

**NAME OF WORK: - Providing LED Street/Security Lights in Campus of 174 Nos BOPs along Indo-Pakistan Border (IPB) & Indo Bangladesh Border (IBB)(SH: Providing & fixing of security light along the periphery of BOP Paharipur of 121 BN (Now109 BN) BSF under SHQ BSF Gurdaspur.**

Serial No.	Contents	Page No
1.	Index	1
	<b><u>PART - A</u></b>	
2.	Press Tender Notice	2
3.	Information and Instructions for contractor for e-tendering	3 to 5
4.	Notice inviting tenders (CPWD - 6)	6 to 11
5.	Tender and contract	12 to 13
6.	Schedule "A" to "F"	14 to 18
7.	Integrity pact	19 to 24
8.	Form of Earnest Money (Bank Guarantee)	25
9.	Form of Performance Guarantee (Bank Guarantee)	26
	<b><u>PART - B</u></b>	
10	Technical specification of EI,  Additional Special conditions for E.I	27 to 31
11.	List of acceptance and make of Elect Items	32-34
12.	General conditions, Special conditions, Technical specification and Additional Special Conditions for civil work	
13	List of acceptance and make of Civil Items	
14	Drawing.	Nil
15	Modification of Clause 12 of GCC 2023.	} As Per GCC
16	Modification of CPWD Works Manual 2024.	
17	Modification of in GCC 2023 and CPWD-6.	
18	Modification in CPWD-6 (Modified)	
19	Modification in schedule F of GCC 2023.	
20	Schedule of Quantity	35 to 39

Certified that this NIT document contains pages 01 to 39

This N.I.T.is approved for **Rs 10,95,936/-** (Rupees Ten Lakh Ninety Five Thousand Nine Hundred Thirty Six only) Vide No. : 05 /Engg(E)/Tender/Ftr PB/2026-27

Executive Engineer (Elect)  
Ftr HQ BSF PB

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil

JE

AE

EE

**BORDER SECURITY FORCE  
NOTICE INVITING e-TENDER**

**NIT No-** /Engg(E)/Tender/Ftr PB/2026-27

Deputy Commandant/EE (Elect), Ftr HQ BSF PB invites on behalf of President of India Online percentage rate tender two bid system from approved and eligible contractors of CPWD and those of appropriate approved list of department of MES, BSNL, Railways and state PWD for the work of Providing LED Street/Security Lights in Campus of 174 Nos BOPs along Indo-Pakistan Border(IPB) & Indo Bangladesh Border (IBB)(SH: Providing & fixing of security light along the periphery of BOP Paharipur of 121 BN (Now109 BN) BSF under SHQ BSF Gurdaspur.” The enlistment of the contractors should be valid on the last date of submission of bids. In case of last date of submission of bid is extended, the enlistment of contractors should be valid on the original date of submission of bids.

~~The contractors should also have following experience-~~

- a) ~~Have constructed synthetic Volleyball court for School, Colleges and Clubs in last three year where inter state level tournament can take place.~~
- b) ~~Have constructed synthetic Volleyball court of National and International quality as classified by ITF.~~

~~The contractors responding to this tender notice should also provide following documents:-~~

- a) ~~Financial details of last one year.~~
- b) ~~ITF Certificate pace rating to be 3,4 and 5 (as classified by ITF). All 3 certificates to be provided.~~
- e) ~~Completion certificate from the authorities for whome volleyball court has been constructed to be attached for authenticity.~~

Details of work are as under:-

**Name of Work:- Providing LED Street/Security Lights in Campus of 174 Nos BOPs along Indo-Pakistan Border(IPB) & Indo Bangladesh Border (IBB)(SH:Providing & fixing of security light along the periphery of BOP Paharipur of 121 BN (Now109 BN) BSF under SHQ BSF Gurdaspur.**

Estimated Cost	:-	Rs 10,95,936/-
Earnest money	:-	Rs 21918/-
Period of completion	:-	120 Days
Last time and date of submission of bid online	:-	xx/xx/2026 (1100 Hrs)
Date of submission of documents	:-	xx/xx/2026(1100 Hrs)
Date of opening bids	:-	..... (1200 Hrs)

The tender forms and other details can be seen and downloaded from the website [www.eprocure.gov.in](http://www.eprocure.gov.in) and [www.bsf.nic.in](http://www.bsf.nic.in)

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

Deputy Commandant/EE (Elect), Ftr HQ BSF PB invites on behalf of President of India Online percentage rate tender two bid system from approved and eligible contractors of CPWD and those of appropriate approved list of department of MES, BSNL, Railways and state PWD for the following work :-

Name of work & Location	Estimated cost put to tender	Earnest Money	Period of Completion	Last date & time of submission of bid through Website	Period during which EMD and other Documents physically shall be submitted in tender box in Acctt branch the office of DIG SHQ BSF GSP	Time & date of opening of bid
Providing LED Street/Security Lights in Campus of 174 Nos BOPs along Indo-Pakistan Border(IPB) & Indo Bangladesh Border (IBB)(SH:Providing & fixing of security light along the periphery of BOP Paharipur of 121 BN (Now109 BN) BSF under SHQ BSF Gurdaspur.	Rs 10,95,936/-	Rs 21918/-	120 Days	xx/xx/2026 AT 1100 Hrs	xx/xx/2026 up to 1100 Hrs	xx/xx/2026 AT 1200 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 bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website [www.eprocure.gov.in](http://www.eprocure.gov.in) and or <http://www.bsf.nic.in> free of cost.
- The EMD can be paid in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee including e- Bank Guarantee from any of the Commercial Banks. The intending bidder has to fill all the details such as Banker's name, Demand Draft/Fixed Deposit Receipt/ Banker's Cheque / Bank Guarantee number, amount and date. EMD shall be made / issued only from the account of the bidder / tenderer submitting the bid / tender. EMD made / issued from the account other than that of the bidder / tenderer submitting the bid shall not be accepted. as specified.
- 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.

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil

JE

AE

EE

- 7 On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
- 8 Contractor can upload documents in the form of JPG format and PDF format.
- 9 Contractor must ensure to quote rate of each item.  
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).
10. SC/ST contractors enlisted under class V category are exempted from processing fee payable to BSF.
11. ~~Before commencement of work contractor should produce sample of turf along with certificate issued by approved Govt. agency/Lab certifying that this sample of turf is as per specification.~~
12. The tender document consisting of plans, specifications, the schedule of quantities of various types of Items to be executed and the set of terms and conditions of the contract to be complied by the contractor with and other necessary documents are uploaded on website [eprocare.gov.in](http://eprocare.gov.in).
13. General contract condition 2023 for Maintenance/Construction work (with amendments - 2019) will be applicable as per "relevant tender work".

Deputy Commandant/EE(Elect)  
Ftr HQ BSF PB

No. /Engg/Tender/Ftr (PB)/Elect/2026-27/

Dated, the \_\_\_\_ April 2026

**Distribution: -**

- |  |  |
|--|--|
| 1.EDP dept. HQ BSF, New Delhi (through mail & hard copy)<br>website <a href="mailto:edpdte@bsf.nic.in">Mail ID edpdte@bsf.nic.in</a> | :- for publicity in BSF<br>for wide publicity  |
| 2. STC K/Camp (Engg Branch)  | -do-   |
| 3.CPWD contractors, association, shape Bldgs., I P Bhawan, New Delhi-2   | -do-   |
| 4. C E, CPWD, Sector-A-, Chandigarh  |  |
| 5. Central Building, Organization 44, Regal Building, New Delhi  | -do-   |
| 6. Garrison Engineer (north/west) Jalandhar (PB).  | -do-   |
| 7. EE, Municipal Corporation, Jalandhar (PB)   | -do-   |
| 8. EE(Civil), CPWD,29 link Road, Jalandhar (PB)  |  |
| 9. Assistant Engineer, CPWD. Income Tax Colony, Jalandhar (PB)   | -do-   |
| 10. Garrison Engineer (north/west) Jalandhar (PB).   | -do-   |
| 11. IG, CRPF Group Centre Jal (PB)   |  |
| 12. Executive Engineer, PWD, Jalandhar (PB)  | -do-   |
| 13. SDG HQ Chandigarh  | -do-   |
| 14.SHQ BSF ASR/ABR/FZR/GSP/AHQ FDK   | -do-   |
| 15. Vig Cell. Ftr. HQ BSF PB   | -do-   |
| 16 IT Cell Engg (Elect) Branch   | :- for wide publicity of BSF Web Site NIT  |
| 17. Acctt Branch this HQ   | :- for info  |
| 18. All Units Under (PB FTR)   | :- For Info  |
| 19. Notice Board   | :- for info with request to put this tender<br>notice on your notice board for wide<br>publicity |
| 20. File.  |  |

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil

JE

AE

EE

## List of Documents to be scanned and uploaded through online

### List of Documents to be scanned/uploaded within the period of bid submission.

1. Earnest Money in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee including e- Bank Guarantee from any of the Commercial Banks (drawn in favor of DIG SHQ BSF Gurdaspur) shall be scanned and uploaded on the e-Tendering website within the period of bid submission. EMD shall be made / issued only from the account of the bidder / tenderer submitting the bid / tender. EMD made / issued from the account other than that of the bidder / tenderer submitting the bid shall not be accepted.
2. Scanned copy of valid CPWD Registration Certificate of appropriate electrical category or valid registration of MES, Railways, BSNL and State PWD of appropriate electrical category.
3. Valid Electrical license.
4. Scanned copy of GST Registration
5. Scanned copy of PAN Card
6. Scanned copy of latest ITR file
7. **The following undertaking in this regard shall also be uploaded by the intending bidders:-**

#### Scanned copy of Undertaking –A TO ABIDE BY CPWD form 6 & 7

“ I.....Son of .....Resident of .....hereby give an undertaking that I have read and I am aware of a the Clause and sub-clause of CPWD Form 6 & 7 and other terms and conditions as per NIT and I confirm that abide by all the terms and conditions available in original standard”

(Signature of Contractor)  
(Seal of the firm)

#### 08. That I have not been blacklisted by any Govt. Department.

09) Scanned copy of NIT will be signed by contractor and same will be uploaded in e-portal.

**Note: EMD should be deposited on due date and time in sealed envelope in the office of “DIG, SHQ BSF GSP ” in Account branch.**

### List of Documents to be Submitted through Tender Box in the Office of DIG, SHQ BSF GSP (Account branch) in Two Envelope system ( i.e EMD and Others documents are in another envelope ) with name of Work.

1. Original Earnest Money, which has been scanned and uploaded through online.

**Govt. of India**  
**BORDER SECURITY FORCE**  
**Notice Inviting e-Tender**  
**CPWD-6 FOR e-Tendering**

Deputy Commandant/EE (Elect), Ftr HQ BSF PB invites on behalf of President of India Online percentage rate tender two bid system from approved and eligible contractors of CPWD and those of appropriate approved list of department of MES, BSNL, Railways and state PWD for the work of **“Providing LED Street/Security Lights in Campus of 174 Nos BOPs along Indo-Pakistan Border(IPB) & Indo Bangladesh Border (IBB)(SH:Providing & fixing of security light along the periphery of BOP Paharipur of 121 BN (Now109 BN) BSF under SHQ BSF Gurdaspur”**

The enlistment of the contractors should be valid on the last date of submission of bids.

In case 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 10,95,936/- 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 ~~Intending bidders is eligible to submit the bid provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having satisfactorily completed similar works of magnitude specified below:-~~  
 Criteria of eligibility for submission of bid documents
- 1.2.1 ~~Conditions for Non-CPWD contractors only, if bids are also open to non-CPWD contractors. For works estimated cost up to Rs. 15 Crore (the figure of Rs. 15 Crore may be modified as per bidding limit of CPWD class I/ Group A contractors of respective discipline such as Electrical, Horticulture and Furniture etc. as the case may be) Three similar works each of value not less than Rs. .... or two similar work each of value not less than Rs. .... or one similar work of value not less than Rs. .... (all figures rounded to nearest Rs.10 lac) in last 7 years ending last day of the month previous to the one in which the bids are invited.~~
- ~~Note : For works costing above Rs. 3 Crore but up to Rs. 15 Crore, ( the figure of Rs. 3 Crore and Rs. 15 Crore may be modified as per bidding limit of CPWD class II/ Group B and CPWD Class I/ Group A contractors respectively of respective discipline such as Electrical, Horticulture and Furniture etc. as the case may be) when bids are open to non-CPWD contractors also, then class II contractors of CPWD shall also be eligible if they satisfy the eligibility criteria specified in 1.2.1 above.~~
- 1.2.2 ~~Criteria of eligibility for CPWD as well as non-CPWD contractors. For works estimated to cost above Rs. 15 Crore. (the figure of Rs. 15 Crore may be modified as per bidding limit of CPWD class I/ Group A contractors of respective discipline such as Electrical, Horticulture and~~

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil

JE

AE

EE

Furniture etc. as the case may be) Three similar works each of value not less than Rs. .... or two similar work each of value not less than Rs. .... or one similar work of value not less than Rs. .... (all figures rounded to nearest Rs.10 lac) in last 7 years ending last day of the month previous to the one in which the bids are invited. The value of executed works 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 to the last date of submission of bid.

**To become eligible for issue of bid, the bidders shall have to furnish an affidavit as under:-**

I/We undertake and confirm that eligible similar works(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for bidding 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. (Scanned copy to be uploaded at the time of submission of bid)

- 1.2.3 ~~When bids are invited from non CPWD contractors and CPWD class II contractors as per provisions of clause 1.2.1 above, it will be mandatory for non CPWD contractors and CPWD class II contractors to upload the work experience certificate(s) and the affidavit as per the provisions of clause 1.2.2. But for such bids, Class I contractors of CPWD are eligible to submit the bids without submission of work experience certificate and affidavit. Therefore, CPWD class I contractors shall upload two separate letters for experience certificate and affidavit that these documents are not required to be submitted by them. Uploading of these two letters is mandatory otherwise system will not clear mandatory fields.~~
2. Agreement shall be drawn with the successful bidders on prescribed Form No. CPWD 7/8 (or other Standard Form as mentioned) which is available as a Govt. of India Publication and also available on website [www.eprocure.gov.in](http://www.eprocure.gov.in) . Bidders shall quote his 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 **120 Days** as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.
4. The site for the work is available.  
OR  
The site for the work shall be made available in parts as specified below:-  
.....
5. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen on website [www.eprocure.gov.in](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 bid as notified.
7. While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.
8. When bids are invited in three stage system and if it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted then the bid submitted earlier shall become invalid.
9. **The EMD can be paid in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee including e- Bank Guarantee from any of the Commercial Banks. The intending bidder has to fill all the details such as Banker's name, Demand Draft/Fixed Deposit Receipt/ Banker's Cheque / Bank Guarantee number, amount and date.EMD shall be made / issued only from the account of the bidder / tenderer**

submitting the bid / tender. EMD made / issued from the account other than that of the bidder / tenderer submitting the bid shall not be accepted.

- (i) ~~Cost of Bid Document – Nil/ drawn in favour DIG SHQ BSF GSP.~~
- (ii) ~~Treasury Challan or Demand Draft or Pay Order or Deposit at Call Receipt or FDR or Bank Guarantee against EMD, Cost of Bid Document shall be placed in single sealed envelope super scripted as “Earnest Money” with name of work and due date of opening of the bid also mentioned thereon.~~  
 Copy of Enlistment Order and certificate of work experience and other documents as specified in the press notice shall be scanned and uploaded to the e-Tendering website within the period of bid submission and certified copy of each shall be deposited in a separate envelop marked as “Other Documents”.  
 Both the envelopes shall be placed in another envelope with due mention of Name of work, date & time of opening of bids and to be submitted in the office of Account branch DIG, SHQ BSF GSP after last date & time of submission of online bid and up to 1100 Hrs on XX/XX/2026 The documents submitted shall be at 1100 Hrs on XX/XX/2026  
 Online bid documents submitted by intending bidders shall be opened only of those bidders, whose Earnest Money Deposit and other documents placed in the envelope are found in order. The bid submitted shall be opened at 1200 Hrs on XX/XX/2026
10. The bid submitted shall become invalid if:
- (i) The bidder is found ineligible.
  - (ii) The bidders do not upload all the documents (including GST registration) as stipulated in the bid document.
  - (iii) If the bidder doesn't deposit EMD before opening of technical bid and within prescribed due date and time.
  - (iv) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the tenderer in the office of tender opening authority.
11. The contractor whose bid is accepted will be required to furnish performance “(a) 5% of Tendered value or Estimated cost put to tender (ECPT) whichever is higher (b) Where the Tender amount is less than eighty percent (80%) of the estimated cost put to Tender, 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” 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/ 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.
12. Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. Bidders shall be deemed to have full knowledge of the site

Whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidders shall be responsible for arranging and maintaining at His own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidders implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.

13. The competent authority on behalf of the President of India does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidders shall be summarily rejected.
14. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable for rejection.
15. The competent authority on behalf of President of India reserves to himself the right of accepting the whole or any part of the bid and the bidders shall be bound to perform the same at the rate quoted.
16. The contractor shall not be permitted to bid for works in the ~~BSF & CPWD Circle (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 gazette officer in the ~~Central Public Works Department /BSF~~ or in the ~~Ministry of Urban Development/ MHA~~. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.
17. No Engineer of Gazetted Rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be canceled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the bid or engagement in the contractor's service.
18. The bid for the works shall remain open for acceptance for a period of seventy five (75) days from the date of opening of bids. If any bidders withdraws his bid before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the bid which are not acceptable to the department, then the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the bidders shall not be allowed to participate in the rebidding process of the work.
19. This notice inviting Bid shall form a part of the contract document. The successful bidders/contractor, on acceptance of his bid by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of:-

- a) The Notice Inviting Bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
- b) Standard C.P.W.D. Form 7/8 or other Standard C.P.W.D. Form as applicable.

## 20. For Composite Bids

- 20.1.1 ~~The Executive Engineer in charge of the major component will call bids for the composite work. The cost of bid document and Earnest Money will be fixed with respect to the combined estimated cost put to tender for the composite bid.~~
- 20.1.2 ~~The bid document will include following three components:~~
- Part A:- ~~CPWD 6, CPWD 7/8 including schedule A to F for the major component of the work, Standard **General Conditions of Contract for CPWD 2010 as amended/modified up to CON-260-DT-15-03-2012.**~~
- Part B:- ~~General / specific conditions, specifications and schedule of quantities applicable to major component of the work.~~
- Part C:- ~~Schedule A to F for minor component of the work. (SE/EE in charge of major component shall also be competent authority under clause 2 and clause 5 as mentioned in schedule A to F for major components), General/specific conditions, specifications and schedule of quantities applicable to minor component(s) of the work.~~
- 20.1.3 ~~The bidders must associate himself, with agencies of the appropriate class eligible to bid for each of the minor component individually.~~
- 20.1.4 ~~The eligible bidders shall quote rates for all items of major component as well as for all items of minor components of work.~~
- 20.1.5 ~~After acceptance of the bid by competent authority, the EE in charge of major component of the work shall issue letter of award on behalf of the President of India. After the work is awarded, the main contractor will have to enter into one agreement with EE in charge of major component and has also to sign two or more copies of agreement depending upon number of EE's/DDH in charge of minor components. One such signed set of agreement shall be handed over to EE/DDH in charge of minor component(s). EE of major component will operate part A and part B of the agreement. EE/DDH in charge of minor component(s) shall operate Part C along with Part A of the agreement.~~
- 20.1.6 ~~Entire work under the scope of composite bid including major and all minor components shall be executed under one agreement.~~
- 20.1.7 ~~Security Deposit will be worked out separately for each component corresponding to the estimated cost of the respective component of works. The Earnest Money will become part of the security deposit of the major components of work.~~
- 20.1.8 ~~The main contractor has to associate agency(s) for minor component(s) conforming to eligibility criteria as defined in the bid document and has to submit detail of such agency(s) to Engineering charge of minor component(s) within prescribed time. Name of the agency(s) to be associated shall be approved by Engineer incharge of minor component(s).~~

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil

JE

AE

EE

- 20.1.9 ~~In case the main contractor intends to change any of the above agency/agencies during the operation of the contract, he shall obtain prior approval of Engineer-in-charge of minor component.  
The new agency/agencies shall also have to satisfy the laid down eligibility criteria. In case Engineer-in-charge is not satisfied with the performance of any agency, he can direct the contractor to change the agency executing such items of work and this shall be binding on the contractor.~~
- 20.1.10 ~~The main contractor has to enter into agreement with contractor(s) associated by him for execution of minor component(s). Copy of such agreement shall be submitted to EE/DDH in charge of each minor component as well as to EE in charge of major component. In case of change of associate contractor, the main contractor has to enter into agreement with the new contractor associated by him.~~
- 20.1.11 ~~Running payment for the major component shall be made by EE of major discipline to the main contractor. Running payment for minor components shall be made by the Engineer in charge of the discipline of minor component directly to the main contractor.~~
- 20.1.12 ~~Final bill of whole work shall be finalized and paid by the EE of major component. Engineer(s) in charge of minor component(s) will prepare and pass the final bill for their component of work and pass on the same to the EE of major component for including in the final bill for composite contract.~~

Note: All strikeout lines treated as deleted.

**GOVERNMENT OF INDIA  
BORDER SECURITY FORCE  
Percentage Rate Tender & Contract for Works**

**(A) Tender for the work of: - Providing LED Street/Security Lights in Campus of 174 Nos BOPs along Indo-Pakistan Border(IPB) & Indo Bangladesh Border (IBB)(SH:Providing & fixing of security light along the periphery of BOP Paharipur of 121 BN (Now109 BN) BSF under SHQ BSF Gurdaspur.**

To be submitted by 1100 Hrs on XX/XX/2026 to **DIG, SHQ BSF GSP**

(i) To be opened in presence of tenderers who may be present at 1200 hours on XX/XX/2026 in the office of DIG SHQ BSF GSP

Issued to .....

Signature of officer issuing the documents .....

Designation. ....

Date of Issue .....

**TENDER**

I/We have read and examined the notice inviting tender, schedule, A, B, C, D, E & F Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the President of India within the time specified in Schedule 'F' viz., schedule of quantities and in accordance in all respect with the specifications, designs, drawing 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 respect of accordance with, such conditions so far as applicable.

We agree to keep the tender open for 75 days from the due date of its opening / seventy five days from the date of opening of financial bid in case tenders are invited on 2/3 envelop system (strike out as the case may be) and not to make any modification in its terms and conditions.

A sum of **Rs 21,918/-** is hereby forwarded 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

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil

JE

AE

EE

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 the 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 the tender form. Further, I/We agree that in case of forfeiture of 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 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 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 authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

Dated:

Signature of Contractor

Witness:

Postal Address

Address:

Occupation:

**ACCEPTANCE**

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for an 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:-

- (a)
- (b)
- (c)

For & on behalf of President of India

Signature .....

Designation .....

Dated:

## PROFORMA OF SCHEDULES CPWD

(Separate Performa for Civil, Elect. & Hort. Works in case of Composite Tenders)

### SCHEDULE 'A'

Schedule of quantities (as per PWD-3) Page No 35 to 39 For Works.

### SCHEDULE 'D'

Extra schedule for specific requirements/document for the work, if any.

NIL

### SCHEDULE 'E'

Reference to General Conditions of contract.-

General conditions of contract for CPWD works-2020 with amendments issued up to the last date of receipt of tender.

Name of Work: **Providing LED Street/Security Lights in Campus of 174 Nos BOPs along Indo-Pakistan Border(IPB) & Indo Bangladesh Border (IBB)(SH:Providing & fixing of security light along the periphery of BOP Paharipur of 121 BN (Now109 BN) BSF under SHQ BSF Gurdaspur.**

(i) Estimated cost of work : **Rs. 10,95,936/-**

(ii) Earnest Money : **Rs. 21918/-**

(iii) Performance Guarantee : **(a) 5% of Tendered value or Estimated cost put to tender (ECPT) whichever is higher.**  
**(b) Where the Tender amount is less than eighty percent (80%) of the estimated cost put to Tender, 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.**

(iv) Security Deposit : 2.5% of tendered value

### SCHEDULE 'F'

#### GENERAL RULES & DIRECTIONS

Officer Inviting Tender :

**Deputy Commandant / EE (Elect)  
Ftr HQ BSF PB**

Maximum percentage for quantity of Items of work to

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil

JE

AE

EE

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 : Deputy Comdt /EE (Elect) , Ftr HQ BSF PB
- 2(viii) Accepting Authority : Dy Comdt/EE (Elect) Ftr HQ BSF PB
- 2(x) Percentage on cost of materials and labour to cover all overheads and profits. : 15%
- 2(xi) Standard Schedule of Rates : DSR-2022 with Correction slips issued up to the last date prescribed for submission of tender and market rate.
- 2(xii) Department : BSF
- 9(ii) Standard CPWD contract Form GCC 2023 : Yes.  
CPWD form 7/8 as modified and corrected upto date
- Clause 1**
- i) Time allowed for submission of Performance guarantee from the date of Issue of letter of acceptance in days. : 07 days
- ii) Maximum allowable extension With late fee @ 0.1% per day of Performance Guarantee amount beyond the period provided in (i) above (1 to 15 days) : 15 Days.
- Clause 2**  
Authority for fixing compensation under clause2. : SE(Elect)/Comdt (Elect), FHQ, BSF CGO Complex, New Delhi.
- Clause 2A**  
Whether clause 2 A shall be applicable : Yes
- Clause 5**  
Number of days from the date of issue of letter of acceptance for reckoning date of start Mile stone(s) as per table given below: : 15 days

**TABLE OF MILE STONE (S)**

S.No.	Description of milestone (Physical)	Time Allowed in days (from date of start)	Amount to be with-held in case of non achievement of milestone
NIL			

Time allowed for execution of work. : 120 DAYS

**Authority to decide:**

- (i) Extension of time : Dy Comdt/EE(Elect)  
FTR HQ BSF PB
- (ii) Rescheduling of Milestones : Dy Comdt/EE(Elect)  
FTR HQ BSF PB
- (iii) Shifting of date of start in case : Dy Comdt/EE(Elect)

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil

JE

AE

EE

## PROFORMA OF SCHEDULES Clause 5 Schedule of handing over of site

Part	Portion of site	Description	Time Period for handing over reckoned from date of issue of letter of intent.
Part A	Portion without any hindrance		
Part B	Portions with encumbrances		
Part C	Portions dependent on work of other agencies		

**Clause 5 A**

Applicable Clause 5/clause 5A) : **Applicable**

**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. : **25% of Contract value**

**Clause 7A**

Whether clause 7A shall be applicable : **Applicable**

**Clause 10 A**

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

**Clause 10B(ii)**

Whether clause 10 B (ii) shall be applicable? : **No**

**Clause 10 C**

Component of labour expressed as percent of value of work : **Not Applicable**

---

**Clause 10CC** : **Not applicable**

**Clause 11**

Specifications to be followed for execution of work : **Electrical CPWD specifications Internal & External, labour act and rules with revisions and correction slips issued up to dated**

**Clause 12**

Authority to decide deviation upto 1.5 of Tender Amount : **EE/SE(Elect)**

**12.2 & 12.3**

Deviation limit beyond which clauses 12.2 & 12.3 : **100 %**

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil      JE                      AE                      EE

shall apply for building work.

- 12.5 (i) Deviation Limit beyond which clauses 12.2. & 12.3 shall apply for foundation work (except earthwork). : 100%
- (ii) Deviation Limit for items in earthwork subhead of DSR or related items 100%

**Clause 16**

Competent Authority for deciding reduced rates

: SE(Elect)/Comdt (Elect), FHQ, BSF

**Clause-18:- List of mandatory machinery, tools**

Plants to be deployed by the contractor of Engg in charge. As per requirement at site and as per direction

**Clause 19C** Authority to deciding penalty for each default – SE(Elect)/Comdt (E) FHQ BSF/EE(E)

**Clause 19D** Authority to deciding penalty for each default – SE(Elect)/Comdt (E) FHQ BSF/EE(E)

**Clause 19G** Authority to deciding penalty for each default – SE(Elect)/Comdt (E) FHQ BSF/EE(E)

**Clause 19K** Authority to deciding penalty for each default – SE(Elect)/Comdt (E) FHQ BSF/EE(E)

**Clause 25**

**Constitution of Dispute Redressal Committee (DRC) for total claims more than Rs. 25 Lacs:**

1. Chairman – IG of concerned Ftr.
2. Member –DIG of some other Ftr.
3. Member- Any nominated officer by concerned Ftr IG
4. Member- Concerned EE (Only to present the case).

**Constitution of Dispute Redressal Committee (DRC) for total claims upto Rs. 25 Lacs:**

1. Chairman – DIG of some other Sector to be nominated by concerned IG.
2. Member- DC of some other sector to be nominated by IG.
3. Member- Senior Accountant/AO of Ftr. to be nominated by IG
4. Concerned Assistant Engineer (Only to present the case).

\*\*\*\*Ftr. IG is competent to appoint DRC in both cases.

**Clause 32**

**“Requirement of Technical representative and recovery rate”**

“Requirement of Technical Representative(s) and Recovery Rate”							
S.No.	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical/ Technical representative)	Minimum experience	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of Clause 36(i)	
						Figure	Words
1.	Graduate Engineer or Diploma Engineer	Elect	Principal Technical Representative (Project Planning/site /billing Engineer)	2 years or 5 years	1	15,000/- Per Month	Fifteen Thousand per month
<p>“Assistant Engineers retired from Government services that are holding Diploma will be treated at par with Graduate Engineers.”</p> <p>Diploma holder with minimum 10 year relevant experience with a reputed construction co. can be treated at par with Graduate Engineers for the purpose of such deployment subject to the condition that such diploma holders should not exceed 50% of requirement of degree engineers.</p>							

## INTEGRITY PACT

To,

.....,

.....,

.....

Sub: NIT No.      /Engg(E)/Tender/Ftr PB/2026-27

**For the work: - Providing LED Street/Security Lights in Campus of 174 Nos BOPs along Indo-Pakistan Border(IPB) & Indo Bangladesh Border (IBB)(SH:Providing & fixing of security light along the periphery of BOP Paharipur of 121 BN (Now109 BN) BSF under SHQ BSF Gurdaspur.**

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

DC/Executive Engineer (Elect)

## INTEGRITY PACT

To,  
DC /Executive Engineer (Elect)  
Ftr HQ BSF PB

Submission of Tender for - **Providing LED Street/Security Lights in Campus of 174 Nos BOPs along Indo-Pakistan Border(IPB) & Indo Bangladesh Border (IBB)(SH:Providing & fixing of security light along the periphery of BOP Paharipur of 121 BN (Now109 BN) BSF under SHQ BSF Gurdaspur.**

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 .....20.....

**BETWEEN**

President of India represented through Executive Engineer  
(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 "....." (**herein after 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.

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil

JE

AE

EE

- (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.

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil

JE

AE

EE

- 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 anti corruption 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**



## FORM OF EARNEST MONEY (BANK GUARANTEE)

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 Executive Engineer) (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 this ..... 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 of 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 substantiate his demand, provided that in his demand the Engineering-Charge will note that the amount claimed by him 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

**Form of Performance Security (Guarantee)**  
**Bank Guarantee Bond**

In consideration of the President of India (hereinafter called "The Government") having offered to accept the terms and conditions of the proposed agreement between.....and ..... (hereinafter called "the said Contractor(s)") for the work..... (hereinafter called "the said agreement") having agreed to production of an irrevocable Bank Guarantee for Rs. .... (Rupees ..... only) as a security/guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.

1. We, ..... (hereinafter referred to as "the Bank") hereby undertake to pay to the Government an amount not exceeding Rs. .... (Rupees..... Only) on demand by the Government.

2. We, .....(indicate the name of the Bank) do hereby undertake to pay the amounts due and payable under this guarantee without any demure, merely on a demand from the Government stating that the amount claimed as required to meet the recoveries due or likely to be due from the said contractor(s). Any such demand made on the bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. .... (Rupees .....only)

3. We, the said bank further undertake to pay the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the Contractor(s) shall have no claim against us for making such payment.

4. We, ..... (indicate the name of the Bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the Government under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till Engineering-Charge on behalf of the Government certified that the terms and conditions of the said agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges this guarantee.

5. We, ..... (indicate the name of the Bank) further agree with the Government that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligation hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said Contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor(s) and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor(s) or for any forbearance, act of omission on the part of the Government or any indulgence by the Government to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s).

7. We, ..... (indicate the name of the Bank) lastly undertake not to revoke this guarantee except with the previous consent of the Government in writing.

8. This guarantee shall be valid up to .....unless extended on demand by the Government. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs.

..... (Rupees .....) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged.

Dated the .....day of .....for.....(indicate the name of the Bank)

# PART – B

**NAME OF WORK: - Providing LED Street/Security Lights in Campus of 174 Nos BOPs along Indo-Pakistan Border(IPB) & Indo Bangladesh Border (IBB)(SH:Providing & fixing of security light along the periphery of BOP Paharipur of 121 BN (Now109 BN) BSF under SHQ BSF Gurdaspur.**

## TECHNICAL SPECIFICATIONS FOR E.I WORK

- 01 All hardware items such as screws, G.I wires etc. Which are essentially required for completing on 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 junction 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, is 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 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 , the same shall be of only make.
- 10 The MCB distribution boards shall be factory fabricated in 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.
- 12 All fitting/fans will be earthed as per specifications.

## ADDITIONAL SPECIFICATIONS (INTERNAL E.I)

- 01 The work shall be carried out strictly in accordance with CPWD specification for electrical work Part-I internal 2013 and 1995 (external) as amended up to date and in accordance with Indian electricity Rules 1956, Indian electricity Act , 2003 as amended up to date and as per instructions of the Engineer-In-Charge including as below and nothing will be paid extra.
- 02 All materials to be used o this work by the contractor shall be got approved form the Engineer-In Charge and department. Has right to inspect the materials at manufacturer place before installation at site.

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil

JE

AE

EE

- 03 The work shall be carried out according to approved drawing/details which shall be subsequently issued to the successful 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.
- 04 All damages done to the buildings, roads, pathways, floors, wall during the execution of electrical work shall be the responsibility of the contractor and the same will be made good immediately at his own cost to the satisfaction of the Engineer-In-Charge . Any expenditure incurred by the Engineer-In-Charge about recovery shall be the final.
- 05 The bad workmanship will not be accepted and defects shall be rectified at contractors cost of satisfaction of the Engineer-In-Charge. The program of the electrical work are to be coordinated in accordance with the building work and no claim for idle labor will stipulated in the tender, electrical work shall have to be completed within \_\_\_\_ days of the completion of the civil work.
- 06 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.
- 07 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.
- 08 Cement for this bonafied work is to be arranged and used by the contractor himself and nothing extra will be paid on this account.
- 09 The contractor of 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.
- 10 The size of conduit and wire shall be got approved from the Engineer-In-Charge before taking up to the execution.
- 11 The contractor shall make his own arrangement at his own cost for electrical/general tools and plants required for the work.
- 12 Main board and main distribution board: The work shall be carried out according to the drawing /details as approved by the Engineer-In-Charge. It will also include interconnections.
- 13 The contractor shall have to get the samples of material approved before bringing the material at site within 7 days from the date of issue of commencement letter for approval of Engg in charge.
- 14 No central/state sale tax/GST/Contract tax/excise duty etc. Shall be separately paid by the department. The rates should be inclusive of all taxes and duties (exclusive of service tax) 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 on his own.
- 15 The entire installation shall be at the risk and responsibility of the contractor until these are tested and handed over to the department. However, 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.
- 16 No withstanding 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.
- 17 The connection, interconnection, earthing and inter earthing shall be done by the contractor wherever required and nothing extra shall be paid on this account.
- 18 Some of the items of the work, if already executed: on the case the successful renderer shall required shall be used by the contractor. The recovery will made for these items as accepted rate of other agencies.
- 19 Nothing extra shall be paid for :- a) Inter connection with thimbles /wires /tapes etc.

- 20 The competent authority reserve to himself the right of accepting the whole or any part of the quotation shall be bound to perform the rate quoted.

### **ADDITIONAL TERMS AND CONDITIONS FOR ELECTRIC WORKS**

1. The work shall be carried out as per CPWD specifications for Electrical Work internal 2013 & 2023 and external 1994) ,sub-station amended up to date & manufacturer specifications and laid down instruction in CPWD works Manual 2024 & SOPs & 2024
2. All the dismantle material will be the property of BSF and same will be deposited by the contractor to JE (Elect).
3. The make of MCCB shall be GE/ Schneider/L&T/ABB. The decision of Engg in charge in regard to use of any particular make out of mentioned brands as per manufacturer specifications shall be binding to contractor.  
**Scheinder -CVS -Breaking Capacity (KA) ICU as per IEC 60947-2**  
**L&T –D-sine DU/DH- Breaking Capacity (KA) ICU as per IEC 60947-2**  
**ABB-as per manufacturer specifications**
4. The price quoted shall be net and inclusive of all type of taxes.
5. Taxes as applicable will be deducted in the bill as per latest provisions of Govt. of India.
6. The work is required to be executed in restricted area and the contractor shall abide by the instructions/written directive of BSF officials regarding working hours and entry in the building/area. No claim shall be entertained on this account.
7. All material to be provided at site shall have to be got approved from Engineer-in-charge before use at site. The decision of the Engineer in charge in regard to use of any particular brand/make shall be final and binding on the contractor.
8. No road cutting will be done without approval of Engg in charge. Digging of soil below the road will be done without cutting the road and making the space for laying of cable protection pipe of required size.
9. Only specified material will be utilized in the work. Any inferior work shall be summarily rejected.
10. Wherever required by the Engineer-in-Charge , the material shall be got tested by the supplier and all charges like packing/testing etc shall be borne by the supplier only.
11. Any damage done to the installation during execution of work shall be responsibility of the contractor and shall have to be repaired free of cost.
12. Any serviceable item within the dismantle material will be the property of the deptt.
13. The material can also be inspected at the manufacturer premises as per direction of Engineer-in-Charge/ department. The contractor will intimate the date of inspection to the department.
14. The original test certificate of all electrical items carried out by the manufacturer will be submitted by contractor/firm if required by the department.
15. Drawing of the panels shall be approved by the Department before fabrication and will be submitted by the contractor.
16. Panel/Joint box shall be manufactured by CPRI approved manufacturer and inspection of the panels will be carried out by department at manufacturer premises.
17. The material shall be supplied at site for which no transportation charges and road permit will be issued by the Department. No extra charges for loading and unloading of material will be paid by the department.
18. With regard to any confusion/misinterpretation in the schedule of item to be executed, the analysis of rates for item derived will be the base of execution of said item or decision of Engg in charge will be final and binding to the contractor.
19. Material to be supplied should be as per the CPWD electrical and manufacturer's specification. BIS specification and IS code specify for the material to be supplied be followed otherwise it will not be accepted and will be replaced by the contractor at his own risk and cost.

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil

JE

AE

EE

20. The equivalent make electrical items as specified in approved make list should have the same technical parameters/rates/specifications and may be used only with the approval of Engg in charge.
21. Each panel should have danger notice plate on the bus bar.
22. Contractor will submit the detail of measurement of cable to be laid along with the drawing for approval by Engg in Charge before starting the work and on completion of work before preparing the bill.
23. All the test reports required for wiring/earthing work as per internal specification and substation work will have to be submit by the contractor as and when desired by Engg in charge.
24. Contractor will submit the computerized sketch diagram of complete rewiring showing the main and distribution panels, new UG cable laid sketch diagram with size of cable after completion of work. Nothing shall be paid on account of this.
25. The contractor/supplier will give manufacturer Warrantee/guarantee as applicable on indoor/outdoor fixtures.
26. No advance payment shall be made to the firm.
27. The contractor will give six month Warrantee/guarantee of the material (except those whose warranty/guarantee already prescribed by the manufacturer/company or as mentioned in the acceptance makes))to be used in the work from the date of completion for any manufacturing defect and will replaced the defective items/parts free of cost during said period.
28. Contractor will be bound to accept all the decisions require to be taken by the Engg In charge during execution of work.
29. The contractor may be asked to submit the copy of the bill regarding purchase of material from manufacturer or authorized stockiest of manufacturer as well as submit the genuineness certificate if required by department .
30. Rates quoted by contractor should be inclusive of rates of dismantling the existing item. Nothing shall be paid extra on account of this.
31. Contractor will provide the warranty /guarantee card/ certificate of all electrical items make and model fitted at site of work as offered by manufacturer to the department before preparation of bill.
32. The material can also be inspected at the manufacturer premises.
33. The original test certificate of cable tested carried out by the manufacturer shall also be submitted by the contractor.
34. The material shall be supplied at site for which no transportation charges toll tax, road permit will be paid by the Department.
35. The make of material not mentioned should be as per BIS.
36. Contractor will submit the detail of measurement of work carried out to JE(E) for verifying at site & preparation of bill.
37. Competent authority reserves the rights to accept/reject any tender without any intimation.
38. Lowest rates offered by contractor/supplier will be valid up to completion of work from the date of issue of award of work.
39. If the category and product code of material to be used in the manufacturer latest price list changes the contractor will be bound to provide the material as per the price list in vogue and decision of Engg in charge with regard to make will be final and binding to the contractor
40. Security as applicable per the terms and condition will be deducted in the bill.
41. The rates quoted by firm for each item in the schedule shall be inclusive of dismantling the existing item. No extra charges will be paid on account of this.
42. Contractor will be responsible for any injury/accident and safety of labour deployed by him. All the safety equipment's (as per electricity rules) required while the contractor to labor will give execution of work & nothing shall be paid extra on account of this.

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil

JE

AE

EE

43. Contractor will submit the sample of material to be used in the work within 7 days from the date of issue of acceptance letter for approval of Engg in-charge. The sample will be retained by the department and will be released during final execution of work
44. If agency is fail to deposit PG money in stipulated time his tender will be cancelled without any notice & EMD will be forfeited.
45. If contractor fails to start the work within 30 days of the given time without any valid reason from the date of issue of commencement letter, the work may be cancelled. EMD and PG money will be forfeited without issuing any notice.
46. Contractor is bound to sign the agreement within the given time in commencement letter otherwise action will be initiated as per tender/work clauses OR work can also be cancelled.
47. Contractor will survey the site before starting the work and submit the measurement of material/inventory of work required/cable required for execution to AE/JE before start of work. Any material brought by the contractor at site without measurement / bringing into the notice of Engg in charge will not be payable.
48. Contractor will give demonstration of the indoor/outdoor electrical fixtures (where necessary as per requirement of the department) of the requisite make and model mentioned in the schedule at site and fix the material only after observing all the technical parameters, performance and up to satisfaction of Engg in charge.
49. Wherever required by the Engineer-in-Charge ,the work/fabricated material such as Panel/joint box shall be got tested by the contractor at Govt Lab and all for testing charges shall be borne by the contractor only.
50. The old panel will be dismantled by the contractor free of cost and material will be deposited to JE Store
51. All relevant codes as per electricity rules for execution of work will be followed.
52. Warranty of solar inverter will be 5 years and SPV module will be 25 years.
53. Contractor will have to submit the manufacturer/dealer bills of the purchased electrical items along with warranty/guarantee certificate if requisite by the department.
54. The incoming/outgoing locations should be marked on the panel. No charges will be paid to contractor in this regard.
55. If any Lock down announced by Govt of India/State Govt/BSF due to pandemic condition such as Covid-19 at present or any other and work remain suspended, nothing shall be paid to contractor during this period.
56. Labour to be engaged in work should have medical fitness certificate if required by the department. The contractor will also follow the guideline issued by Govt of India/State Govt during any pandemic and will follow the safety norms and be responsible for the safety of labours to be engaged in the work. No claim for any causality in this regard will be entertained.
57. If any make and model as specified in the NIT is not available in the market, contractor will submit non availability of material certificate from manufacturer and provide equivalent make & model having same technical parameters & specification, rate at par with specified model only after approval of Engg- in- charge.
58. Trail test of minimum three fittings as per the make & model specification in NIT or equivalent make as per direction of engineer in-charge will be given by the agency at site.
59. All the test report of the fittings provided to the engg in –charge by contractor along with sample to be given for trail test.
60. Contractor will submit all the necessary test report of VCB to department before dispatch of material .
61. Representative of department may visit the manufacturer premises to check the VCBs, conducting all vital test and cost will be home by contractor.
62. All the mandatory test after installation and prior to put on load on transformer as per manufacturer specification and electricity will be done in presence of Engineer in charge.
63. The EPF & ESIC amount will be reimbursed on production of documents of the concern department /Bank prior to preparing of every Bill.

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil

JE

AE

EE

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

S/N	Items	Makes
01	FRLS PVC insulated copper conductor single core cable	Havells//Polycab/RR Kabel/KEI
02	Telephone cable co-axial /TV cable/Lan Wire	Legrand /Anchor/ L&T/ Havells/ Polycab/KEI
03	MS/PVC conduit& accessories	AKG/BEC/ RMCOM/ MKI/ Precision (ISI Marked)
04	DWC pipe	Duraline/Jain Irrigation/Avadhpoly tube/ Gemini/ISI approved
05	Modular switch socket/telephone socket/cable TV socket/data outlay socket/fan regulator/metal boxes/occupancy sensor	Legrand/Hager/Scheinder/Crab-tree(Havells) /L&T/Anchor
06	Industrial type switch and socket	Legrand/Hager/Scheinder / Crab-tree(Havells) /L&T/Anchor
07	Steel tubular MS Pole & GI pipe (Medium Class)	Tata/Jindal(Hissar)/Bansal- /Surya/Swastik /Utkarsh (ISI Marked)
08	Paints	Asian/Berger/Nerolac
09	Terminal blocks and connector	Elmex/ Connect well/FTC
10	Compact air insulated rising mains	Legrand/Schneider/L&T/Siemens/C&S
11	MCB, MCBDB, RCBO's/RCCB, Isolator, Sheet Steel enclosure	Schneider /Legrand/Siemens/Hager/Havells
12	MCCB/Timer	Schneider -CVS/Legrand/ ABB/Siemens
13	SFU,FSU, HRC fuses, cable management system/DLP trucking	Schneider/Siemens/C&S/HPL/Havells
14	Ammeter/Voltmeter/Multifunctional Meter	Scheinder/L&T/ELMESRE/Secure/HPL/AE
15	Selector switch	Kaycee/Vaishno/L&T/Rishab/Scheinder
16	Changeover switch	HPL/Socomec
17	LED Indicating lamp	Scheinder/L&T/Vaishno/ABB
18	Panel board/feeder pillar	Manufacturer have ISO 9001 certification/CPRI approved/
19	Energy meter/Intelligent energy meter/Multifunctional	Schneider/L&T/ ELMESRE/Secure/AE/ABB/HPL
20	Ceiling fan BLDC 1200mm/1400mm (as per NIT/schedule) (Decorative/Non Decorative)	Ceiling Fan- USHA/Crompton/Havells /Baja/Orient
b)	Exhaust fans/refresh air fans/Wall fan	USHA (Aero clean plus) or equivalent make Havells /Baja/Orient/Almonard/Crompton
21	Flood Lights/ Security light of required wattage (as per Tender)	Flood light – Crompton Model No Spectacle Pro /Bajaj-PRAZE or equivalent make Havells/Wipro /Philips
22	LED Street/Road light of required wattage (as per NIT)) LUMEN INTENSITY >110 Lm/watt	<b>Crompton-RAPTOR PRO (HL) /Havells- ENDURA SUNDOWN TG, or equivalent make /Philips/ BAJAJ/Wipro</b>
23	LED Post top lantern	Philips/Bajaj/Crompton/Havells/Wipro/HPL
24	LED Tube/ LED Mirror Light with Poly Carbonate housing of required wattage (as per Schedule)	LED Tube Light -Crompton-Model TRIM LINEA NEU/Havells-LUMILINE, or equivalent make Philips /Wipro/Bajaj

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil

JE

AE

EE

	LED Tube/ LED Mirror Light with Aluminum housing of required wattage (as per Schedule))	LED Tube Light-Crompton-Model TRIMLINE NEU/Surya-Visco/Havells-LUMILINE PLUS, Bajaj –DAWN or equivalent Philips/ Wipro
25	LED Ceiling Fitting of required wattage (as per schedule)	Philips/Bajaj/Crompton/Wipro/Havells
26	LED Lamps/CFL of required wattage (as per Schedule)	Philips/Bajaj/Crompton/Wipro/Havells
27	LED Bulk head of required wattage (as per Schedule))	<b>Crompton-Model-STUD/Havells-Model-RUGBY/Bajaj-Wee plus</b> or equivalent make Philips/Wipro
28	LED Wall Bracket/ NON LED of required wattage (as per Schedule))	Philips Model 34303/Bajaj/Crompton/Wipro/Havells/
29	Angle holder /batten holder	Anchor/Kinjal /Cona/ Precision/ISI Make
30	Geyser	Havells /Racold/Crompton/Bajaj/Venus
31	Foot Valve, Sluice Valve /NRV/Gate valve/Butterfly Valve	Sant/leader/Kalpana/Zoloto/Kirloskar/Crescent
32	Ball, Gate, Globe Valve (Gunmetal/ISI marked)	Kirloskar/Sant/leader/Kalpana/Zoloto/Honeywell/Rapidcool/ Castle/Emerald
33	PVC conduit i/c Accessories ISI marked	AKG/BEC/RMCOM/MKI/Precision(ISI)/Polycab(ISI Marked)
34	Piano type switches/Sockets/TV/Telephone outlet (ISI mark)	Anchor/Kinjal/Cona/SSK/ ISI make
35	ACB	Seimens 3 WL/ L&T U-Power Omega/ Scheinder easy pact (MVS) /Legrand/ABB-Tmax
36	Protection Relays	L&T/Siemens/Minilec/PIC
37	Phenolic laminated sheet ISI marked	Hylum/Formika/Fine/Anchor
38	Transformer	Kirloskar/ABB/Crompton/Schneider
39	CTs/PTs 15 VA Class-I	Kappa/Rishab/AE/L&T/Logistate
40	MCB Protected Socket	Anchor/Havells/C&S/Scheinder/Legrand/Anchor-Penta
41	Battery	Exide/Amron/Sukam/Okaya
42	Alarm/Hooter 12V, Response Indication, Fire Alarm panel, Dector,MCP	Bosch/Siemens/Esser/Edwards/Vaishno
43	HDPE pipe	Duraline/Sudhakar/Supreme/Ajaplas/Prince/Rex/ISI make
44	Out door type Cable loop box	Hensel/Cape/Sintex
45	Octagonal Pole	Bajaj/Crompton/Volmont/Transrail/Crompton
46	UG Cable aluminum armoured Cable 1100 V grade	Havells/RR Kabel/Polycab/Gloster/KEI
47	Capacitor	Epcos/L&T/ Schendier/Neptune
48	Thimble/ Lugs& Cable glands	Dowells/Jainsons//Action/Wago/Gripwell/Cornet/Polycab
49	Rising Mains	L&T/C&S/Zeta/Tricolite
50	Octagonal Pole	Bajaj/Crompton/Volment/Transrail/Utkarsh
51	Water supply pump and fire pump	Kirloskar/Cromton/Colama/KSB/Texmo/Maller& Plant
52	Fire Extinguishers	Minimax/Lifeguard/Fire shield/Cease fire/D-flame
53	Star Delta Starter	L&T/Siemens/BCH/Scheinder
54	MS Pipe	Tata/Jindal-Hissar/ Bansal/Utkarsh /Swastik(ISI)
55	Lift	Otis/Koe/Johnson Lifts Pvt Ltd/Mitsubishi/Scheinder
56	M S Cable tray	Elcon/ GRENT/ Hutaib/Cable Tech
57	Anti Vibration Mountings	Dunlop/Resistoflex
58	Cable joints and end termination	Rayschem/3M/Klip Seal/Venus/Denson or approved by state electricity department

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil

JE

AE

EE

59	Bus Bar	Standard/Havells/HPL/L&T/ISI
60	Solar inverter/charge controller	Enertech/Luminous/PPS/SMA/Neo watt or other MNRE approved
61	SPV panel	BEL/BHEL/TATA/Vikaram/Usha or other MNRE approved
62	Sine wave inverter	Microtech/Luminous/Exide/Sukam or as per MNRE approved
63	PVC Box	Anchor/Scheinder/Legrand/ISI
64	GI BOX	Anchor/Scheinder/L&T/Legrand/ISI
65	Submersible Cable	KEI/Havells/polycab/RR/ISI
66	LED bed Lamp	Philips 48042/ Crompton/Havells/wipro
67	Iron Bars	Tata/Jindal/Jyoti
68	Rook Key cards	Legrand Cat No 681147/Scheinder/hager/ Gold medal
69	Contactora	Legrand Cat No 412545 & 412549/Scheinder/hager/ L&T

**Note:-The decision of the Engg-In-Charge in regard to use of any particular brand out of above mentioned brands and equivalent or other make shall be final and binding to the contractor.**

## SCHEDULE OF WORK

NAME OF WORK :- Providing LED Street/Security Lights in Campus of 174 Nos BOPs along Indo-Pakistan Border (IPB) & Indo Bangladesh Border (IBB) (SH: Providing & fixing of security light along the periphery of BOP Paharipur of 121 BN (Now109 BN) BSF under SHQ BSF Gurdaspur.					
S.N	Description of items	Qty	Unit	Rate	Amount
1	Supplying and drawing 3 x 1.5 sq.mm sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/recessed steel/ PVC conduit as required. ( for pole wiring )	232	Mtrs	101.01	23435.13
2	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, 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)				
	a) 6 way, Double door	5	Each	2345.64	11728.20
	b) 8 way, Double door	5	Each	2735.87	13679.35
3	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, 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)				
	a) 4 way (4 + 12), Double door	1	Each	4349.96	4349.96
4	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "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.				
	a) Single pole	62	Each	272.20	16876.70
	b) Double pole	13	Each	697.52	9067.82
5	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.	4	Set	7288.92	29155.69
6	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	2	Set	7944.98	15889.96
7	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	10	Mtrs	750.69	7506.90
8	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	418	Mtrs	74.43	31112.16

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil

JE

AE

EE

9	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.	20	Mtrs	305.17	6103.34
10	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL pipe as required.			0.00	0.00
	Upto 35 sq. mm	1170	Mtrs	39.34	46030.26
	Above 35 sq. mm and upto 95 sq. mm	400	Mtrs	60.61	24243.24
11	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.			0.00	0.00
	B) 3.5 x 25 sq. mm (28mm)	4	Each	332.81	1331.25
	B) 3.5 x 50 sq. mm (35mm)	3	Each	439.14	1317.43
12	Providing, laying and fixing 100mm dia G.I. pipe (medium class) in ground complete with G.I. fittings including trenching (75 cm deep)and re-filling etc as required	20	Mtr	1920.32	38406.40
13	Supplying and Laying of size 63 mm dia(OD-63 mm & ID-51 mm nominal) DWC HDPE pipe ISI marked along with all accessories like socket,bend,couplers etc.conforming to IS 14930, Part II completed with fitting and cutting jointing etc.direct in ground(75 cm below ground level)including excavation and refilling the trench but excluding sand cushioning and protective covering etc, complete as required	1500	Mtrs	262.64	393952.65
14	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	35	Each	219.04	7666.39
15	Earth work in excavation by mechanically means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth,1.5m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth, lead up to 50 m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed. All kinds of soil ( .70 mtr width X .70 mtr length X 1 mtr depth =0 .49 cum for each pole)	10.25	Cum	169.42	1736.56
16	Providing and laying in position specified grade of reinforced cement concerte, excludilng the cost of centering ,shuttering, finishing and reinforcement-all work up to plinth level: 1:1.5:3 ( 1 cement: 1.5 coarse sand: 3 graded stone aggregate 20 mm nominal size) ( .60 mtr width X .60 mtr lenth X 1.6 mtr depth = .576 cum for each pole)	12.09	Cum	8633.84	104383.13

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil

JE

AE

EE

17	Centering and shuttering including stutting, propping etc. and removal of form of : Foundations, footings, bases of columns, etc. for mass concrete ( for one side .60 mtr width X 1.60 mtr lenth = .96 sqmtr for four sides .96x4 = 3.48 sqmtr for each pole)	73.08	Sqm	374.29	27353.11
18	Steel reinforcement for R.C.C. work including straightening , cutting, bending, placing in position and binding all complete above plinth level. (Thermo Mechanically Treated bars) a) 12 mm steel for vertical of 08 nos x 1.6 mtr lenth = 12.8 mtr Weight 12.8 x 0.88 kg/mtr = 11.264 kg b) 08 mm steel for horizontal of 06 nos x 2.5 mtr lenth = 15 mtr Weight 15 x 0.39 kg/mtr = 5.85 kg Total weight for each pole a + b = 17.11 kg	359.31	Kg	102.94	36987.37
19	Supplying and fixing of C curve 1 Nos MCB 6-32 Amp on din bar along with 6 mm thick bakelite sheet of suitable size(as per drawing issued by engineer in charge) and 4way heavy duty connector or 2 way brass connector (02 Nos hole type) mounted on 6mm thick bakelite sheet & making holes to fix the sheet & should be provided for incoming and outgoing cables connection in the existing chamber/Din Bar of pole.	21	Each	1126.00	23646.00
20	Installation testing and commissioning 45 watt LED street light in existing 7 Mtr high octagonal pole and making connection etc as per site requirement	28	Each	433.00	12124.00
21	SITC of various sizes water protected outdoor (Water proof) hut type compartmentalized type double door cubical panel both side opening having depth up to 450 mm suitable for 415 Volt, 3 phases, 50 Hz made out of 2mm thick CRCA sheet with required hardware duly painted with powder coated .Panel having separate detachable gland plate, angle iron base frame made out of 50mmx50mmx5mm angle iron of suitable size of the feeder pillar (minimum height 60cm), hinged door, both side opening with locking arrangement, earth bar/stud, led pilot light for phase indicator (R,Y,B) on top, 400A/415V 4 strip aluminum bus bar duly PVC sleeved, connection inter-connection with 25% extra current carrying capacity of MCCBs and solid copper conductor cable 10 sqmm/ solid aluminium rod for MCCBs (approved by Engg in charge) for incoming/Outgoing cables, links for spare MCCBs, heavy duty connectors/ terminals for three and single phase cable connections for MCCBs where as required and marking of location for incoming and out going distribution i/c grouting the legs in existing floor with 1:3:6 cement concrete foundation and dsimantling the existing panel, incoming/outgoing cable connections etc complete as required i/c dsimentling the existing feeder pillar and UG cable. (Panel should be as per design & drawing approved by Engg in charge).LED light min 5 watt with on/off switch to be	1	Sqmt	40000.0	40000.00

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil

JE

AE

EE

	provided in the panel.				
22	Supplying and fixing 63 Amp TP C Curve, 415 volts, MCB in the existing MCB DB complete with connections, testing and commissioning etc. as required	1	Each	4258.00	4258.00
23	Providing and fixing following rating and breaking capacity Triple Pole 415 V MCCB with thermomagnetic release (With Thermal Magnetic Trip Unit (TMD) with terminal spreaders link in new cubicle panel(item no.22) including drilling holes in cubicle panel, making connections, interconnection with busbar spreader links etc. as required. of approved make by engg in-charge.(A) 125 Amp/415V, breaking capacity 25 KA	2	Each	11107.0	22214.00
24	Providing and fixing following rating and breaking capacity Triple Pole 415 V MCCB with thermomagnetic release (With Thermal Magnetic Trip Unit (TMD) with terminal spreaders link in new cubicle panel(item no.22) including drilling holes in cubicle panel, making connections, interconnections with busbar spreader links etc. as required. of approved make by engg in-charge.(A) 100 Amp/415V, breaking capacity 25 KA	3	Each	8149.00	24447.00
25	Lifting and erection of 7 mtr octagonal pole by manually or hydraulic means,	21	Each	1000.00	21000.00
26	Supplying & fixing of 9 W LED Bollard of length 1000mm with opal PC diffuser and IP 65 protection including excavation including refilling as required for base for installation of LED Bollard Light with Cement concrete 1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) and testing commissioning etc as required (Final approval issued by Engineer in Charge)	2	Each	3577.00	7154.00
27	Providing and fixing of 25 W LED Post Top made in die cast aluminium bottom housing and spun aluminium top reflector with decorative PMMA opal and clear diffuser of make for mounting on 50 mm Heavy duty GI Pole , with FR SMC Loop Box with transparent lid with single pole 6 Amp C series MCB and all other accessories and similar specification with 3 mtr GI Pole/Pipe of 65 mm dia Heavy duty(C Class) with suitable reducer 65 mm to 60 mm and similar specification with single coat of red oxide paint & two coat paint aluminium paint on pole before installation with nut, bolts and washers including with electrical connection with 1.5 sqmm FRLS copper wire from post top lamp to Loop box including excavation including refilling as required upto 1 mtr depth for installation of 65 mm GI Pole with Cement concrete 1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) for installation & making of collar of 65 mm GI	10	Each	8878.00	88780.00

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil

JE

AE

EE

	Pole and testing commissioning etc as required (Final approval issued by Engineer in Charge)				
	Total Amount Rs				1095935.88
	Say Rs				1095936.00