1. The work shall be carried out as per direction and to the entire satisfaction of the BSF Engineer in Charge and as per relevant CPWD General Specification for Electrical Works and IE Rules 1965 as amended up to date and other relevant act, rules and local byelaws as applicable.
2. Wherever makes of materials are not mentioned in the schedule of work / additional condition & specification of the work, the contractor shall quote clearly the make of materials in his tender. If it is not mentioned so, makes of the materials shall be decided by the Executive Engineer (E), & decision of the Engineer in Charge shall be final & binding.
3. The contractor will ensure that all the skilled persons managed/deployed for executing the electrical work possess the wireman license issued by approved authorities. Consequences arising due to the default of the contractor to comply with this condition would be contractor's responsibility only.
4. The contractor will make his own arrangement for storage of material arranged by him, and material issued from the department. The material, if issued, shall be issued to him from store of the engineering branch. The watch and ward of the materials and of the installations would be responsibility of the contractor till the work is completed & handed over to the client department. Nothing extra shall be paid to the contractor on this account. The contractor shall make his own arrangement for carriage of materials, fittings, cables etc. issued to him departmentally from the site store to the site of work at his own cost. Nothing extra shall be paid on this account.
5. All hardware, fastening material viz. nuts, bolts, washers and screws etc. to be used on work shall be of Zinc / cadmium plated iron.
6. All the material should be ISI marked wherever not specified, if ISI marked material is not available it should be conforming to BIS specification amended up to date, approval of Engineer in Charge in such case shall be final & binding to contractor.
7. The contractor shall have to furnish the insulation test report, earth report, along with all required details of electrical load on the prescribed Performa for the electric connection from Supply Company.
8. The contractor shall submit the completion certificate and completion plan as per Clause 1.26 of General specifications for Electrical Works Part-I &II, Internal 2023 after completion of work.
9. All earthing material (GI plate, strip, wire) should be hot dip galvanized. All concealed works and earthing shall have to be done in the presence of Engineer-in-Charge or his authorized representative.
10. The department reserves the right to inspect the Panel Boards at the manufacturer's premises for which the contractor should give 15 days advance notice.

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11. The field units may also purse with contractors of the existing contract to make payment to the labour by contractor through Bank or ECS or online transfer also.
12. The OEM shall unconditionally support the lowest tenderer technically throughout the execution of contract as well as for Maintenance / comprehensive maintenance contract for the useful life of the system.
13. OEM shall provide all the spares required for healthy functioning of the equipment for at least seven years from the date of supply of equipment.
14. Acceptable makes of materials to be used in the work are as under. However approval of the makes of material out of acceptable make shall be got from Engineer-in-Charge.
15. All materials and equipment's supplied by the contractor shall be new. They shall be of such design, size and materials as to satisfactorily function under the rated conditions of operation and to withstand the environmental conditions at site.
16. Inspection of materials/ equipment's to be witnessed at the manufacturer's premises in accordance with relevant BIS/ Agreement Inspection Procedure.
17. To receive materials at site with Manufacturer's Test Certificate(s) NABL Certificated lab .
18. Similarly, for fabricated equipment's, the contractor will first submit dimensional detailed drawings for approval before fabrication is taken up in the factory. Suitable stage inspection at factory also will be made to ensure proper use of materials, workmanship and quality control.
19. Good workmanship is an essential requirement to be complied with. The entire work of manufacture/ fabrication, assembly and installation shall conform to sound engineering practice.
20. The installation will be handed over to the Department after necessary testing and commissioning. The installation will be guaranteed against any defective design/ workmanship. Similarly, the materials supplied by the contractor will be guaranteed against any manufacturing defect, inferior quality. The guarantee period will be for a period of 12 months from the date of handing over to the Department. Installation/ equipment's or components thereof shall be rectified/ repaired to the satisfaction of the Engineer-in-charge.
21. The agency shall provide the services with manpower for throughout the month and shall ensure mandatory duties are enumerated as follows
  - a) The manpower as engaged shall have the requisite qualification relevant to the services to be provided
  - b) Visit each and every site for proper monitoring of the work and control.
  - c) Keep better liaison with the BSF authority, with time to time interaction.
  - d) Ensure pro activeness towards attending the day to day complaints after due consultation with the site Engineer-in-charge.
  - e) Ensuring the code of conduct to every staff at different sites.
22. The agencies are requested to visit the site before quoting the rates.
23. No T & P shall be issued by the department. The contractor shall arrange for all tools, plants and instruments required for execution of work.
24. Providing Service for attending Day to day maintenance of different E&M services at different locations as listed by attending complaint & overall look after (in one shift).
25. The contractor shall arrange the following amenities for staff employed for the sites.
  - a) One set of shoe, gumboot along with pair of sock per annum shall be issued to each staff.
26. The contractor shall have to maintain attendance register of his staff engaged in the work, log book for Day to Day maintenance of the installations and other statutory register as per contract clauses which will be verified from time to time by the Junior Engineer (Elect) of the department, Necessary register will be supplied by the agency for this purpose for which nothing extra shall be paid.

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27. The measurement shall be done in CMB (Computerized Measurement Book as per provision to Clause 6A of GCC- 2020.
28. Relevant labour laws shall be complied with by the contractor during execution of work.
29. The rates for all items of work shall, unless clearly specified otherwise, include cost of all labours. Materials and others inputs involved in the execution of the item and inclusive of all local taxes and duties of Central and State Government as in force from time to time nothing extra will be entertained.
30. According to the building and other construction workers Cass Act1996, Case will be deducted from each bill of the contractor at the prevailing rate as per rule. Income tax shall also be deducted at the prevailing rates as per rules.
31. The agency has to follow all labour laws of the country in force. If any labour claim is revived regarding the work, it will be borne by the agency as no labour complaint will be accepted by the department.
32. The agency should provide a record available at site form which the deployment of works and their presence can be verified by the Engineer - in - Charge of his authorized representatives
33. In case of emergency beyond duty hours, if any fault occurs, the agency shall have to attend / rectify the same for which no additional payment will be made by the deployment.
34. Any damaged to the equipment's and structure due to negligence shall have to be got repaired by the agency at his cost. The decision of the Engineer in -charge is final and binding in this regard.
35. The firm must have to maintain one First Aid Kit Box with require medicine etc which is to be verified by the Engineer in charge or his authorize representatives in regular basis.
36. No advance payment will be made, However payment will be made at convenient intervals for the value of work done
37. After the work is awarded the contractor would be required to furnish the name Father's name qualification local address of the staff and antic of the staff proposed to be employed by him for the Job.
38. The department (BSF) shall not have any responsibility or liability in case of any accidental consequences to the personnel of the contractor at work site or to the general public at the work site. The responsibilities and liabilities for such events shall be borne by the contractor.
39. After completion of work the agency shall remove the men, T& Ps and materials provided by them if they do not happen to be the lowest in the next successive year. No claim for continuance of the same people / workmen in the work beyond the contract period will be entertained.
40. Petty materials like cotton waste, PVC tape etc. is to be arranged by the firm at their own cost. Nothing extra will be paid on this account.

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41. In case of any damage to any equipment such as meter, indicating lamp, SDF etc. on account of negligence/fault of the contractor staff, the same shall be made good at their risk and cost. Failure to comply with this clause shall attract recovery from contractor bill.
42. The work or any part of the work may be cancelled / withdrawn if the performance of maintenance is not satisfactory or otherwise by giving advance information of one week. Only In this regard the decision of the Engineer –in –Charge will be final and no claim whatsoever on this account will be entertained.
43. Though the proposal has been made for recovery from the bill of the contractor in case of absence from duty by the workers deployed, but the contractor has to see that, immediately necessary substitute to be deployed in a pre- planned manner. The contractor has to submit the task book wherein the recorded of day to Day operation and maintenance activities as required shall be reflected. Non – compliance of these all shall be treated as unsatisfactory performance and there by contractor shall not be allowed further to purchase and participate in tendering process.
44. The engineer – in – charge may close the contract at any time before the completion of the stipulated period of the contractor without assigning any reason thereto and the contractor shall not have any financial or other compensatory claim for the same. However payment for the work done as per agreement shall be made proportionately, if otherwise done as per contract and to the satisfaction of the department.
45. Some restrictions may be imposed by the security staff etc. on the working and the movement of labour, materials etc. the contractor shall remain bound to follow all such restriction/ instruction and nothing extra shall be payable on this account.
46. In case, the tendering agency fails to comply with any statutory/taxation liability under appropriate law, and as a result thereof the office is put to any loss/obligation, monetary or otherwise, the office will be entitled to get itself reimbursed out of the outstanding bills or the Security deposit cum Performance guarantee of the agency, to the extent of the loss or obligation in monetary terms.
47. Unless otherwise provided in the schedule of quantities of the work the rates tendered by the contractor shall be all inclusive and shall apply to all heights, lifts. Leads and depths or the building and nothing extra shall be payable to him on this account.
48. Earth Test report will be provided by the firm to checked by earth tester properly as per clause 16.5.1 CPWD Electrical Specification .
49. Earthing Design as per CPWD clause 8.4.1(ii)
50. **DG set(A)**
  - (i) Suitable conditions are to be incorporated in the NIT to ensure compliance of following:
    - a. Makes of engine, alternator and AMF panel be incorporated in the NIT and it is to be ensured that the DG Set(s) and AMF panel of specified makes are procured from OEM/ OEA only.
    - b. Inspection and testing of DG set and AMF panel before dispatch
    - c. At the time of submission of tender document the contractor is submit:
      - (i) Written commitment from OEM/OEA to supply the DG Sets and delivery schedule as per requirement of department.
      - (ii) Certificate from OEM/OEA or authorized service provider of engine manufacturer for satisfactory installation and commissioning of DG Set after completion of the work.
      - (iii) Required Guarantee of DG Set as perfrom OEM/OEA in favour of Engineer-in-Charge to cover defect liabilities.
      - (iv) An undertaking that mandatory free service is carried out during the guarantee period by the authorized service provider of engine manufacture.

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**B. For Specialized E&M Original Works and other original E&M Works:**

1. It is stipulated in the NITs of Specialized E&M original Works and other original E&M Works, where ever required, that the lowest tenderer is submit, along with the performance guarantee after the acceptance of tender, an undertaking from the OEM regarding :

(a) Authorization certificate.

(b) The OEM is unconditionally support the lowest tenderer technically throughout the execution of contract as well as for Maintenance/ Comprehensive Maintenance Contract for the useful life of the system, and

(c) OEM provides all the spares required for healthy functioning of the equipment for at least seven years from the date of supply of equipment.

2. The condition that the specifications are vetted by the manufacturers for the specialized E&M works is not to be kept in the NITs as it amounts to restriction of competition.

3. NIT approving authority is include more number of approved makes (not limiting to 3 nos. only) in the NIT, while procuring items of general nature for which a large number of good manufactures are available in the market.

4. No condition is incorporated in the NIT's regarding visits of BSF Engineering officers within country or outside India to inspect equipments/materials/ stores where such expenditure is to be borne either by the contractor. Officers of the department may conduct inspection before dispatch of equipments/materials at manufacturer's works. The contractor has to arrange facilities for inspection of equipment's/ materials including conducting the required tests in the manufacturing unit.

However no condition is incorporated in the NIT regarding inspection of equipment's/ materials in the manufacturing unit located outside India without prior permission of DG BSF .

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