



**BORDER SECURITY FORCE**

**e – Tender Documents**

<b>NIT No.</b>	___ / SE(E)/Ftr Raj/2025-26
<b>NAME OF WORK</b>	Development and bulk services i.e Electrical works, Boundary wall, P/F main gates for 125 BN BSF(Now 48 BN) at 7-A Chhoti (New location) Sri Ganganagar (Raj) (SH: Internal EI & Fans & lighting in existing Substation Building).
<b>Estimated cost</b>	₹2,35,869/-
<b>Earnest Money</b>	₹4,717 /-
<b>Security Deposit</b>	2.5% of tendered amount.
<b>Performance Guarantee</b>	PG shall be 5% of tendered amount or ECPT (Whichever is higher). Where the tendered amount is less than eighty percent (80%) of the ECPT, the performance guarantee, in addition to the requirement under (a) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount.
<b>Time allowed for completion of the work</b>	45 Days
<b>Date and time of opening of E-tender</b>	_____ at 1130 Hrs

Certified that this tender paper contains 37 pages from **Srl No. 01 to 37** including cover.

**APPROVED/ NOT APPROVED**

**Commandant (Elect)/ SE (E)  
FHQ BSF New Delhi**

**INDEX**

<b>Sl. No.</b>	<b>Details</b>	<b>Page No</b>
1.	Press Notice (Notice Inviting e- tender)	3
2.	Information and instruction for bidders for e- tendering forming part of bid document and to be posted on website.	4 – 5
3.	Receipt of deposition of original EMD	6
4.	Warranty Undertaking by the contractor	9
5.	Notice Inviting Tenders (Form CPWD – 6)	10-12
6.	Tender Form (C.P.W.D.-8)	13-14
7.	Integrity Pact BSF	18-24
8.	Form of Earnest Money Deposit Bank Guarantee Bond	25
9.	General Conditions and Technical Specification	26-30
9.	List of Approved make	31-33
10.	Bidder's Option to receive payment through e payment (ESC/EFT/ Direct credit/ RTGS/NEFT/other payment mechanism as approved by RBI.	34
11	Schedule Of Quantity	35-37

**BORDER SECURITY FORCE**  
**Notice Inviting e-Tenders**

The Commandant (Elect)/ Superintendent Engineer, FHQ BSF New Delhi, on behalf of the President of India invites online **item rate** tenders from approved and eligible electrical contractors of respective department i.e (CPWD and non- CPWD contractors (i.e. Rajasthan State PWD / MES / P & T (BSNL) / Railways) in appropriate class, for the following work:-

**NIT NO. \_\_/ SE (E)/Ftr Raj/2025-26**

**NAME OF WORK :-** Development and bulk services i.e Electrical works, Boundary wall, P/F main gates for 125 BN BSF(Now 48 BN) at 7-A Chhoti (New location) Sri Ganganagar (Raj) (SH: Internal EI & Fans & lighting in existing Substation Building).

1. Estimated cost : ₹2,35,869/-
2. Earnest money : Rs.4,717/-
3. Period of Completion : 45 Days
4. Last date & Time of Submission of bid: \_\_\_\_\_ Upto 1100 HRS
5. Online opening date and time of eligibility criteria and bid: \_\_\_\_\_ at 1130 Hrs
6. The bid forms and other details can be obtained from the website [www.eprocure.gov.in](http://www.eprocure.gov.in)

Commandant/ SE (Elect)  
FHQ BSF New Delhi

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

(Inviting open tenders)

1. The Commandant (Elect)/ Superintendent Engineer, FHQ BSF New Delhi, on behalf of the President of India invites online **item rate** tenders from approved and eligible electrical contractors of respective department CPWD and non- CPWD contractors (i.e. Rajasthan State PWD / MES / P & T (BSNL) / Railways) in appropriate class, for the following work: -

SL. No.	NIT No.	Name of Work & Location	Estimated Cost put to tender	Earnest Money	Period of Completion	Last date & Time of submission of e-Tender	Time & date of opening of Tender
1	____/SE (E)/F/tr aj/ 2025-26	Development and bulk services i.e Electrical works, Boundary wall, P/F main gates for 125 BN BSF(Now 48 BN) at 7-A Chhoti (New location) Sri Ganganagar (Raj) (SH: Internal EI & Fans & lighting in existing Substation Building).	Rs. 2,35,869/-	Rs.4,717/-	45 Days	____ Up to 1100 Hrs	____ at 1130 Hrs

- The Intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
- Information and instructions for bidders posted on website shall form part of bid document.
- The tender document consisting plan, specifications, the schedule of quantities of various types of items to be supplied and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website <http://www.eprocure.gov.in> free of cost.
- Those contractors not registered on the website mentioned above, are required to get registered beforehand. If needed they can be imparted training on online bidding process as per details available on the website.
- The intending bidder must have valid class- III digital signature to submit the bid.
- On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
- Contractor can upload documents in the form of JPG format and PDF format.
- Contractor must ensure to quote rate of each item. The column meant for quoting rate 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 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). However, if a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above/below on the total amount of the tender or any section / sub-head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.
- The technical & commercial bid shall be opened first on due date and time as mentioned above and financial bid shall be opened only of those bidders whose other documents scanned and uploaded are found in order.
- 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 deemed suitable by it, if too many bids are received satisfying the laid down criterion.
- The tenderer should also read the General Conditions of Contract for CPWD Works 2014 amended upto correction slip no. DG/CON/293 dated 01/07/2016 which is available as Govt. of India Publications.

Addition:

Deletion:

Correction :

Overwriting

EE(E)

SE (E)

12. Tenders with any condition including that of conditional rebates in the tender document shall be rejected forthwith.
13. GST Sales tax/VAT, purchase tax, turn over tax, Excise duty, work contract tax or any other tax as applicable shall be paid by the contractor himself. The contractor shall quote his rates considering all such taxes.
14. Recording the hindrance on part of contractor in the hindrance register is mandatory which shall be reviewed in by AE (E) office at each running account bill. The net delay shall be worked out after taking into cognizance of hindrances on part of department and contractor both.
15. On the basis of their resources and methodology at the time of tendering as indicated in the table under clause of "Schedule-F" otherwise it will be assumed that the tenderer is agreeable to milestones mentioned in table.

**Earnest Money of Rs.4,429/- in the form of Treasury Challan or Demand Draft or Pay order or Banker's Cheque or Deposit at Call Receipt or Fixed Deposit Receipt (drawn in favour DIG SHQ BSF SGNR) will be deposit in the office of any BSF Establishment (i.e. Command HQ / Frontier HQ / Sector HQ / Training Centre/ Bn HQ) by the bidder and to collect receipt before the last date and time of bid submission. The scanned copy of receipt must be upload to the e-tendering website within the period of tender submission along with other required documents.**

16. **List of Documents to be scanned and uploaded within the period of bid submission: -**
  - i. Scanned Copy of receipt for deposition of original EMD issued from DDO / **Engg Officer** of any BSF Establishment (i.e. Command HQ / Frontier HQ / Sector HQ / Training Centre/ Bn HQ).
  - ii. Certificate of Firm's Enlistment / registration of CPWD, M.E.S, BSNL, Railways and State P.W.D. dealing with electrical works of buildings.
  - iii. **Valid Electrical Contractor license.**
  - iv. Certificate of Registration for GST and pan card
  - v. Work experience of similar nature.
  - vi. Undertaking that bidder is not blacklisted/ banned by any department
  - vii. Annual turnover of bidder of last three financial years and number of works in hand with tendered amount. Average annual turnover shall not be less than 30 % on ECPT of last three financial year as per Form-B
  - viii. **To become eligible for issue of bid, the bidders shall have to furnish an affidavit (Rs.100) as under:-**  
(as per Para 1.2.2 of SOP for CPWD Works Manual 2024) **(Form-C)**  
"I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back to back basis. Further, 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 the Earnest Money/Performance Guarantee".
  - ix. Warranty Under taking by the contractor (Form-D)
  - x. Scanned copy of NIT duly signed and stamp.

Commandant (Electrical)/ SE,  
FHQ BSF New Delhi

FORM-A

**FORMAT FOR DEPOSITING EARNEST MONEY**

Receipt of Deposition of Original EMD

Receipt No.....

Date.....

1.	Name of work	Development and bulk services i.e Electrical works, Boundary wall, P/F main gates for 125 BN BSF(Now 48 BN) at 7-A Chhoti (New location) Sri Ganganagar (Raj) (SH: Internal EI & Fans & lighting in existing Substation Building).
2.	NIT No	-----SE (E)/Ftr Raj/ 2025-26
3.	Estimated Cost	₹ 2,35,869/-
4.	Amount of EMD	₹ 4,717/-
5.	Last date of submission of bid	**** UPTO 1100 HRS

(To be filled by NIT approving authority at the time of issue of NIT and uploaded along with NIT)

**# To be filled by EMD receiving officer**

1.	Name of contractor #	
2.	Form/shape of EMD No & Date #	
3.	Amount EMD Deposit#	
4.	Date of submission of EMD#	

Signature, Name and Designation of EMD receiving officer along with office stamp

Addition:

Deletion:

Correction :

Overwriting

EE(E)

SE (E)

FORM-B

**INFORMATION ON AVERAGE ANNUAL TURNOVER**

1.	Name of firm	
2.	Address with telephone No. & E-mail id	
3.	GST NO.	

1.	Financial year	Annual Turnover (in INR)
2.	2022-23	
3.	2023-24	
4.	2024-25	

{To be printed on the letterhead of CA including full postal address, telephone and e-mail address}

Annual turnover data for last 03 years

This is to be certified that the firm has annual turnover in last three years

{This format should be certified by the registered Chartered Account of the bidder with seal, signature and address with UDIN should certify this format}

## FORM-C

(TO BECOME ELIGIBLE FOR ISSUE OF BID, THE BIDDERS SHALL HAVE TO FURNISH AN AFFIDAVIT AS UNDER)

(As per para 1.2.2 of SOP for CPWD works manual 2024)

**AFFIDAVIT FOR NON-EXECUTION OF WORKS ON BACK-TO-BACK BASIS**

**Name of work :** Development and bulk services i.e Electrical works, Boundary wall, P/F main gates for 125 BN BSF(Now 48 BN) at 7-A Chhoti (New location) Sri Ganganagar (Raj) (SH: Internal EI & Fans & lighting in existing Substation Building).

I/We undertake and confirm that eligible similar work(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 bidding in CPWD in or if it is found that any information has been concealed, then I / we shall be debarred for tendering in CPWD 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.

**NOTE: This Affidavit to be furnished on a 'non-judicial' stamp paper worth Rs.100/-**

Date:

Place:

**Signature of Bidder (s) or an authorized  
Officer of the firm with stamp & seal  
Signature of Notary with seal**

FORM-D

**Warranty Under taking by the contractor**

Full name and address of the tenderer in addition to Post Box No., if any  
Should be quoted in all communications to this office

From :

\_\_\_\_\_

**Name of work:-**

Sr No.	Name of item	Year of warranty

Dear Sir

1. I/ we have understood all the instructions to tenderers in the tender inquiry and have thoroughly examined the specification drawing and / or pattern in the schedule hereto and am/ are fully aware of the nature of stores required and my/ our offer is to supply stores strictly in accordance with the requirements.
2. I have understood all the tender condition in the tender enquiry and will comply with them.
3. All the schedules & appendices have been submitted duly filled in & signed.
4. The completed tender document from page No. \_\_\_ to page No. \_\_\_ of this tender and any other document mentioned in this tender shall be considered for constitution of contract Agreement.

Yours faithfully.

(Signature of tenderer) Dated \_\_\_\_\_

Address

**GOVERNMENT OF INDIA  
BORDER SECURITY FORCE  
NOTICE INVITING TENDER  
CPWD 6**

The Commandant (Elect)/ Superintendent Engineer, FHQ BSF New Delhi, on behalf of the President of India invites online **item rate** tenders from approved and eligible electrical contractors of respective department i.e (CPWD and non-CPWD contractors (i.e. Rajasthan State PWD / MES / P & T (BSNL) / Railways) in appropriate class, for the work "Development and bulk services i.e Electrical works, Boundary wall, P/F main gates for 125 BN BSF(Now 48 BN) at 7-A Chhoti (New location) Sri Ganganagar (Raj) (SH: Internal EI & Fans & lighting in existing Substation Building)."

1. The enlistment of the contractors should be valid on the last date of submission of bids. In case only the last date of submission of bid 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 Rs. 2,35,869/- this estimate, however, is given merely as a rough guide.

1.1.1 The authority competent to approve NIT for the combined cost and belonging to the major discipline will consolidate NITs for calling the bids. He will also nominate Division which will deal with all matters relating to the invitation of bids.

For composite bid, besides indicating the combined estimated cost put to bid, should clearly indicate the estimated cost of each component separately. The eligibility of bidders will correspond to the combined estimated cost of different components put to bid.

## 1.2. Experience Requirement

Contractor are eligible to submit the bid provided they have definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having satisfactory completed similar works of magnitude specified below:-

One similar work costing not less than 80% of the estimated cost put to tender.

OR

Two similar works costing not less than 60% of the estimated cost put to tender.

OR

Three similar works costing not less than 40% of the estimated cost put to tender.

The value of executed work shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of completion of **last date of submission of bids**.

**Similar work shall means "Internal electrical Installation/ Wiring work/ Cabling work".**

- 1.3. The bidder should have satisfactory completed similar work(s) during the last 7 years ending previous day of last date of submission of bids. (Scanned copy of performance of each work with schedule of quantity certified by an officer not below the rank of Executive Engineer or equivalent to be uploaded)

2. Agreement shall be drawn with the successful tenderers on prescribed Form No. CPWD 7/8 which is available as a Govt. of India Publication. Bidders shall quote their rates as per various terms and conditions of the said form which will form part of the agreement.

3. The time allowed for carrying out the work will be **45 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 tender documents.
4. ~~The site for the work is available.~~  
The site for the work shall be made available in parts as specified below:  
.....
5. The tender documents 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 the website <http://www.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 tender 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 tender as notified.
8. Earnest Money in the form of Treasury Challan or Demand Draft or Pay order or Banker's Cheque or Deposit at Call Receipt or Fixed Deposit Receipt (drawn in favor **DIG SHQ BSF SGNR** shall be scanned and uploaded to the e-Tendering website within the period of bid submission . A part of earnest money is acceptable in the form of bank guarantee also. ~~In such case, 50% of earnest money or Rs.20 lac, whichever is less, will have to be deposited in shape prescribed above, and balance in shape of Bank Guarantee of any scheduled bank having validity for 6 months or more from the last date of receipt of bids which is to be scanned and uploaded by intending bidders.~~

Copy of Enlistment Order and other documents as specified in the e tender notice shall be scanned and uploaded the e-tendering website within the period of bid submission.

Online bid documents submitted by intending bidders shall be opened only of those bidders, whose documents scanned and uploaded are found in order.

The bid submitted shall be opened at on \_\_\_\_\_ at 1130 AM .

9. The bid submitted shall become invalid if:
  - I. The bidder is found ineligible.
  - II. The bidders do not upload all the documents and undertaking as stipulated in the bid document.
  - III. If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted in the office of tender opening authority.
  - IV. Scanned copy of Receipt of deposition of earnest money deposit (EMD) shall be uploaded by the bidder in the online bid. If failing which their bid shall be rejected at initial stage.
  - V. Receipt of deposition of EMD shall be uploaded by the bidder during bid if failing which their bid shall be rejected at initial stage.
10. 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 ~~cash (in case guarantee amount is less than Rs. 10000/-)~~ or 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 of any scheduled bank (in case guarantee amount is less than Rs. 1,00,000/-) 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 deposit the said performance guarantee within the period as indicated in Schedule 'F'. including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along with tender shall be returned after receiving the aforesaid performance guarantee.

11. The description of the work is as follows:  
 "Development and bulk services i.e Electrical works, Boundary wall, P/F main gates for 125 BN BSF(Now 48 BN) at 7-A Chhoti (New location) Sri Ganganagar (Raj) (SH: Internal EI & Fans & lighting in existing Substation Building)." Schedule attached. Intending tenders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders 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 tender. A tenderers 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 tenderers 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 tender by a tenderers 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.

12. The competent authority on behalf of the President of India does not bind itself to accept the lowest or any other tender and reserves to itself the authority to reject any or all the tenders received without the assignment of any reason. All tenders 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 tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to 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 tender and the bidders shall be bound to perform the same at the rate quoted.
15. The contractor shall not be permitted to tender for works in the FTR HQ BSF Raj (Division in case of contractors of Horticulture/Nursery category) 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 Superintending Engineer and Junior 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 Border Security Force or in the Ministry of Home Affairs. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.
16. 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 previous 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 tender or engagement in the contractor's service.
17. The tender for the works shall remain open for acceptance for a period of Ninety (40) days from the date of opening of financial bid. If any tenderer withdraws his/her tender before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications 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 said earnest money as aforesaid. Further the tenderers shall not be allowed to participate in the retendering process of the work.
18. This notice inviting Tender shall form a part of the contract document. The successful tenderers/contractor, on acceptance of his tender by the Accepting Authority shall within 40 Days from the stipulated date of start of the work, sign the contract consisting of: -
  - a. The Notice Inviting Tender, all the documents including additional conditions, specifications and drawings, if any, forming part of the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.
  - b. Standard C.P.W.D. Form 8 (GCC for CPWD works 2023) amendments upto date. (Available on CPWD website).

Commandant (Elect)  
FHQ BSF New Delhi

Addition:

Deletion:

Correction :

Overwriting

EE(E)

SE (E)

**GOVERNMENT OF INDIA**  
**BORDER SECURITY FORCE**  
**CPWD- 8**

**Item Rate Tender & Contract for Works**

Tender for the work of :- Development and bulk services i.e Electrical works, Boundary wall, P/F main gates for 125 BN BSF(Now 48 BN) at 7-A Chhoti (New location) Sri Ganganagar (Raj) (SH: Internal EI & Fans & lighting in existing Substation Building).

e-Tender to be submitted/uploaded online by 1100 Hours on \_\_\_\_\_ to **Ftr HQ BSF Raj** on the website [www.eprocure.gov.in](http://www.eprocure.gov.in)

- (i) Online tender to be opened at 1130 hours on \_\_\_\_\_ in the office of **Ftr HQ BSF Raj**.

**T E N D E R**

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 document for the work.

I/We hereby tender for the execution of the work specified for the President of India as per time schedule of mile stone(s) and 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 in 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 **(75)** days from the date of opening of tenders and not to make any modifications in its terms and conditions.

A sum of is hereby forwarded in cash/receipt treasure challan/deposit at call receipt of a scheduled bank/ fixed deposit receipt of scheduled bank/demand draft of a scheduled bank/bank guarantee issued by a scheduled bank as earnest money. If I/we, fail to furnish the prescribed performance guarantee within prescribed period, I/we agree that the said 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 earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of tender form. Further, I/we agree that in case of forfeiture of earnest money or both Earnest Money & Performance Guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.

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”

I/We hereby declare that I/We shall treat the tender documents, drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived there from to any person other than a person to whom I/We am/are authorised to communicate the same or use the information in any manner prejudicial to the safety of the state.

Dated \_\_\_\_\_ Signature of Contractor

Witness:

Address: \_\_\_\_\_ Postal Address

Occupation:

Addition:            Deletion:            Correction :            Overwriting            EE(E)            SE (E)

**ACCEPTANCE**

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the President of India for a sum of Rs... .. \*... .. (Rupees ... .. \*... ..)

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

- i)        )
  - ii)       )
  - iii)       )
- } To be filled at the time of tender

\*  
For & on behalf of the President of India.

Dated.....

Signature.....

Designation .....

\* To be Filled at the time of calling e-tender

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

Schedule of quantities : 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
1	2	3	4	5
NO MATERIALS SHALL BE ISSUED BY THE DEPARTMENT.ALL MATERIALS AS REQUIRED TO CARRIED OUT WORK SHALL BE ARRANGED BY THE CONTRACTOR.				

**SCHEDULE 'C'**

Tools and plants to be hired to the contractor.

Sl. No.	Description	Hire charges per day	Place of Issue
1	2	3	4
NO TOOLS & PLANTS SHALL BE ISSUED BY THE DEPARTMENT. ALL TOOLS & PLANTS AS REQUIRED TO CARRIEDOUT THE WORK SHALL BE ARRANGED BY THE CONTRACTOR			

**SCHEDULE 'D'**

Extra schedule for specific requirements/documents for the work, if any : As per additional specifications, terms and conditions, acceptable makes of materials attached with schedule of work.

**SCHEDULE 'E'**

Reference to General Conditions of contract i/c CON circular : GCC-2023 CPWD Form-8 as modified and amended upto date of submission of tender.

Name of Work:- Development and bulk services i.e Electrical works, Boundary wall, P/F main gates for 125 BN BSF(Now 48 BN) at 7-A Chhoti (New location) Sri Ganganagar (Raj) (SH: Internal EI & Fans & lighting in existing Substation Building).

Estimated Cost of work : Rs. 2,35,869/-

Earnest money: Rs.4,717/-

Performance Guarantee: PG shall be 5% of tendered amount or ECPT (Whichever is higher). Where the tendered amount is less than eighty percent (80%) of the ECPT, the performance guarantee, in addition to the requirement under (a) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount.

Security Deposit: 2.5 % of tendered amount

## SCHEDULE 'F'

General Rules &amp; Directions:

**CPWD Specifications 2023** as modified and amended upto date of submission of tender

Officer inviting tender

Commandant (Electrical) FHQ BSF New Delhi

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) Ftr HQ BSF Raj

2(viii) Accepting Authority Commandant (Elect), FHQ BSF New Delhi

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

2(xi) Standard schedules of Rates DSR-2025 (E&amp;M) &amp; Market Rates

2(xii) Department Border Security Force

9 (ii) Standard CPWD Contract Form **GCC 2023, CPWD Form 7/8-modified & Corrected up to last date of submission of bid.****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 (as per applicable rules) from the date of issue of letter of acceptance -7 Days

ii) Maximum allowable extension with late fee @0.1% per day of Performance Guarantee amount beyond the period provided in (i) above 7 Days

Clause 2 Authority for fixing compensation under clause 2. : SE (ELECT), BSF

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 from the date of issue of letter of acceptance

Mile stone (s) as per table given below:-

**TABLE OF MILE STONE(S)**

S. NO.	DESCRIPTION OF MILESTONE (PHYSICAL)	TIME ALLOWED IN DAYS (FROM THE DATE OF START)	AMOUNT TO BE WITH-HELD IN CASE OF NON-ACHIEVEMENT OF MILESTONE.
1	1/8th (of whole work)	1/4th (of whole work)	In the event of not achieving the necessary progress as assessed from the running payments, 1.25% of the tendered value of work will be withheld for failure of each milestone
2	3/8th (of whole work)	1/2 (of whole work)	
3	3/4th (of whole work)	3/4th (of whole work)	
4.	Full	Full	

Time allowed for execution of work : 45 Days

Addition:

Deletion:

Correction :

Overwriting

EE(E)

SE (E)

Authority to Decide:

- i) Extension of time EE(E) Ftr HQ BSF RAJ
- ii) Rescheduling of mile stones Commandant (Elect) FHQ BSF New Delhi
- iii) Shifting of date of start in case of delay in handing over of site ..... Commandant (Elect) FHQ BSF New Delhi

**Clause 6, 6A** Clause applicable – (6 or 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. Rs. 2,35,869/-

**Clause 7A** No Running Account Bill shall be paid for the work till the applicable labour licenses, registration with EPFO, ESIC and BOCW Welfare Board, whatever applicable are submitted by the contractor to the Engineer-in-Charge Applicable

**Clause 10A** List of testing equipment to be Provided by the contractor at site lab Applicable

**Clause 10B(ii), (iii)** Whether clause 10-B(ii) and 10-B (iii) shall be applicable No

**Clause 10C** Component of labour expressed as percent of value of work 25%

**Clause 10CA** Whether clause 10CA shall be Applicable. Not applicable

Materials covered under this clause Nearest material for which All India Wholesale Price Index is to be followed Base price of all material covered under Clause 10 CA  
Not Applicable

**Clause 10CC** Clause 10CC to be applicable in contracts with stipulated period of completion exceeding the period shown in next column NOT APPLICABLE

Schedule of component of cement, steel, other materials, Labour etc. for price escalation:

CLAUSE 10 CC NOT APPLICABLE

~~Component of cement expressed as percent of total value of work.~~ ~~'Xc' Nil %~~

~~Component of steel expressed as percent of total value of work.~~ ~~'Xs' Nil %~~

~~Component of civil (except cement & steel) / Electrical construction materials expressed as percent of total value of work.~~ ~~'Xm' Nil %~~

~~Component of labour expressed as percent of total value of work.~~ ~~'Y' Nil %~~

~~Component of P.O.L. expressed as percent of total value of work.~~ ~~'Z' Nil %~~

NOT APPLICABLE

**Clause 11** C.P.W.D. General Specification for electrical work Part-I (internal) 2023 C.P.W.D., Part-II (external 2023), Part-VII 2013 (DG Set)  
 Specifications to be followed for execution of works and amended upto last date of submission of bid.

**Clause 12 – Type of work (Original Work) OR Maintenance work i/c upgradation, aesthetic, special repair, addition/ alteration)**

12.2 & 12.3      Deviation limit beyond which clauses 12.2 & 12.3 shall apply for electrical work.      30% on individual items

12.5      Deviation limit beyond which clauses 12.2 and 12.3 shall apply for foundation work.      -----Not Applicable-----

**Clause 16**      Competent Authority for deciding reduced rates.      **SE (ELECT), BSF**

**Clause 18**      List of mandatory machinery, tools & plants to be deployed by the contractor at site.      As per requirement at site and as per instruction of Engineer-in-charge.

Clause 25      Constitution of Dispute Redressal Committee (DRC)

Chairman	DIG BSF as nominated by IG FTR HQrs.
Member	DC/EE(E),FTR HQ JDR
Member	Account Officer detailed by FTR IG

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

**Clause 42 :- N/A.**

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

S NO	Description	Rates in figures and words at which recovery shall be made from the contractor	
		Excess beyond permissible variation	Less use beyond permissible variation
NOT APPLICABLE			

**INTEGRITY PACT BSF**

To,

.....,

.....,

.....

Sub: \_\_\_/SE (E)/Ftr-Raj/2025-26 for the work: Development and bulk services i.e Electrical works, Boundary wall, P/F main gates for 125 BN BSF(Now 48 BN) at 7-A Chhoti (New location) Sri Ganganagar (Raj) (SH: Internal EI & Fans & lighting in existing Substation Building).

Dear Sir,

It is here by declared that BSF 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 from the tendering process 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 BSF.

Yours faithfully

**Commandant (Electrical)  
FHQ BSF New Delhi**

**INTEGRITY PACT BSF**

To,

Commandant (Elect)  
FHQ BSF New Delhi

Sub: Submission of Tender for the work of : Development and bulk services i.e Electrical works, Boundary wall, P/F main gates for 125 BN BSF(Now 48 BN) at 7-A Chhoti (New location) Sri Ganganagar (Raj) (SH: Internal EI & Fans & lighting in existing Substation Building).

Dear Sir,

I/We acknowledge that BSF 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 BSF. I/We acknowledge and accept the duration of the 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, BSF shall have unqualified, absolute and unfettered right to disqualify the tenderer/bidder and reject the tender/bid in accordance with terms and conditions of the tender/bid.

Yours faithfully

(Duly authorized signatory of the Bidder)

**To be signed by the bidder and same signatory competent / authorized to sign the relevant contract on behalf of BSF.**

**INTEGRITY AGREEMENT**

This Integrity Agreement is made at on this                    day of                    202                    .....

**BETWEEN**

President of India represented through Commandant (Electrical)/ SE FHQ BSF New Dlhi (Hereinafter referred as the ‘Principal/Owner’, which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

**AND**

.....  
(Name and Address of the Individual/firm/Company)  
through ..... (Hereinafter referred to as the (Details of duly authorized signatory)“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. ....) (hereinafter referred to as “**Tender/Bid**”) and intends to award, under laid down organizational procedure, contract for.....

(Name of work) : Development and bulk services i.e Electrical works, Boundary wall, P/F main gates for 125 BN BSF(Now 48 BN) at 7-A Chhoti (New location) Sri Ganganagar (Raj) (SH: Internal EI & Fans & lighting in existing Substation Building).

hereinafter referred to as the “**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 its Bidder(s) and Contractor(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, THEREFORE, 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 commits itself to take all measures necessary to prevent corruption and to observe the following principles:
  - (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 immaterial benefit which the person is not legally entitled 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 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 endeavor to exclude from the Tender process any person, whose conduct in the past has been of 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 tendering process and throughout the negotiation or award of a contract.

2) The Bidder(s)/Contractor(s) commits himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution:

a) The Bidder(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 cartelize 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)/Contractor(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 a tender but not both. Further, in cases where an agent participate 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 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.

3) The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

4) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm indulge in fraudulent **practice means a willful 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 the detriment of the Government interests.**

5) The Bidder(s)/Contractor(s) will not, directly or through any other 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 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 other form, such as to put his reliability or credibility in question, the Principal/Owner after giving 14 days' notice to the contractor shall have 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 IPC 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.

**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 for banning of business dealings/ holiday 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 its own discretion, revoke the exclusion prematurely.

**Article 5: Equal Treatment of all Bidders/Contractors/Subcontractors**

1) The Bidder(s)/Contractor(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 Subcontractors/ sub-vendors.

2) The Principal/Owner will enter into Pacts on 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.



**Form of Earnest Money Deposit**

**Bank Guarantee Bond**

WHEREAS, contractor ..... (Name of contractor) (hereinafter called "the contractor") has submitted his tender dated ..... (Date) for the construction of ..... (Name of work) (hereinafter called "the Tender")

KNOW ALL PEOPLE by these presents that we ..... (Name of bank) having our registered office at ..... (hereinafter called "the Bank") are bound unto ..... (Name and Division of ..... (Hereinafter called "the Engineer-in-charge") in the sum of Rs. ....(Rs. in words .....) for which payment well and truly to be made to the said Engineer-in-charge the Bank binds itself, his successors and assigns by these presents.

SEALED with the Common Seal of the said Bank thus .....day of .....20..... THE CONDITIONS of this obligation are:

- (1) If after tender opening the contractor withdraws, his tender during the period of validity of tender (including extended validity of tender) specified in the Form of Tender;
- (2) If the contractor having been notified of the acceptance of his tender by the Engineer-in-Charge:
  - (a) fails or refuses to execute the Form of Agreement in accordance with the instructions to contractor, if required;
  - OR
  - (b) fails or refuses to furnish the Performance Guarantee, in accordance with the provisions of tender document and instructions to contractor.
  - OR
  - (c) Fails or refuses to start the work, in accordance with the provisions of the contract and instructions to contractor,
  - OR
  - (d) Fails or refuses to submit fresh Bank Guarantee on an equal amount of this Bank Guarantee, against Security Deposit after award of contract.

We undertake to pay to the Engineer-in-charge up to the above amount upon receipt of his first written demand, without the Engineer-in-Charge having to substantiates his demand, provided that in his demand the Engineer-in-Charge will note that the amount claimed by his is due to him owing to the occurrence of one or any of the above conditions, specifying the occurred condition or conditions.

This Guarantee will remain in force up to and including the date\* ..... after the deadline for submission of tender as such deadline is stated in the instructions to contractor or as it may be extended by the Engineer-in-Charge, notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this Guarantee should reach the Bank not later than the above date.

DATE..... SIGNATURE OF THE BANK

WITNESS ..... SEAL

(SIGNATURE, NAME AND ADDRESS)

\*Date to be worked out on the basis of validity period of 6 months from last date of receipt of tender.

### GENERAL CONDITIONS AND TECHNICAL SPECIFICATION

01. All hardware items such as screws, G.I wires etc. which are essentially required for completing an item as per specification will be deemed to be included in the item even when the same have not been specifically mentioned.
02. All hardware materials such as nuts/bolts/screws/washers etc. to be used in the work shall be zinc/cadmium plated iron.
03. Any conduit which is not be wired by the contractor shall be provided which G.I fish wire for wiring by the same/ other agency subsequently. Nothing extra shall be paid.
04. While laying conduit, suitable junctions boxes shall left for pulling the wires.
05. Copper wire shall be FRLS PVC insulated multi-stranded conductors. Termination of multi stranded conductors shall be done using crimping type thimbles at both ends. Nothing extra shall be paid for the same.
06. The makes of material have been indicated in the list of acceptable makes. No other makes will be acceptable. The material to be used in the work shall be got approved from the Engineer-in-charge before its use at site. The Engineer in charge shall reserve the right to instruct the contractor to remove the material which, in his opinion , in not as per specification.
07. The proof of purchase in the form of invoice /cash/memo, of all the major components such as cables, wires, fittings, MCB DB's Geysers, exhaust fans etc. shall have to be produced by contractor at the time of final bill or as and when demanded by the departments.
08. Test report of all the XLPE insulated PVC sheathed armoured power cables used at site of work shall have to be submitted by the contractor at the time of submission of final bill.
09. Where switches/sockets/telephones outlet are to be installed, the same shall be of similar make.
10. The MCB distribution boards shall be factory fabricated by the manufacturer of the MCB's of any of the makes specified and the same shall be duly pre-wired in the works. The board shall be brought to site in ready for installation condition. The MCBs and the MCB distribution board shall be of the same make.
11. The earthing shall be carried out in the presence of the Engineer-in-charge or his authorized representative and test report be submitted by the firm after completion of Work.
12. All fitting/fans will be earthed as per specifications.
13. The work shall be carried out strictly in accordance with Indian electricity Rules 1956, Indian electricity Act ,1910 as amended up to date and as per instructions of the Engineer-In-Charge including as below and nothing will be paid extra.
14. All the material to be supplied and used on the work shall be got approved from the Engineer-in-charge by the contractor before using on the work. The rejected material shall have to be replaced by the contractor at his own cost and the same shall be removed from the site immediately. The list of the approved makes is enclosed.
15. The work shall be carried out according to approved drawing/details which shall be subsequently issued to the successful tendered for execution of work and as per instructions of the Engineer-In-Charge who will have the right to change out the layout as per requirement at site and the contractor shall not have any claim due to change in layout.
16. The firm/Contractor should submit final layout diagram of the site after completion of work.
17. The bad workmanship will not be accepted and defects shall be rectified at contractors cost to the entire satisfaction of the Engineer-In-Charge. The electrical work shall progress in close coordination with building work and the contractor has to kept watch over the progress of the building work so that the conduit is recessed in the walls before plastering work starts. At any stage electrical works shall not lag behind civil works. No claim for idle labour on this account will be entertained. Electrical work shall have to be completed within stipulated period of time.
18. All the debris of the electrical works should be removed and the site should be cleared by the contractor immediately after the accruing of debris. Similarly any rejected materials should be immediately cleared off from the site by the contractor.
19. Issue of materials to the contractor whoever stipulated, shall be according to the requirement at site from time to time depending upon the progress of the work.
20. Cement for this bona fide work is to be arranged and used by the contractor himself and nothing extra will be paid on this account.
21. The contractor or his representative is bound to sign the site order book as and when required by the Engineer-In-Charge and to comply with the remarks.
22. The size of conduit and wiring shall be got approved from the Engineer-In-Charge before taking up to the execution.

23. The contractor shall make his own arrangement at his own cost for electrical/general tools and plants required for the work.
24. Main board and main distribution board: The work shall be carried out according to the drawing /details as approved by the Engineer-In-Charge. The contractor shall have to get the samples approved before the whole lot is brought to site and it shall include all the interconnections etc.
25. No central/state sale tax/VAT/Contract tax/excise duty/GST/Service tax etc. shall be separately paid by the department. The rates should be inclusive of all taxes and duties. TDS deduction of contract tax at source shall be made while releasing payment through running/final bill as applicable. A certificate specifying the rates and amount of deduction shall however to be issued. No form –D 31/32 (road permit) shall be issued by the department. The road permit shall be arranged by the tendered by the tenderer on his own.
26. The entire installation shall be at the risk and responsibility of the contractor until these are tested and handed over to the department. However if there is any delay in construction from the department side, the installation may be taken over in parts, but the decision on the same shall rest with Engineer-In-Charge which shall be binding on the contractor.
27. Notwithstanding the schedule of quantities, all items of interrelated works considered necessary to make the installation complete and operative deemed to be included shall be provided by the contractor without any extra cost.
28. The connections, interconnections, earthing and inter earthing shall be done by the contractor wherever required and nothing extra shall be paid on this account.
29. Some of the items of the work, if already executed: In that case, the successful tenderer shall be used the same. The recovery will be made for these items as accepted rate of other agencies.
30. Nothing extra shall be paid for :- a) Inter connection with thimbles /wires /tapes etc.
31. The contractor, regarding payment queries of the bill has to contact the Admin Officer of the establishment. The contractor should not contact with the Engineering Branch as well as with the DDO. He should raise his query with the Admin officer only. Admin officer of the establishment should take the details regarding payment from the DDO of the concerned establishment and reply the query of the contractor on the basis of the details submitted by the DDO.
32. The work shall be generally carried out in accordance with tender specifications and the following specifications.
  - a) CPWD General Specification for electrical work 2023 Internal – Part- I & External-II 2023 as amended up to date.
  - b) CPWD General Specifications for Electrical Works Part IV Sub Station – 2013 as amended up to date.
  - c) CPWD General Specifications for Electrical Works Part VII D.G. Sets - 2013.
  - d) Indian Electricity Act 2003 amended up to date
  - e) National Electrical Code
  - f) Indian Electricity Rule 1956 amended up to date
  - g) National Building Code 2016

### 33. INTERPRETING SPECIFICATIONS

In interpreting the specifications, the following order of decreasing importance shall be followed in case of contradiction.

- i. Nomenclature of item as per schedule of quantities.
  - ii. Additional/Special Conditions Technical specifications of the NIT.
  - iii. Approved Drawing (If any)
  - iv. CPWD General Specification for Electrical works (Part-VII) DG Set 2013, (Part-I) Internal-2023, (Part-II) External -2023.
  - v. Relevant IS or other international code in case IS code is not available.
34. The contract should have valid electrical contractor license.
  35. Fire regulations: The installation shall be carried out in conformity with the local pollution control regulations and rules there under wherever they are in force and the provisions in local by-laws if any.
  36. Safety Codes and Labour Regulations:  
All works shall be carried out in accordance with relevant regulation, both statutory and those specified by the Indian Standards related to the works covered by this specification. In particular, the equipment and installation will comply with the following:
    - (i) Factories Act.
    - (ii) Indian Electricity Rules.
    - (iii) I.S. & BS Standards as applicable.

- (iv) Workmen's compensation Act.
  - (v) Statutory norms prescribed by local bodies.
37. Earthing, cement concrete works and testing of the installation shall be done in presence of the Engineer -in-charge or his authorized representative.
  38. The successful tenderer shall make his own arrangement for storage and watch and ward of materials whether the same brought by him or supplied by the department He shall remain responsible for watch and ward of installation and other fittings till these are commissioned and handed over to the department.
  39. All T & P and special T&P required for the execution of shall be arranged by the contractor within his quoted rates and nothing extra shall be paid on this account.
  40. The contractor is bound to sign the site order book as and when required by the Engineer-in-charge and carry out the instruction recorded therein.
  41. All the hidden work shall be carried out in the presence of the Engineer-in-Charge or his authorized representative.
  42. All repairs and patch works shall be neatly carried out to match with the original finish and all damages done to the building during the execution of the electrical work shall be the responsibility of the electrical contractor and the same will have to be made good immediately by him to the entire satisfaction of the Engineer-in-charge and nothing extra shall be paid on this account.
  43. The contractor shall follow the shortest route for circuits, sub-main, point wiring etc.
  44. Before fabrication, drawings of electrical panels, feeder pillars will have to be got approved by the Engineer – In Charge.
  45. Drawings shall be examined by the department and communication of approval of drawings shall be sent and will be handed over to the site representative. The contractor shall have to get the LT Panel fabricated from the approved manufacturers. (As per list of Acceptable Makes of Material). The design and layout as well as strengthening members of the panel to be fabricated and supplied shall be as per the approved drawing / layout.
  46. Inspection of the panel may be done by the Engineer in charge or authorized representative before they are dispatched to site of work if required.
  47. Depth of cable trench for cable laying direct in ground is to be kept as specified in the specifications. Excavated soil is to be used as cushioning after that protective covering is to be provided.
  48. In the event of any discrepancy between the specifications as mentioned under Technical Specifications and as given in CPWD specifications, the specifications under technical specifications shall prevail.
    - I. The relevant latest IS specifications, codes of practice shall be followed if the specifications for the item is not available in the CPWD specifications.
    - II. In case ISI specifications are also not available, the decision of the Engineer-in-charge given in writing based on acceptable sound Engineering practice and local usage shall be final and binding on the contractor.
  49. The work shall be treated as complete when all the installations are handed over to the department and all the defects are removed to the entire satisfaction of the Engineer-in-charge.
  50. In respect of all labour employed directly or indirectly on the work the successful tenderer (herein after called the contractor) at his own expenses will arrange for the safety provisions to comply with the statutory regulations. S.I.S recommendation and CPWD codes. In case of default, the Department shall be at liberty to make arrangements and provide facilities as aforesaid and recover the cost from the contractor.
  51. The contractor shall provide necessary barriers, warning signals and other safety measures to avoid any accident. He shall be liable for such accident as may be done due to any cause in accordance with the Indian Law and Regulation and the department shall not be responsible for any accident, damage incurred or claims arising there from during the period of erection under his responsibility and putting and under his responsibility and putting into operation of the equipment's under his supervision. Where necessary he shall also provide all insurance including third party insurance as may be necessary to cover the risk

Addition:

Deletion:

Correction :

Overwriting

EE(E)

SE (E)

52. Nothing in these specifications shall be construed to relieve the contractor of his responsibility for the design, manufacture and installation of the equipment with accessories in accordance with applicable standards and statutory Regulations and safety codes in force from the safety angle.
53. Only deep junction box shall be used for the recesses wiring system.
54. The contractor will submit makes & brands of electrical fittings wires & cables, conduits and switchgears, rising mains, poles, outdoor fittings etc. of preferred make list as per tender documents for approval of Engineer-In-Charge whose decision will be final in the matter.
55. The firm will be required to procure material directly from the manufacturer/ authorized dealers to ensure genuineness & quality and as per the approved makes only. Proof in this regard shall be submitted by the contractor if required by the department.
56. Inspection at factory or at godown, as required, shall be arranged by the firm for a mutually agreed date.
57. Delivery of material shall be taken up only with the consent of department, after clearance of the material.
58. Department shall reserve the right to waive inspection in lieu of suitable test certificate, at its discretion.
59. All the materials to be supplied by the contractor shall be procured & brought to site as per requirement at site of work in consultation with department so that these materials are not damaged & their manufacturer's warrantee is not lost.
60. Guarantee & Defect Liability Period:
61. All the equipments except LED luminaires fans shall be guaranteed for a period of 12 months from the date of taking over the installation by the department against unsatisfactory performance and / or break down due to defective design, workmanship of material. The equipments or components, or any part thereof, so found defective during guarantee period shall be forthwith repaired or replaced free of cost, to the satisfaction of the Engineer-in-Charge. In case it is felt by the department that undue delay is being caused by the contractor in doing this, the same will be got done by the department at the risk and cost of the contractor. The decision of the Engineer-in-Charge in this regard shall be final.
62. The tenderer shall guarantee among other things, the following vis-à-vis specifications.
63. Ceiling fans, Exhaust fans are to be guaranteed for 2(two) Year or standard manufacturer's warranty whichever is the longer period.
64. LED fittings including driver are guaranteed for 2 years.
65. The guaranty for LED fittings is to be got submitted from the contractor. He should give undertaking that in case discontinuation of model and non-availability of spares, he will replace the fittings with equivalent/ high end model in case of manufacturing defect during the warranty period of 2 years in Annexure – X
66. The breaking capacity of the MCB's shall be 10 KA. The MCB's shall have ISI mark. Quantities of MCBs of different rating of 6 amps to 32 amps shall be brought in consultation with the Engineer-in-Charge or his representative.
67. All the MCCBs shall be rated for  $I_{cs}=100\%I_{cu}$ .
68. The copper wire to be used on this work shall be FRLS type and ISI marked.
69. The galvanized boxes of modular switch/sockets etc. shall be of the same make as of switch/socket etc. Only the required knockouts of the switch boxes are to be removed for terminating the conduit pipes.
70. Make of MCB/MCCB shall be the same as the make of MCB DB.
71. All the switch boxes, MCB DBs are to be covered with plastic sheet / petroleum jelly when installed in brick work till the plastering / painting is done to avoid sticking of cement plaster/ splashes of the paint. Cement plaster / paint are to be cleaned immediately after plaster to avoid rusting of switch boxes and MCB DBs. The plastic sheet is to be removed at the time of handing over.
72. The Electrical works shall be carried out by the contractor, side by side with the progress of the civil works.
73. Modular switches & accessories, MCBs, MCBDB, Fittings, accessories and other items from the manufacturers or their authorized dealers to the satisfaction of the Engineer-in-charge.
74. All PVC conduits accessories shall be of the same make as conduits.
75. Cutting of brick walls shall be with chase cutting machine only. All repairs and patch works shall be neatly carried out to match the original finish and to the entire satisfaction of the Engineer in Charge.
76. All the sub main and circuit wiring includes loose wire for connections inside switch boxes and MCB DB s. and no payment for these loose wires shall be made. However, wires within the cubicle panel will be measured and paid under relevant item of work.
77. To facilitate drawing of wires, 18 SWG GI fish wire shall be provided along with laying of recessed conduit for which no extra payment shall be made. Conduits laid for other services, like fire alarm, PA etc., where wiring is not done along with IEI works, fish wire shall be invariably drawn.
78. The connection between incoming switch / isolator and bus bar shall be made with suitable size of thimble and cable at no extra cost.
79. Copper conductor of insulated cables of size 1.5 Sq.mm and above shall be stranded and terminals should be provided with crimped lugs for connections.

Addition:

Deletion:

Correction :

Overwriting

EE(E)

SE (E)

80. All MS junction box cover should be of phenolic laminated / good quality plastic sheet of thickness not less than 3mm and for which nothing extra shall be paid on the account.
81. All sub-main wiring shall be terminated in the main board with suitable copper lugs and thimbles for which nothing extra will be paid on this account.
82. All hardware items such as screws, thimbles, GI wire etc. which are essentially required for completing an item as per specifications will be deemed to be included in the item even when the same have not been specifically mentioned.
83. All hardware items such as nuts/ bolts/ screws/ washers etc. to be used in work shall be zinc/ cadmium plated iron.
84. Any conduit which is not be wired by the contractor shall be provided with GI fish wire for wiring by some other agency subsequently. Nothing extra shall be paid for the same.
85. While laying conduit, suitable size junction boxes shall be provided for pulling the wire as per the decision of the Engineer-in-Charge.
86. Where switches/ sockets/ regulator/ telephone/ TV / internet outlets are to be provided, the same shall be of only one make.
87. While laying conduits for fire alarm system, sufficient junction outlets are to be provided as per the direction of the Engineer-in-Charge for detectors as required, for which no extra payment shall be made.
88. The rates quoted by the tenderer, shall be firm and inclusive of all taxes (including GST-works contract tax as applicable & labour cess 1% and Income Tax as applicable), duties levies, octroi etc and all charges for packing forwarding, insurance, freight and delivery, installation, testing. All statutory deductions like Income Tax, Labour welfare cess etc. shall be made from the bills.
89. The contractor and his men shall have to abide by the security instructions of BSF authorities. No claim of idle labour or any other claim on this account shall be entertained by the department. The normal working time shall be in day time. No claim from contractor for extra payment on account of any change in working hours shall be entertained by the department.
90. The work will be carried out in close coordination with the building work and other agencies. Conduits will be laid in the slab within the specified time and it will have to be ensured that the casting of slabs is not delayed for want of laying of conduits.
91. If any types of mis-happening / human loss occur during execution of work at site, the contractor will be fully responsible for it and liable to bear all losses and has to pay full compensation. The department will not take any responsibility for such type of happening.
92. **Supplementary Agreement will be drawn in view of servicing guarantee/warranty of items i.e solar, led light, battery installed with solar, inverter and all solar power plant accessories attached annexure as per-I.**
93. Additional Clause of Payment: - The contractor regarding payment queries of the bill has to contact the Admin Officer of the establishment. The contractor should not contact with engineering branch as well as DDO. He should raise his query with the Admin Officer only. Admin Officer of the establishment should take the details regarding payment from the DDO of the concerned establishment and reply the query of the contractor on the basis of details submitted by the DDO.

**LED Luminaire Specifications**

1	LED Make	NICHIA/ OSRAM/ SEOUL/ PHILIPS/LUMILEDS/ LEDNIUM/ CREE OR AS APPROVED BY ENGINEER IN CHARGE
2	Lighting wattage/Type	As per BOQ / Make & Model of the fixture
3	CCT	6000K (+/-500K) cool white AND 2700 to 3000/4000 K for Warm White or as per BOQ
4	Ingress Protection	IP20 for indoor lights and IP 65 or as specified in BOQ
5	Rated Luminous flux	As per BOQ/Make & Model
6	CRI (Typical)	As per BOQ/Make & Model
7	Harmonics	As per BOQ/Make & Model
8	Power Factor	Minimum 0.95
9	Rated Voltage	160 V – 270 V
10	Surge Voltage	Up-to 2 KV for indoor lights
11	Operating temperature	-10 to +50 deg C
12	Luminaries Efficacy	System Luminous Efficacy minimum 100 lm/ W or as per BOQ
13	Driver Efficiency	>85%
14	Average LED life L70B50:	50000 hours
15	Luminaries life span	Minimum 50,000 Hrs.
16	LM79 & LM 80 Test Certificate.	LM79, LM80 Test Certificate
17	Standard Guaranty/ Warranty Guarantee for complete luminaries including Electronic driver, SPD	02 years
18	Test Report	Photometric test result and electric test results for NABL accredited Lab for makes and models.

NOTE: - Only NABL Acc. Lab. Reports will be accepted as per respective IS Code/BIS for all items mentioned above. Actual CCT need to be ensured at manufacturer's premises in or NABL test lab through inspection if required. Agency has to arrange this well before time of supply and indicated the same the BAR Chart so that progress of work should not be hampered.

**LIST OF ACCEPTABLE MAKE SHALL BE FOLLOWED IF NOT MENTIONED IN THE SCHEDULE OF QUANTITIES**

S/No.	Items	Name of manufacturer
01	FRLS PVC insulated copper conductor single core cable for wiring ISI marked	Havells/Finolex/RR Kabel/KEI
02	Telephone cable co-axial TV cable	Finolex/ L&T/ Havells/Standard/RR Kabel
03	Cat-06 cable for LAN wiring & internal cable	Finolex /R.R cable/Dlink
04	MS conduit ic accessories ISI marked	AKG/BEC/NIC/AST/BEG/Gupta/MKI
05	DWC pipe	Duraline/Jain Irrigation/Avadh polytube/ Gemini/ISI approved
06	Modular switch socket/telephone socket/ cable TV socket/data outlay socket/fan regulator/metal boxes/occupancy sensor	Legrand Mosaic/M.K(Blenze) /Anchor Roma/Hager/Crabtree/Anchor Penta
07	GI pipe	Tata/Jindal(Hisar)/Prakash/Surya/Ravindra/AKG
08	Paints	Asian/Berger/Nerolac
09	Terminal blocks and connector	Elmex/ Connect well/FTC or ISI Marked
10	Compact air insulated rising mains	Legrand/Schneider/L&T/Siemens
11	MCB, MCBDB, RCBO's/RCCB	Schneider /Legrand/L&T/C&S/ Siemens/ABB/Havells
12	MCCB(Ics =100% Icu)	Schneider CVS/Legrand/L&T/ Siemens / ABB/Havells
13	SFU,FSU, HRC fuses, cable management system/DLP trucking	Schneider Electric/Legrand/L&T / Siemens /
14	Ammeter/Voltmeter	Schneider /AE/L&T
15	Selector switch	Schneider /AE /L&T
16	Changeover switch	HPL/Havells/L&T/Legrand/C&S
17	Indicating lamp	Schneider /L&T/vaishno/C&S
18	Panel board/feeder pillar	Manufacturer have ISO 9001 certification/ CPRI approved
19	Energy meter/Intelligent energy meter/ Multifunctional	Schneider/AE/Trinity/L&T/HPL
20	Ceiling fan/exhaust fan (only energy efficeing fans consuming $\geq 50$ W and $\geq 200$ for 1200 mm and 60 W and CMM $\geq 240$ for 1400 mm shall be used )	Crompton/Orient/Havells/Bajaj/Usha
21	LED /Flood Light fittings	Philips/Bajaj/CG/Havells/Wipro/Orient
22	Lamps	Philips/Bajaj/CG/Wipro/Osram/Havells/Orient
23	Wall Bracket	Crompton/Anchor/Havells/Philips/Bajaj/Orient

24	Angle holder /batten holder	ISI marked kinjal/Leader/Anchor/Fine/ISI
25	XLPE insulated PVC sheathed aluminum cable upto 1.1 KV Gd	Finolex/L&T/Polycab/Havells/KEI
26	PVC conduit & Accessories ISI marked	Polypack//Polycab/AKG/Finolex/Polyplast/ NORPACK.
27	Piano type switches/Sockets/TV/Telephone outlet (ISI mark)	Anchor/Leader/SSK/Fine/Kinjal/COna
28	Phenolic laminated sheet ISI marked	Hylum/Formika/Fine/Anchor
29	CTs	AE/Kappa/L&T
30	Industrial Socket	Neptune/Elcon/ Schneider
31	G.I Pipe	Parkash surya/Tata/Jindal
32	HDPE pipe	Duraline/Jain Irrigation/Avadh polytube/ Gemini/ISI approved
33	PVC loop BOx	Sintex/Hensel
34	Paint	Asian/Berger/Nerolac
35	All other items not covered in BOQ	As per approval of the Engineer-in-charge

Note:--The decision of the Engineer-In-Charge in regard to use of any particular brand out of above mentioned brands shall be final and binding to the contractor.

**CUSTOMER'S OPTION TO RECEIVE PAYMENTS THROUGH E –PAYMENT (ECS/EFT/DIRECT CREDIT/RTGS/NEFT/OTHER PAYMENT MECHANISM AS APPROVED BY RBI)**

Name of Work:- Development and bulk services i.e Electrical works, Boundary wall, P/F main gates for 125 BN BSF(Now 48 BN) at 7-A Chhoti (New location) Sri Ganganagar (Raj) (SH: Internal EI & Fans & lighting in existing Substation Building).

Credit Clearing Mechanism

1. Customer's name : .....
2. Particulars of Bank Account : .....

  - a. Bank Name : .....
  - b. Branch name : .....
  - c. Address : .....
  - d. Telephone numbers : .....
  - e. IFS code : .....
  - f. digit code number of Bank and Branch: .....

Appearing on MICR cheque issued by Bank

  - g. Account Type : .....

(SB Account/Current Account or Cash)

  - h. Ledger number : .....
  - i. Ledger Folio number : .....
  - j. Account number as appearing : .....

On Cheque Book


3. Please attach a blank cancelled cheque, or, photocopy of a cheque or front page of your savings bank passbook issued by your bank for verification of the above particulars.
4. Date of Effect :

"I, hereby, declare that the particulars given above are correct and complete. If the transaction is delayed or not effected at all for reasons of incomplete or incorrect information, I would not hold the user institution responsible. I have read the option invitation letter and agree to discharge the responsibility expected of me as a participant under scheme."

Date (.....)

Signature of Customer

Certified that the particulars furnished above are correct as per our records

Bank's Stamp (.....) cancellation

Date :-

Signature of the Authorized Official from the Bank.

**SCHEDULE OF QUANTITY**

Name of Work:- Development and bulk services i.e Electrical works, Boundary wall, P/F main gates for 125 BN BSF(Now 48 BN) at 7-A Chhoti (New location) Sri Ganganagar (Raj) (SH: Internal EI & Fans & lighting in existing Substation Building).

Sr. No	DESCRIPTION OF ITEM	Qty	Unit	Rate	Amount in figure	Amount in words
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS/HFFR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS/HFFR PVC insulated copper conductor single core cable etc. as required. <b>Group B</b>	10	Point			
2	Rewiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS/HFFR PVC insulated copper conductor single core cable and 1.5 sq.mm FRLS/HFFR PVC insulated copper conductor single core cable as earth wire in existing surface/ recessed steel/PVC conduit including dismantling as required. . <b>Group B</b>	40	Point			
3	Wiring for light/ power plug with 2X4 sq. mm FRLS/HFFR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit alongwith 1 No. 4 sq. mm FRLS/HFFR PVC insulated copper conductor single core cable for loop earthing as required.	10	mtr			
4	Wiring for light/ power plug with 4X4 sq. mm FRLS/HFFR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit alongwith 2 Nos. 4 sq. mm FRLS/HFFR PVC insulated copper conductor single core cable for loop earthing as required.	10	mtr			
5	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS/HFFR PVC insulated copper conductor, single core cable in surface/ recessed PVC conduit as required. 2X 1.5 sqmm + 1x1.5 sq mm earth wire	20	mtr			
6	Supplying and drawing following sizes of FRLS/HFFR PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required. 2 x 1.5 sq. mm	20	mtr			
7	Supplying and drawing following sizes of FRLS/HFFR PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required. 3 x 1.5 sq. mm	50	mtr			
8	Supplying and drawing following sizes of FRLS/HFFR PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required. 6 x 1.5 sq. mm	25	mtr			
9	Supplying and drawing following sizes of FRLS/HFFR PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required. 3 x 4 sq. mm	40	mtr			
10	Supplying and drawing following sizes of FRLS/HFFR PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required. 6 x 4 sq. mm	30	mtr			
11	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required. 20 mm	50	mtr			
12	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required. 25 mm	20	mtr			
13	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. 5/6 A switch	50	Each			
14	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. 3 pin 5/6 A socket outlet	10	Each			

Addition:

Deletion:

Correction :

Overwriting

EE(E)

SE (E)

15	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. 15/16 A switch	10	Each			
16	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. 6 pin 15/16 A socket outlet	10	Each			
17	Supplying and fixing metal box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc. as required. 1 or 2 Module (75mmX75mm)	10	Each			
18	Supplying and fixing metal box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc. as required. 6 Module (200mmX75mm)	8	Each			
19	Supplying and fixing metal box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc. as required. 8 Module (125mmX125mm)	10	Each			
20	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	12	Each			
21	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	10	Each			
22	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	5	Each			
23	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required	36	Each			
24	Supplying & fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 25 A modular socket outlet and 25 A modular SP MCB, "C" curve including connections, painting etc. as required.	2	Each			
25	Supplying and fixing PVC batten/ angle holder including connections etc. as required.	10	Each			
26	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) 8 way , Double door	2	Each			
27	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single pole	14	Each			
28	Supplying and fixing 40 Amp rating double poles (Single phase and neutral), 240 V Residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections testing and commissioning etc. as required.	2	Each			
29	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required. (for 7 Block x 1 earthing)	1	Nos.			
30	Providing and laying earth connection from earth electrode with 6 SWG dia G.I. Wire in 15 mm dia G.I. pipe from earth electrode including connection with G.I. thimble excavation and re-filling as required.	3	Mtrs.			
31	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	4	Mtrs.			
32	Supply, installation, testing and commissioning of 1200 mm (nominal size), 20 watt LED batten luminaire in aluminium housing with minimum light output 100 lumen/watt complete with all accessories,	10	Each			

Addition:

Deletion:

Correction :

Overwriting

EE(E)

SE (E)

	electronic driver, diffuser, directly on ceiling/ wall, including connections and earthing etc. as required. (Approved Makes: Philips / GE/ Havells/ Wipro/ Crompton/Jaquar /GM)					
33	Supply, installation, testing and commissioning of 600 mm (nominal size) 9/10-watt LED batten luminaire in polycarbonate housing with minimum light output 100 lumen/watt complete with all accessories, electronic driver, diffuser, directly on ceiling/ wall, including connections etc. as required. (Approved Makes: Philips / Havells/ Wipro /Lighting Technologies/jaquar )	2	Each			
34	S/I/T/C of 240V, 50 HZ 1200 mm Sweep Ceiling Fan, having 02 Nos Canopy including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required of Havells / Crompton/Bajaj/usha/orient including connection etc as required.	7	Each			
35	Supply, installation, testing and commissioning of fresh air fan with louver shutter 250 mm sweep in the existing opening including making the hole to suit the size of the above fan and making good the damage, connection, testing , commissioning etc as required.(Havells make Ventil Air-DX with self opening louvers or with similar specifications C&G / Orient / Usha)	1	Each			
36	Supply, installation, testing and commissioning of 450 mm sweep , 900 rpm , Heavy Duty Exhaust Fans , Metallic body complete with louvers etc, including making the hole and making good the damage and making the same with connection, testing, commissioning etc. as required. Make Havells/ Crompton/Bajaj.	2	Each			
37	Providing and fixing of 9 / 10 Watt, 3000-6500 K LED Bulb in the existing batten holder including connection etc as required of havells/ Crompton / Philips make.	8	Each			
38	Supply, installation, testing and commissioning of 50 Watt LED Flood light luminaire with SMD LED as light source with driver included , protection-IP66 with all accessories, mounting bracket with minimum lumen efficacy of 100 Lm/W, directly on ceiling/ wall, including connection with 3 x 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required as per direction of engg-In-charge. (Make : Wipro/Havells / Philips / GE)	4	Each			
	Total in Figures					
	Quoted Rate in Figures					
	Quoted Rate in words					

Commandant (Elect) / SE  
FHQ BSF New Delhi