

**GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT**

TENDER DOCUMENT

Name of work: **Special Repair/ Replacement of Security Lights at 1FBSU, AF Stn., Rajasansi, Amritsar. (PB).**

Estimated Cost	:	Rs.66,63,885/-
Earnest Money	:	Rs.1,33,278/-
Performance Guarantee	:	5% of tendered value or estimated cost put to tender (ECPT) (whichever is higher). (b) Where the tendered amount is less than eighty percent (80%) of the estimated cost put to tender (ECPT), the performance guarantee, in addition to the requirement under (a) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount
Security Deposit	:	@ 2.5% of Tendered value
Completion Period	:	3 Months
NIT No.	:	27/EE(E)/JED/CPWD/2026-27
Last date for Submission of Bid Document	:	Upto 03.00 PM on 20.08.2026

This NIT containing page 01 to 37 approved for Rs.66,63,885/- (Rs. Sixty Six Lakh Sixty Three Thousand Eight Hundred and Eighty Five Only)

AE(E)-P- Jalandhar
CPWD, Jalandhar (Pb)

Executive Engineer (E)-Jalandhar
CPWD, Jalandhar (Pb)

Name of work:- Special Repair/ Replacement of Security Lights at 1FBSU, AF Stn., Rajasansi, Amritsar. (PB).

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

The Executive Engineer (E)- Jalandhar, CPWD, Kendriya Sadan, Surya Enclave, Jalandhar (Telephone No. 0181-2420811 & Email id: jaleee.cpwd@gov.in) on behalf of President of India, invites Online percentage rate bids from approved and eligible CPWD Buildings & Roads category contractors for the below mentioned work:-

S. No.	NIT No.	Name of work & Location	Estimated cost put to bid	Earnest Money	Period of Completion	Last date of online submission Of bid, copy of receipt of deposition of original EMD and other documents as specified in the bid document.	Time & date of opening of bid
1	2	3	4	5	6	7	8
1.	27/EE(E)/JED/CPWD/2026-27	Special Repair/ Replacement of Security Lights at 1FBSU, AF Stn., Rajasansi, Amritsar. (PB).. (PB).	Rs.66,63,885/-	Rs.1,33,278/- (To be returned after receiving Performance Guarantee)	3 Months	Up to 03:00 PM on 20.08.2026	Up to 03:30 PM on 20.08.2026

Note: The contractor before submitting the bid for tender should read the schedule of quantities, additional conditions, additional specifications, particular specifications, drawings and other terms and conditions given in the NIT. The tenderer should also read the **General Conditions of Contract for CPWD Maintenance Works 2023** with up-to-date correction Slips, which is available as Government of India Publications; however, provisions included in the tender document shall prevail over the provisions contained in the standard form. **The contractor should also visit the site of work and acquaint himself with the site conditions before submitting his bid for the tender.**

- 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.
- This information and instructions for bidders posted on website shall form part of bid document.
- The bid document consisting of Plans, Specifications, drawings 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

<https://etender.cpwd.gov.in> or www.cpwd.gov.in free of cost.

4. But the bid can only be submitted after deposition of original EMD either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission and uploading the mandatory scanned documents such as Insurance Surety Bonds, Account Payee Demand draft or Banker's Cheque or Fixed Deposit Receipts or/ and Bank Guarantee from any of the Commercial Bank towards EMD in favour of Executive Engineer as mentioned in NIT, receipt for deposition of original EMD to division office of any Executive Engineer (including NIT issuing EE/ AE), CPWD and other documents as specified. While submitting the EMD the bidders should ensure that any insertion/addition/deletion in the FDR/TDR issued by the bank should be properly authenticated/stamped by the issuing bank. In absence of which the EMD shall not be considered in proper form and bid of bidder shall be rejected by the Engineer in charge.

Earnest Money deposit for **Rs.1,33,278/-** in the form of Treasury Challan or Demand Draft or Pay order or Banker's Cheque or Deposit at Call Receipt or Insurance surety Bonds or Fixed Deposit Receipt drawn in favour of **“Executive Engineer, Jalandhar Central Division, CPWD, Jalandhar”** shall be scanned and uploaded to the e-Tendering website within the period of bid submission.

A part of Earnest money is acceptable in the form of bank guarantee also. In such case, **minimum** 50% of earnest money or Rs.20 lac, whichever is less, **shall** have to be deposited in shape prescribed above, and balance **may be deposited** in shape of Bank Guarantee (as per Form-G) of any scheduled bank **having validity for 180 days or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders.**

The bank guarantee as part EMD should only be issued from the place in which the office of receiving division office is situated. If no Division office is located at the same station of the Bank Branch issuing the Bank Guarantee, then it can be deposited in the nearest place having the Division office. However, the bidder shall be fully responsible for applicability, validity and genuineness of such Bank guarantee.

The receipt of deposition of bank guarantee shall also be uploaded to the e-tendering website by the intending bidder upto the specified bid submission date and time.

5. Those contractors who are not registered or have not updated their profile on the website mentioned above, are required to get registered/update their profile beforehand. The necessary training materials including the videos with step to step process are available on download section of [https:// etender.cpwd.gov.in](https://etender.cpwd.gov.in)
6. The intending bidder must have valid class-III digital signature certificate with encryption key (combo type) to perform any operations/transactions on the e-tendering portal / website and the bidder should download and install the eMSigner on their system as per instruction available on download section of <https://etender.cpwd.gov.in>
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. The column meant for quoting rate in figures appears in yellow colour and the moment rate is entered, it turns sky blue.

In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (ZERO).

However, If a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above/below on the total amount of the tender or any section / sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.

10. The department reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids are received satisfying the laid down criterion.
11. Tenders with any condition including that of conditional rebates shall be rejected forthwith.
12. All statutory Taxes & levies (including GST) as applicable shall be borne by the contractor himself. The contractor shall quote his rates considering all such taxes and hence their quoted rates should be inclusive of all the above tax components.

List of Mandatory Documents to be scanned and uploaded within the period of bid submission for all bidders:

- I. Insurance Surety Bond, Demand Draft /Account Pay Banker's Cheque / FDR/ Bank Guarantee of any Commercial Bank against **EMD in favour of "Executive Engineer, Jalandhar Central Division, CPWD, Jalandhar"**.
- II. **Copy of Receipt for deposition of original EMD** issued from any Division office of CPWD where bidder deposited EMD. (Format of deposition receipt should be as per **Annexure-A** of this section)
- III. **Enlistment Order** of the Contractor in CPWD.
- IV. **GST Registration Certificate, if already obtained by the bidder.**

If the bidder has not obtained GST registration as applicable, then he shall scan and upload following undertaking along with bid documents.

"If work is awarded to me, I/we shall obtain GST registration certificate, as applicable, within one month from the date of receipt of award letter or before release of any Payment by CPWD, whichever is earlier, failing which I/we shall be responsible for any delay in payments which will be due towards me/us on account of the work executed and/or for any action taken by CPWD or GST department in this regard". (Form-i)

- V. **Copy of Electrical license of eligible class of the bidder.** In case, bidder doesn't have electrical license, he shall submit **an undertaking** that "I/We will either obtain valid electrical license at the time of execution of electrical work or associate contractors having valid electrical license of eligible class." (Form-ii)
- VI. Permanent Account Number (PAN) as issued by the Income Tax department.
- VII. ERP Training Certificate.
- VIII. Any other documents as specified in the NIT

Note: 1. under S.No. IV it is informed that "GST registration certificate" is to be of "Punjab" state. In case the bidder has certificate of registration of GST of some other state then that registration shall not be considered and thus the bidder must upload the undertaking to avoid disqualification

Assistant Engineer (E)-P
CPWD, Jalandhar (Pb)

Executive Engineer (E)-Jalandhar
CPWD, Jalandhar (Pb)

Receipt of Deposition of Original EMD

(Receipt No. /Date.....)

Name of Work	Special Repair/ Replacement of Security Lights at 1FBSU, AF Stn., Rajasansi, Amritsar. (PB).	
NIT No.	27/EE(E)/JED/CPWD/2026-27	
Estimated Cost	Rs.66,63,885/-	
Amount of Earnest Money Deposit	Rs.1,33,278/-	
Last date of submission of Bid	20.08.2026	
(*To be filled by EE(E) at the time of issue of NIT and uploaded alongwith NIT).		
Name of contractor		
Amount of original E-Bank Guarantee Earnest Money Deposit		
Date of submission of EMD		
Contractor's email id		
Contractor's Mobile no		

Signature, Name and Designation of EMD
Receiving officer (EE/AE(P)/AE/AAO) Along with office stamp

* To be filled by EE inviting tender

#To be filled in by EMD receiving AE

Note: -

1. The Executive Engineer of all divisions including NIT issuing division / sub-division of CPWD should receive the original EMD for tender of other division.
2. The NIT approving authority / EE at the time of issue of NIT shall also fill and upload the above prescribed format of receipt of deposition of original EMD along with NIT.
3. The Executive Engineer receiving EMD in original form shall examine the EMD deposited by the bidder and shall issue a receipt of deposition of earnest money to the agency in a given format uploaded by tender inviting EE. The receipt may be issued by the AE(P)/AE/AAO.
4. The Executive Engineer receiving original EMD shall also intimate tender inviting Executive Engineer above deposition of EMD by the agency by email/fax/telephonically.
5. The original EMD receiving Executive Engineer shall release the EMD after verification from the e-tendering portal website (www.etender.cpwd.gov.in> tender free view > advance search > awarded tenders) that the particular contractor is not L-1 tenderer and work is awarded.
6. The tender inviting Executive Engineer will call for original EMD of the L-1 tenderer from EMD receiving Executive Engineer immediately.

FORM "I"

Undertaking regarding obtaining GST registration Certificate

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If work is awarded to me, I/We shall obtain GST registration certificate, as applicable, within one month from the date of receipt of award letter or before release of any payment by the CPWD, whichever is earlier, failing which I/We shall be responsible for any delay in payments which will be due towards me/us on account of the work executed and/or for any action taken by CPWD or GST department in this regard.

Officer of the firm with stamp

Signature of Bidder(s) or an authorized

“FORM-ii”

UNDERTAKING CERTIFICATE FROM CONCERNED CONTRACTOR HAVING NOT VALID ELECTRICAL LICENSE OF ELIGIBLE CLASS

Name of Work: - Special Repair/ Replacement of Security Lights at 1FBSU, AF Stn., Rajasansi, Amritsar. (PB).

Undertaking that “I/ We will either obtain valid electrical license at the time of execution of electrical work or associate contractor having valid electrical license of eligible class”.

Date

Signature of Contractor

CPWD-6 FOR e-TENDERING

 सत्यमेव जयते	GOVERNMENT OF INDIA CENTRAL PUBLIC WORKS DEPARTMENT	 CPWD
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Item rate/ Online percentage rate bids are invited from approved and eligible CPWD Buildings & Roads category contractors for the below mentioned work:-

1. **Special Repair/ Replacement of Security Lights at 1FBSU, AF Stn., Rajasansi, Amritsar. (PB).**

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.66,63,885/-**. 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 registered contractors only, if bids are also open to non-CPWD Contractors.

For works estimated cost up to tendering limit of class -I Buildings & Roads (erstwhile Composite/ Building/ infrastructure) category Contractor (However, for Horticulture category, it may be modified as per bidding limit of CPWD class I contractors of Horticulture category).

(i) Three similar works each of value not less than Rs..... or two similar works each of value not less than Rs..... or one similar work of value not less than Rs..... (all figures rounded to nearest convenient figure) during the last 7 years ending last day of the month previous to the one in which tenders are invited.

(ii) For EPC tender under Mode- I/II only (Applicable for CPWD enlisted contractors of appropriate class also).

One completed work costing not less than Rs. executed with the structural system technology as proposed by bidder in the letter of transmittal during the last 7 years ending last day of the month previous to the one in which tenders are invited. This work can be part of eligible work at 1.2.1 (i) above or as a separate work.

Note:-

For works costing above tendering limit of class -II Buildings & Roads(erstwhile Composite/ Building/ infrastructure)category contractors but up to tendering limit of Class-I Buildings & Roads(erstwhile Composite/ Building/ infrastructure) category Contractor (However, for Horticulture category, it may be modified as per bidding limit of CPWD class II and CPWD Class I contractors respectively of Horticulture Category) when bids are open to non-CPWD contractors also, then

class II contractors of CPWD registered 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 the tendering limit of class -I (Super) Buildings & Roads (erstwhile Composite/ Building/ infrastructure) category Contractor (However for Horticulture category, it may be modified as per bidding limit of CPWD class I contractors of Horticulture Category).
- (i) Three similar works each of value not less than Rs..... or two similar works each of value not less than Rs.....or one similar work of value not less than Rs.....(all figures rounded to nearest convenient figure) during the last 7 years ending last day of the month previous to the one in which tenders are invited.
 - (ii) For EPC tender under Mode- I/II only (Applicable for CPWD enlisted contractors of appropriate class also). One completed work costing not less than Rsexecuted with the structural system technology as proposed by bidder in letter of transmittal during the last 7 years ending last day of the month previous to the one in which tenders are invited. This work can be part of eligible work at 1.2.2 (i) above or as a separate work.

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. This is applicable for 1.2.1 as well as 1.2.2 (Para 1.2.1(i) and Para 1.2.2(i) are not applicable for CPWD enlisted contractors of appropriate class. Para 1.2.1(ii) and Para 1.2.2(ii) are also applicable for CPWD enlisted contractors of appropriate class).

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 CPWD in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee. (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.cpwd.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 **3 Months** from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.
- 4. The site for the work is available.

OR

The site for the work shall be made available in parts as specified below:-

.....
ii) The architectural and structural drawing for the work is available or

5. The architectural and structural drawings shall be made available in phased manner, as per requirement of the same as per approved programme of completion submitted by the contractor after award of work. 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 <https://etender.cpwd.gov.in> or www.cpwd.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. Earnest Money in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or E-Bank Guarantee (for balance amount as prescribed) from any of the Commercial Banks (**drawn in favour of Executive Engineer, Jalandhar Central Division, CPWD Jalandhar**) shall be scanned and uploaded on the e-Tendering website within the period of bid submission. The original EMD should be deposited either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission. The EMD receiving Executive Engineer (including NIT issuing EE/AE) shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format (enclosed) uploaded by tender inviting EE in the NIT.
A part of earnest money is acceptable in the form of e-Bank Guarantee also. In such case, minimum 50% of earnest money or Rs. 20 lac, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of E-Bank Guarantee of any Commercial bank having validity for a period of 90 days for single bid works and 180 days for two bid system or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders.
The earnest money given by all the tenderers except the lowest tenderer shall be refunded immediately after the expiry of stipulated bid validity period or immediately after acceptance of the successful bidder, whichever is earlier. However, in case of two/ three bid system, earnest money deposit of bidders unsuccessful during technical bid evaluation etc. should be returned within 30 days of declaration of result of technical bid evaluation.
Copy of Enlistment Order and certificate of work experience and other documents as specified in the notice inviting e- tender shall be scanned and uploaded on the e-Tendering website within the period of bid submission. However, certified copy of all the scanned and uploaded documents as specified in e- tender notice shall have to be submitted by the lowest bidder within a week physically in the office of tender opening authority. Online bid documents submitted by intending bidders shall be opened only of those bidders, whose original EMD deposited with any division of CPWD and other documents scanned and uploaded are found in order.

The bid submitted shall be opened at 03:30 PM on **20.08.2026**

10. The bid submitted shall become invalid and e-Tender processing fee shall not be refunded if:
(i) The bidder is found ineligible.

- (ii) The bidder does not upload scanned copies of all the documents stipulated in the bid document.
 - (iii) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest bidder in the office of bid opening authority.
 - (iv) If a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above/below on the total amount of the tender or any section / sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.
11. The contractor whose bid is accepted will be required to furnish performance guarantee at specified percentage of the tendered amount as mentioned in schedule E and within the period specified in Schedule F. This guarantee shall be in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt or E-Bank Guarantee from any of the Commercial Banks in accordance with the prescribed form.. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F', including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along with bid shall be returned after receiving the aforesaid performance guarantee. The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses/ registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board including Provident Fund Code No. If applicable and also ensure the compliance of aforesaid provisions by the subcontractors, if any engaged by the contractor for the said work within the period specified in Schedule F.
12. **The description of the work is as follows:**
Special Repair/ Replacement of Security Lights at 1FBSU, AF Stn., Rajasansi, Amritsar. (PB).
 Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A 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 bidder 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 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 Divisional 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 or in the Ministry of Housing and Urban Affairs. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.
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 cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the bid or engagement in the contractor's service.
18. The bids for the work shall remain open for acceptance for a period of 30 (thirty) days from the date of opening of bids in case of single bid system and 75 (seventy five) days from the date of opening of technical bids in case bids are invited in 2 or 3 bid system. Further
 - (i) If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department within 7 days after last date of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 50% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
 - (ii) If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department after expiry of 7 days after last date of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 100% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
 - (iii) In case of forfeiture of earnest money as prescribed in para (i) and (ii) above, the bidders shall not be allowed to participate in the rebidding process of the same work.
19. This notice inviting Bid shall form a part of the contract document. The successful bidder/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-2014 as amended/modified up to~~
 - ~~**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 (competent authority under clause 2 and clause 5 shall be same authority 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 as per NIT conditions.~~
 - 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.~~

~~20.1.8 The main contractor has to associate agencies for specialized component(s) conforming to eligibility criteria as defined in the bid document and has to submit detail of such agency(s) to Engineer in Charge of relevant component(s) within prescribed time. Name of the agency(s) to be associated shall be approved by Engineer in Charge of relevant component(s).~~

~~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 relevant specialized component(s).~~

~~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 MoU with agency(s) associated by him. Copy of such MoU shall be submitted to EE/ DDH in charge of each relevant component as well as to EE in charge of major component. In case of change of associate contractor, the main agency(s) has to enter into MoU/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. The CMB shall be maintained independently by Engineer in Charge of major and minor components.~~

~~20.1.12A. The composite work shall be treated as complete when all the components of the work are complete. The completion certificate of the composite work shall be recorded by Engineer in Charge of major component after record of completion certificate of all other components.~~

~~20.1.12B. 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.~~

21. The intending bidders are required to update their profile in CPWD e- tender portal and to upload their bids well in advance of last date of submission of tender. Any issue related to updating profile/uploading tender can be resolved through the concerned Executive Engineer/ Assistant Engineer (Phone no *....., e- mail Id *.....) or ERP helpline no. 18001803286 or e-mail Id cpwd.support@techmahindra.com. The e-tendering bidders are also advised not to wait to raise any issues till the last date of submission of bid in their own interest.

AE(E)-P- Jalandhar
CPWD, Jalandhar (Pb)

Executive Engineer (E)- Jalandhar
CPWD, Jalandhar (Pb)

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

STATE : Punjab
BRANCH : E & M
Region : Chandigarh

CIRCLE : Jalandhar
DIVISION : Jalandhar
SUB-DIVISION : Amritsar

Percentage rate Tender & Contract for Works
Tender for the work of:-

Name of Work:- Special Repair/ Replacement of Security Lights at 1FBSU, AF Stn., Rajasansi, Amritsar. (PB).

To be submitted by 15.00 hours on to the **Executive Engineer(E)- Jalandhar, CPWD, Jalandhar (Pb).**

(ii) To be opened in presence of tenderers who may be present at 15.30 hours on in the office of the **Executive Engineer(E)- Jalandhar, CPWD, Jalandhar (Pb).**

T E N D E R

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

I/We hereby tender for the execution of the work specified for the President of India 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.

I/We agree to keep the tender open for Thirty (30) days from the due date of its opening in case of single bid system Seventy Five (75) days from the date of opening of technical bid in case tenders are invited on 2 /3 bid/ system for specialized work and not to make any modification in its terms and conditions.

I/We have deposited EMD for the prescribed amount in the office of concerned Executive Engineer as per the bid document.

A copy of earnest money deposit **receipt of prescribed amount deposited in the form of Insurance Surety Bonds, Demand Draft, Account Payee Banker's Cheque, Fixed Deposit Receipt, or E-Bank Guarantee (as prescribed)** issued by a **Commercial Bank**, is scanned and uploaded (strike out as the case may be). If I/We, fail to furnish the prescribed performance guarantee within prescribed period, I/We agree that the said President of India or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/ We agree that President of India or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. The said Performance Guarantee shall be a guarantee 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 or 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 CPWD in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee.

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 & integrity of the State.

Dated
Witness:
Address:
Occupation:

Signature of Contractor
Postal Address

ACCEPTANCE

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

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

- i)
- ii)
- iii)

For & on behalf of the President of India.

Signature

Dated

Designation

PROFORMA OF SCHEDULES

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

SCHEDULE 'A'

Schedule of quantities (as per PWD-3)

SCHEDULE 'D'

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

SCHEDULE 'E'

Reference to General Conditions of contract.	General Conditions of Contract (GCC) 2023, Maintenance Work of CPWD (Corrected up to last date of submission of bid).
<u>Name of work:</u>	Special Repair/ Replacement of Security Lights at 1FBSU, AF Stn., Rajasansi, Amritsar. (PB).
Estimated cost of work:	Rs.66,63,885/-
Earnest money :	Rs.1,33,278/- (To be returned after receiving Performance Guarantee)
Performance Guarantee:	5% of tendered value or estimated cost put to tender (ECPT) (whichever is higher). (b) Where the tendered amount is less than eighty percent (80%) of the estimated cost put to tender (ECPT), the performance guarantee, in addition to the requirement under (a) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount.
Security Deposit :	2.5% of Tendered Value.

SCHEDULE 'F'

General Rules & Directions:	
Officer inviting tender	Executive Engineer(E)-Jalandhar CPWD, Jalandhar (Pb).
Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3	See below
Definitions:	
2(vi) Engineer-in-Charge	Executive Engineer(E)-Jalandhar CPWD, Jalandhar (Pb).
2(viii) Accepting Authority	Executive Engineer(E)-Jalandhar CPWD, Jalandhar (Pb).
2(x) Percentage on cost of materials and labour to cover all overheads and profits	15%
2(x)(b) Standard schedule of Rates	DSR - 2025 (E&M) with correction Slips up to last date of submission of bid.
2(xi) Department	Central Public Works Department.
9(ii) Standard CPWD contract form GCC 2023, CPWD form 7/8 as modified and corrected upto.....	CPWD 7 as per General conditions of contract for CPWD works 2023 Maintenance work (Corrected up to last date of submission of bid).

Clause 1 i)	Time allowed for Submission of performance guarantee, Programme Chart (Time and Progress) and applicable labour licenses, registration with EPFO, ESIC and BOCW Welfare Board or Proof of applying thereof from the date of issue of letter of acceptance.	07 Days.	
ii)	Maximum allowable extension with late fee @ 0.1% per day of performance guarantee amount Beyond the period as provided in (i) above.....(1 to15 days to be filled by NIT approving authority	03 Days with late fee @ 0.1% per day of Performance Guarantee amount beyond the period provided in (i) above.	
Clause 2	Authority for fixing compensation under clause 2	Superintending Engineer- Jalandhar, CPWD Jalandhar(Pb)	
Clause 5		Applicable	
	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:-	10 Days	
S. NO.	DESCRIPTION OF MILESTONE (PHYSICAL)	TIME ALLOWED IN DAYS (FROM THE DATE OF START)	AMOUNT TO BE WITH-HELD IN CASE OF NON-ACHIEVEMENT OF MILESTONE.
1	1/4 of tendered amount	1.5 months	1.25 % of accepted tendered amount.
2	1/2 of tendered amount	0.5 month	1.25 % of accepted tendered amount.
3	3/4 of tendered amount	0.5 month	1.25 % of accepted tendered amount.
4	Completion of all the works and cleaning of site and including handing over	3 months	1.25 % of accepted tendered amount.

Time allowed for execution of work : **3 Months**

Authority to Decide:

i) Extension of time : **Executive Engineer(E)-Jalandhar CPWD, Jalandhar (Pb).**

ii) Rescheduling of mile stones : **Superintending Engineer Jalandhar CPWD, Jalandhar (Pb)**

iii) Shifting of date of start in case of delay in handing over of site : **Superintending Engineer Jalandhar CPWD, Jalandhar (Pb)**

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	Full site for the work	On the day of issue of letter of commencement of work by the Engineer-in-charge
Part B	Portions with encumbrances	Nil	
Part C	Portions dependent on work of other agencies	Nil	
Clause 6: CMB/EMB/ERP based MB			
Mode of Measurement		ERP based MB/CMB	

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.	20.00 Lakh or as per decision of Engineer-In-Charge
Clause 7A	No running account bill shall be paid for the work till the applicable labour licenses, registration with EPFO, ESIC and BOCW Welfare Board, whatever applicable are submitted by the contractor to the Engineer- In-Charge.	Applicable
Clause 10A	List of testing equipment to be Provided by the contractor at site lab	As per requirement at site
1.....	2.....	3.....
Clause 10B (ii)	Whether clause 10-B(ii) shall be applicable	No
Clause 10C	Component of labour expressed as percent of value of work	Not Applicable
Clause 10CC	Applicable /Not Applicable	Not Applicable
Schedule of component of other materials, Labour etc. for price escalation:		
Component of civil (except materials covered under clause 10CA) / Electrical construction value of work.		'Xm' Nil %
Component of labour - expressed as percent of total value of work.		'Y' Nil %
Clause 11	Specifications to be followed for execution of work	CPWD General specifications for Electrical works Part-I – VII amended upto last date of submission of bid.
Clause 12	Type of work:-	Maintenance Work
12.2	Deviation limit beyond which clauses 12.2 shall apply for electrical work.	No Limit

Clause 16	Competent Authority for deciding reduced rates.	Superintending Engineer, Jalandhar CPWD, Jalandhar (Pb)
Clause 18	List of mandatory machinery, tools & plants to be deployed by the contractor at site.	As required for timely execution of work
Clause 19C	Authority to decide penalty for each default	Executive Engineer(E)-Jalandhar CPWD, Jalandhar (Pb.)
Clause 19D	Authority to decide penalty for each default	Executive Engineer(E)-Jalandhar CPWD, Jalandhar (Pb.)
Clause 19G	Authority to decide penalty for each default	Executive Engineer(E)-Jalandhar CPWD, Jalandhar (Pb.)
Clause 19K	Authority to decide penalty for each default	Executive Engineer(E)-Jalandhar CPWD, Jalandhar (Pb.)

Clause-25

1	Conciliator	SDG, Chandigarh, CPWD Chandigarh or successor there of
2	Arbitrator appointing authority	Superintending Engineer-Jalandhar
3	Place of Arbitration	As decided by Arbitrator

Clause 32 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	
						Figures	Words
1	Graduate Engineer or Diploma Engineer	E & M	Project Manager cum Planning / Quality / Site / Billing Engineer	2 Years or 5 Years Respectively	1	Rs. 15000/- per month per person	Rupees Fifteen Thousand Rupees

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

Diploma holders with minimum 10 years relevant experience with a reputed construction agency/firm can be treated at par with Graduate Engineers for the purpose of such deployment subject to the condition that such diploma holder should not exceed 50 % of requirement of degree engineers

Clause-38

- i) (a) Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule Schedules of Rates printed by C.P.W.D.
- ii) ~~Variations permissible on theoretical quantities~~
 - a) ~~Cement~~
 - ~~For works with estimated cost 3% plus / minus.~~
 - ~~put to tender for more than Rs. 25 Lacs.~~
 - ~~For Works with estimated cost put to~~
 - ~~tender more than Rs. 25 Lakh 2% plus / minus~~
 - b) ~~Bitumen for all work 2.5% plus & only nil on~~
~~minus side~~
 - c) ~~Steel Reinforcement and structural~~
~~steel sections for each diameter,~~
~~section and category. 2% plus / minus.~~
 - d) ~~All other materials. Nil.~~

SAFETY MEASURES

- 1.1 The issue of construction safety & standards has gained utmost importance in recent times. Contractors must follow highest safety standards and “ZERO” tolerance towards any violation of safety norms at the construction site. All workers of contractor and associate agencies, invariably and at all the times, must follow all safety norms, adopt safe construction practices and use all required safety gadgets in their working throughout the project duration.

Note : 1 The special conditions detailed above are in addition to general/ other/ additional conditions as specified elsewhere in tender document.

Note : 2 Nothing extra shall be paid on the account of these special conditions

On non-judicial stamp paper of minimum Rs. 100

(Guarantee offered by bank to CPWD in connection with the execution of contracts)

**Form of Bank Guarantee for Earnest Money Deposit/Performance Guarantee/Security
Deposit/Mobilization Advance**

Whereas the **Executive Engineer(E)- Jalandhar, CPWD Jalandhar** on behalf of the President of India (hereinafter called "The Government") has invited bids under (NIT number) dated for **Special Repair/ Replacement of Security Lights at 1FBSU, AF Stn., Rajasansi, Amritsar. (PB).**

The Government has further agreed to accept irrevocable Bank Guarantee for Rs. (Rupees only valid upto..... (date)* as Earnest Money Deposit from (Name and address of contractor) (hereinafter called " the contractor") for compliance of his obligations in accordance with the terms and conditions of the said NIT.

OR **

Whereas the **Executive Engineer(E)- Jalandhar, CPWD Jalandhar** on behalf of the President of India (hereinafter called " The Government") has entered into an agreement bearing number with (name and address of the contractor)..... (hereinafter called " the contractor") for execution of work **Special Repair/ Replacement of Security Lights at 1FBSU, AF Stn., Rajasansi, Amritsar. (PB).**

The Government has further agreed to accept an irrevocable Bank Guarantee for Rs. (Rupees only) valid up to (date) as Performance Guarantee/Security Deposit/Mobilization Advance from the said Contractor for compliance of his obligations in accordance with the terms and conditions of the agreement.

We, (indicate the name of the bank) (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 within 10 days of the demand.

We, (indicate the name of the Bank), do here by undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said Contractor. 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)

We, (indicate the name of the Bank), further undertake to pay the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor in any suit or proceeding pending before any Court or Tribunal, our liability under this Bank Guarantee being absolute and unequivocal. The payment so made by us under this E-Bank Guarantee shall be a valid discharge of our liability for payment there under and the Contractor shall have no claim against us for making such payment.

We, (indicate the name of the Bank), further agree that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligation here under to vary any of the terms and conditions of the said agreement or to extend time of performance by the said Contractor 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 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 or for any forbearance, act of omission on the part of the Government or any indulgence by the Government to the said Contractor 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.

We, (indicate the name of the Bank), further agree that the Government at its option shall be entitled to enforce this Guarantee against the

Bank as a principal debtor at the first instance without proceeding against the Contractor and notwithstanding any security or other guarantee the Government may have in relation to the Contractor's liabilities.

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

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

This E-Bank 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 only) and unless a claim in writing is lodged with us within the date of expiry or extended date of expiry of this guarantee, all our liabilities under this guarantee shall stand discharged.

DATE

WITNESSES:

1. Signature

Name and Address

Authorized Signatory

Name

Designation

Staff code no.

Bank Seal

2. Signature

Name and Address

*Date to be worked out on the basis of validity period of 90 days where only financial bids are invited and 180 days for two/three bid system from the date of submission of tender.

** In paragraph 1, strike out the portion not applicable. Bank Guarantee will be made either for earnest money or for performance guarantee/security deposit/mobilization advance, as the case may be.

TERMS AND CONDITIONS

Name of Work:- Special Repair/ Replacement of Security Lights at 1FBSU, AF Stn., Rajasansi, Amritsar. (PB).

1. The work shall be carried as per CPWD general specification for electrical works Part-I 2023 (Internal) & Part-II 2023(External) amended up-to-date and in accordance to the Indian Electricity Rules 1956 and Indian Electricity Act 2003 as amended up-to-date and as per the instructions and satisfaction of the Engineer-in –charge.
2. The tenderer should in his own interest visit the site and get familiarize with the site conditions before tendering.
3. The material shall be procured only from the manufacturers & their authorized dealers & documentary proof for such procurement & supply shall be produced by the contractor. Contractor has to produce **original bill/ challan/ GST paid Invoices** to the Engineer-in-charge.
4. The watch and ward of the installation is the responsibility of the contractor till the work is completed and handed over. The contractor will have to make their own arrangement for stores.
5. The firm shall submit all the records such as challans, test certificates, guarantee cards, operation and maintenance manuals and spares and tools of the original supplier to the department.
6. Samples of all materials like conduits, accessories, switches, wires, control cables, light fittings etc shall be submitted to the Engineer-in-charge/ site representative before installation. These shall be submitted in two sets for approval and retention by Engineer-in-charge/ site representative and shall be kept in their site office for reference and verification till the completion of the Project.
7. The connection of main switches, earthing conductor and interconnections cables shall be made by adequate rated thimbles of approved standard and makes.
8. The work is to be carried out in building having very strict regulations. The persons engaged on works must have good character antecedents. The contractor should familiarize himself with the process of obtaining entry passes/ entry tokens. No claim for wastage of labour due to non-issuance of entry token/ entry passes shall be considered by the Department.
9. All materials to be used on the work shall be got approved from the Engineer-in-charge before installation at site and the rejected material is to be removed from the site immediately.
10. The work shall be progressed with the progress of civil work. As such, the contractor doing electrical works shall work in close coordination with casting of the slabs, erection of the walls etc. as required. No claim of the contractor shall be entertained by the department for the idle labour.
11. The department shall not be responsible for any dispute between contractor and his staff deployed for work.
12. The contractor shall be responsible for any damage done to the building during the execution of the work. Damage, if any shall have to be made good by the contractor at his own cost otherwise the same shall be got rectified made good at the risk & cost of the contractor.
13. Bad work-man-ship will not be acceptable and defect shall be rectified at contractor's cost to the satisfaction of the Engineer-in-charge.

14. Necessary tools and plants shall be arranged by the firm. Modern tools and equipment shall be used for handling of cables and Machines, drilling, chiseling, and cutting etc. so that speed, accuracy, minimum noise/vibrations/ disturbance to the building/occupants can be achieved.
15. The firm shall provide necessary barriers, warnings, signals and other safety measures to avoid any accident. The employees of the firm are to be suitably insured against such accidents. The department shall not be responsible for any such accidents.
16. Quantities indicated in Schedule of work are only tentative, contractor shall consult Engineer-in-Charge before procurement. Payment shall be made only for the quantities actually executed and measured. No claim for loss of profit due to non execution of scheduled quantity shall be accepted. Even if, zero no. of quantity is executed for any item.
17. Layout of conduiting work shall be submitted by the contractor, 10 days before casting of slab and approval of Engineer-in-charge is required to be obtained before start of slab work at site.
18. The concealed items like earthing, cabling, conduits etc. shall be carried out only in the presence of duly authorized departmental staff.
19. The site shall be cleared of malba, debris caused by working at site by the electrical contractor without any extra cost to the department.
20. The contractor has to intimate the name of his authorized representative, who will be receiving instructions in his absence. The contractor / his authorized representative is bound to sign the site order book as and when required by the Engineer-in-charge and to comply with the instructions therein.
21. The entire installations shall be at the risk and responsibility of the contractor until these are tested and handed over to the department. However, if there is any delay in construction from the department side, the installations 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.
22. No joints in wiring shall be permitted anywhere, except in switch box or point outlets, 'where jointing of wires will be allowed with use of suitable connector & Ferrules.
23. To facilitate drawing of wires, 18 SWG GI fish wire shall be provided in recessed conduit. Conduits laid for other services, like fire alarm, PA system etc., where wiring is not done along EI works, fish wire shall be invariably drawn.
24. Only FRLS wires up to 1100V Grade shall be used in wiring.
25. All hardware, fastening material viz. nuts, bolts, washers and screws etc. to be used on work shall be of Zinc/cadmium plated iron.
26. The contractor shall have to furnish the insulation test report, earth report, along with all required details of electrical load on the prescribed proforma for the electric connection from Supply Company.
27. The offer shall includes all charges for packing, handling, freight, insurance, loading, unloading, stacking etc. for the material.
28. Work shall generally be carried out during working hours. However, as per the Departments requirement the working hours shall be extended without any extra claim.
29. The person employed for the work has no right to claim the employment in the department. Such type of claim shall be borne by the contractor.
30. For point wiring in steel conduit all piano type switch or all modular type switches/sockets/telephone outlets/T.V. outlets shall be of only one make.
31. Panels: All types of panel shall be fabricated from approved firms and strictly as per CPWD specifications. The drawing of panel boards must be got approved from Engineer – in –charge before fabrication work.

32. LT panel shall be cubical type with IP 54 protection class and fabricated from approved fabricator as per accepted list attached.
33. The breaking capacity of MCCB for all types of panel boards except DBs shall be as per fault level of that location. The rated service breaking capacity should be equal to rate ultimate breaking capacities ($I_{cs}=I_{cu}=100\%$).
34. All hardware items such as screws, thimbles, G.I. wires etc. which are essentially required for completing an item as per specifications will be deemed to be included in the item even when the same have not been specifically mentioned.
35. Copper wire shall be FRLS PVC insulated multi-stranded conductor. Termination of multi- stranded conductors shall be done using crimping type thimbles at both the ends. Nothing extra shall be paid for the same.
36. The MCB distribution boards shall be factory fabricated in the works of the manufacturer of the MCB's of any of the makes specified. The MCBs and the MCB distribution board shall be of the same make as per direction of Engineer-in-Charge.
37. The connection between incoming switch / isolator and bus bar shall be made with suitable size of thimble and cable.
38. All connections to MCB's shall be made using thimble/lugs.
39. Nothing extra shall be paid on account of dismantling of existing old PVC aluminum/copper wire, conduit, GI box of different sizes with switch sockets, MCCB, and MCBDB's with MCB, Fans & Fittings, **Panel** etc. wherever required. i/c removal of garbage/ malba from site and making good the same. The contractor shall quote the rates accordingly.
40. Release of Security Deposit after the warranty period of LED fittings/LED lamps the following conditions will be implied :-
 - i. All the LED Bulbs/ LED Fittings shall be guaranteed for a period of 5 years.
 - ii. 5% total value of LED Fittings items from Final bill will be withheld and shall be refunded year wise proportionately.
41. Warranty certificate for all the LED Fittings shall be submitted on the letterhead of OEM Company. Dealer warranty shall not be acceptable.
42. All lighting fixtures should be LED type and CRI >80, THD<10%, LM 79 & LM 80 test report from NABL/UL accredited lab should be submitted by the agency. Colour temperature may be 3000/4000/6000K as per site requirement.
43. **Payment Terms**
The following percentage of contract rates shall be payable against the stages of work shown herein:
 1. 70% against supply of material at site.
 2. 10% after installation.
 3. 15% after complete Testing and Commissioning
 4. 5% after complete handing over of the installations in all respect
44. **Testing charges to be borne by contractor:** All expenditure to be incurred for testing of samples e.g. sample, packing, sealing, transportation, loading, unloading etc. including testing charges shall be borne by the contractor. The tests will be got conducted at NIT Jalandhar, NIT Kurukshetra, NITTTR Chandigarh and Govt. testing labs/ institute as per "Quality assurance policy & Checklists for E & M Services dated: 31.03.2016".

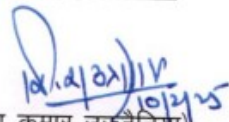
No. DG/MANUAL-2024/11
ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD
 Nirman Bhawan, New Delhi Dated: 10.02.2025

Sub: Modifications in para 5.18 of CPWD Works Manual 2024- regarding Payment of bills.

Following modifications is made in para 5.18 for CPWD Works Manual 2024:

Existing Provision	Modified Provision
5.18 Payment	5.18 Payment
5.18.1 Time Schedule for Payment of Bills	5.18.1 Time Schedule for Payment of Bills
Ad-hoc payment the bill.	No change
The bill shall be concerned Executive Engineer.	No change
The remaining payment working days.	No change
The final bill shall be paid within the time schedule as per GCC provisions.	The final bill shall be paid only after compliance of pre-requisite documents such as sanctioned copies of extra items and deviation in quantities, escalation statements, recovery statement, theoretical statement, final completion certificate, sanctioned final extension of time case, mandatory tests statement, dismantled materials account and other documents as mentioned in clause 7A etc. as per GCC provisions.

This is issued with the approval of DG CPWD.


 (दिनेश कुमार उज्जैनिया)
 अधीक्षण अभियंता (सी.एंड एम.)

Issued from file No. CSQ/CM/16(1)/2024
e-file 9190123 (DFA/9315619)

केलोनवि तथा लोनवि दिल्ली के सभी अधिकारियों को आवश्यक सूचना एवं कार्यवाही हेतु।
 (केलोनवि वेबसाईट के माध्यम से)

LIST OF APPROVED MAKES

Name of Work : Special Repair/ Replacement of Security Lights at 1FBSU, AF Stn., Rajasansi, Amritsar. (PB).

S.No.	DESCRIPTION	MAKE
1	PVC insulated copper conductor FRLS wires / Telephone Cable/ Submersible cable	Polycab / Grandlay / KEI / Havells / Lapp
2	XLPE insulated aluminium / copper conductor armoured /unarmoured power cable of 1.1 KV grade	Polycab / Grandlay / KEI / Havells / Lapp
3	Modular type switch-socket, Modular GI Box & sheet & accessories	Legrand (Arteor)/ Schneider (Opale)/ Honeywell (Horizon)/ ABB (Tvisha)
4	Steel Conduit & accessories	AKG / BEC/Steel kraft/Rmcon
5	PVC Conduit	AKG/ BEC/ Norpack/Anchor
6	MCB/ Isolator/ RCCB	Legrand DX3 / Schneider Acti9 / Siemens Betagard/ ABB
7	MCCB	Siemens (3VA) / Schneider (NSX) / Legrand (DPX3) / ABB
8	MCB DB/Industrial type Socket outlet	Legrand (Ekinox3) / Schneider (Acti-9) / Siemens (BetaGard) or equivalent in ABB
9	LED Type Light Fitting / Batten Fitting / Downlighter / Mirror Light / Street light / Flood Light / Solar/ Post top Lantern/ Bulk Head/Bollard light/Led Lamp	Philips / Havells/ LT/ Surya/ Roshini/ Wipro
10	Ceiling Fan/ Wall Fan/ Exhaust Fan/ ventilator/Fresh Air Fan	Crompton/ Havells/Orient/ Atomberg
11	DLP U-PVC Trunking	Legrand/ Honeywell/ Schneider/ Obo betterman
12	Cable Tray	Obo betterman/ AKG/ Power Sun/ Honeywell/ Steel kraft/ RmCon/ LS Power/ Legrand
13	DWC- HDPE pipe	Rex/Duraline/Prince/Jain irrigation
14.	GI Pipe/ MS Pipe	Tata/Jindal Hisar/Sail
15.	Fastener	Fisher/Hilti/Canon/Wurth
16	Cubical Panel/ Feeder Pillar/ Meter Board/ Remote control Panel/APFC Panel	Tricolite/ Legrand/ Milestone/ Adlec/ RP Control / SPC Electrotech/ Standard Control Panel/ Shwetch / LS Power/ Power System & Control
17	Air Circuit Breaker	Legrand DMX3 / Schneider Master pact NW)/ Siemens (3WA) / ABB
18	Automatic Transfer Switch	HPL / Socomec /BCH / Legrand/ Siemens / Schneider/ABB
19	Selector Switches	ABB/Schneider/Kaycee / Siemens / BCH /Teknic

20	Contactors	BCH / Schneider-Tesys / Siemens (SICOP) / Legrand/ ABB
21	Digital Panel Meters	Siemens (7KT)/ Schneider (Conserve)/ BCH/ Legrand (PMX)/ Neptune/ AE / Yokins Instrument / ABB/ HPL India
22	Indicating Lamps (LED type)	Siemens / Telemechanique /BCH/ Schneider / Kaycee
23	Push Buttons	Siemens / Telemechanique / BCH/ Schneider / Teknic
24	M.V. Power Capacitors	Siemens / LK (Meher) / Universal / Schneider/ Neptune/ ABB/ Havells
25	Water Cooler	Ion Exchange/ Kent / Voltas
26	50 LPH RO Purification System	Ion Exchange/ Kent / Voltas
27	Split Air Conditioner	O General/ Mitsubishi/ Daikin/Voltas/ LG.
28	Automatic voltage corrector	V-Guard/ Bluebird/ Luminous/ Microtek.
29	Gland and Thimbles	Dowell / Gripwell / Action/ Jainsons/ Raychem /3M
30	LT/HT End/straight through joint	Raychem/ 3M/M-seal/Densons
31	HDG Octagonal pole & accessories	Philips/ Surya/ Roshini Twinkle/ Bajaj/ Valmont
32	Fire Extinguishers	Ceasefire / Siemens/ Minimax/ Kanex/ Gilpro/ ASKA
33	Geyser/ Water Heater	Usha/Gold Medal/ Racold/ Havells/ Jaguar/ Venus.
34	Cat-6/6A Cable, Wires & Fiber Optic Cable	Commscope/Derwiser/Legrand/Molex/ Belden/Simon
35	Patch Panel/Patch cord/LIU/Fiber Module	Commscope/Derwiser/Legrand/Molex/ Belden/Simon
36	PoleBox	Sintex/ Hensel/ Rittal
37	RJ 45 CAT 6A Information Outlet.	Commscope/Derwiser/Legrand/Molex/ Belden/Simon
38	Any other item not covered above	As per approval of the Engineer-in-charge

Assistant Engineer (E) P
CPWD, Jalandhar(Pb)

Executive Engineer(E)-Jalandhar
CPWD, Jalandhar(Pb)

Price Bid

Schedule of Work					
Name of Work:- Special Repair/ Replacement of Security Lights at 1FBSU, AF Stn., Rajasansi, Amritsar. (PB).					
S. No.	Description of Items	Qty.	Unit	Rate	Amount
1	Supply & laying of following one number XLPE insulated, PVC inner sheathed armoured aluminium conductor power cable of 1.1 KV grade of following size in the existing pipe/ DWC Pipe/ Duct/ loose for connection i/c connections etc. as required.				
1.1	3 X 25 Sq.mm.	3500.00	Metre	485.00	1697500.00
1.2	3.5 X 70 Sq.mm.	500.00	Metre	1287.00	643500.00
2	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc.direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., complete as required.				
2.1	63 mm dia (OD-63 mm & ID-51 mm nominal)	3400.00	Metre	289.00	982600.00

	LED Street light fixture, powder coated pressure die cast aluminium body (System lumen efficacy $\geq 120 < 135$ lm/Watt) Supplying, installation, Testing & Commissioning of Street light LED fixture powder coated pressure die cast aluminium body with driver as per the requirement with Driver efficiency $> 85\%$, Input voltage: 140-270 Volt AC, frequency 50/60 hz, Operating temp range -5°C to 50°C, internal surge protection of 5 KV L,N,E as per IEC 61000-4-5, Driver efficiency $> 85\%$, THD $< 10\%$ as per IEC 61000-3-2, P. F. ≥ 0.95, IP-66, IK-10, CRI > 70, under voltage and over voltage protection, EMI/EMC As per CISPR 15, lenses for beam angle as per IESNA type I/II/III as per the width of the road and the project requirement., suitable to fit in up to 65mm dia pipe, life time (LED, Driver & electrical circuitry) of minimum 50000 Burning Hours with 70% of initial Lumen maintained till life ends as per LM80 extrapolation IES TM-21-11 report, CCT 3000°K / 4000°K / 5700°K / 6500°K (As per ANSI Bin), SDCM(Standard Deviation Colour Matching) < 5, Maximum power consumption should not more than the specified rating and Fixture shall be of relevant BIS standard complete in all respect i/c external connections with 1.5 sq mm FRLS/HFFR, PVC insulated copper conductor single core cable and earthing etc. as required with Minimum 5 year OEM warranty. System lumen efficacy $\geq 120 < 135$ lm/Watt output. LM79 & LM80 Test report and all testing required for LED fixtures as per BIS shall be submitted. Shape size and CCT shall be as approved by Engineer-in-Charge as per requirement. (Thermal management: heat sink of aluminium housing such that LED junction temperature shall not rise above 90°C).				
3.1	90 watt	120.00	Each	2335.00	280200.00

4	LED Flood Light, powder coated pressure die cast aluminium (System lumen efficacy ≥ 120 and < 135 lm/Watt) Supplying, Installation, Testing & Commissioning of Flood Light, powder coated pressure die cast aluminium body with built in or separate driver as per the requirement with Driver efficiency $> 85\%$, Input voltage: 140-270 Volt AC, frequency 50/60 hz, Operating temp range -5 $^{\circ}\text{C}$ to 50 $^{\circ}\text{C}$, internal surge protection of 5 KV L,N,E as per IEC 1000-4-5, Driver efficiency $> 85\%$, THD $< 10\%$ as per IEC 61000-3-2, P. F. ≥ 0.95, IP-66, IK-10, CRI > 70, under voltage and over voltage protection, EMI-EMC as per CISPR-15, lenses for beam angle 30 deg-120deg as per the application and the project requirement, suitable tilt able fitting, life time (LED, Driver & electrical circuitry) of minimum 50000 Burning Hours with 70% of initial Lumen maintained till life ends as per LM80 extrapolation IES TM-21-11 report, CCT 3000$^{\circ}\text{K}$/ 4000$^{\circ}\text{K}$/ 5700$^{\circ}\text{K}$/ 6500$^{\circ}\text{K}$ (As per ANSI Bin), SDCM (Standard Deviation Colour Matching) < 5, Maximum power consumption should not more than the specified rating and Fixture shall be of relevant BIS standard complete in all respect i/c external connections with 1.5 sq.mm FRLS/HFFR, PVC insulated copper conductor single core cable and earthing etc. as required with Minimum 5 year OEM warranty. System lumen efficacy ≥ 120 and < 135 lm/Watt output. LM79 & LM80 Test report and all testing required for LED fixtures as per BIS shall be submitted. Shape size and CCT shall be as approved by Engineer-in-Charge as per requirement. (Thermal management: heat sink of aluminium housing such that LED junction temperature shall not rise above 90$^{\circ}\text{C}$).				
4.1	50 watt	300.00	Each	2009.00	602700.00
5	Supplying, installation, testing & commissioning of powder coated 3 phase double door OUTDOOR type weather proof lighting control feeder pillar fabricated from 2 mm thick CRCA sheet suitable for 415 Volts, 3 phase, 50 Hz AC supply complete with 4 strip, 200 amp bus bar, Hinged door having locking arrangement and detachable cover at the bottom of the feeder pillar i/c pdg. and fixing following electrical and control accessories etc. as required. Feeder pillar shall be rested on angle iron frame of 40 x 40 x 5 mm size i/c making of brick/ cement concrete foundation (1:3:6), 20 cm below & 30 cm above from the ground level etc. as required. (Min Size: 600 mm X 450 mm X 300 mm)				
a)	125 Amp , 25 KA, T/M I/C FP MCCB - 1 No.				
b)	20-32 Amp, O/G DP MCB - 8 No.				

c)	3 Pole, 75 Amp Power Contactor - 1 No.				
d)	LED indicating lights- 1 Set				
e)	Digital MFM Meter - 1 No				
f)	Digital Timer switch - 1 No				
g)	ON/ OFF Push Button with manual bypass switch - 1 Set	10.00	Job	93220.00	932200.00
6	Supplying, installation, testing & commissioning of powder coated single phase INDOOR type weather proof WALL MOUNTED lighting control panel fabricated from 2 mm/ 1.6 mm thick CRCA sheet suitable for 220 Volts, 50 Hz AC supply complete with hinged door having locking arrangement i/c pdg. and fixing following electrical and control accessories etc. as required. (Min Size: 200 mm X 200 mm X 150 mm)				
a)	40 Amp , 10 KA, I/C DP MCB - 1 No.				
b)	6-32 Amp, O/G SP MCB - 2 No.				
c)	25 Amp, 220 V Power Contactor - 1 No.				
d)	LED indicating lights- 1 Set				
e)	Digital Timer switch - 1 No				
f)	Toggle bypass switch - 1 Set	30.00	Job	30610.00	918300.00
7	Earthing with G.I. earth pipe 4.5 Meter 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.	10.00	Set	7658.00	76580.00
8	Supplying and laying 6 SWG G.I. wire at 0.50 Meter below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required.	30.00	Metre	62.00	1860.00
9	S/I/T/C of 9 Mtr. long HDG octagonal pole galvanized continuously tapered (bolt fixing type) in single section made out of 3 mm thick sheet having top dia 70 mm and bottom dia 155 mm with 04 Nos. foundation bolts of size 16/20 mm X 750 mm alongwith integral junction box & base plate (Min.250X250x16 mm thick) along with suitable size GI, single arm bracket 1500 mm long, including making reinforced cement concrete 1:2:4 foundation of suitable size as per OEM including cost of iron bar for fixing of poles, digging, centering & shuttering i/c providing and fixing bakelite sheet of size 25 cm. X10 cm. X 6 mm.thick, suitable capacity connectors/ Aluminium bus bar and 1 No. SP MCB of 6/10 amp rating to be fixed inside integral pole junction box complete with door and locking arrangement etc. complete as required.	10.00	Each	23046.00	230460.00
10	Supplying and drawing following sizes of FRLS/HFFR PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.				

10.1	3 x 1.5 sq. mm	600.00	Metre	104.00	62400.00
11	S/I/T/C of weather proof Pole/ wall mounted SMC cable junction box of size 200 mm X 140 mm X 95 mm (Inside dimension) single door with front openable hinged type complete with locking arrangement i/c Pdg. & fixing of 2 Nos. 6 Amp 'C' Series SP MCB mounted on din bar, 63 amp, 4 way heavy duty DMC connector with nut-bolts/ dash fasteners/ pole clamp and provision for incoming & outgoing cable entry, rust proof, shock proof, corrosion proof i/c cutting the collar and dismantling the existing damaged M.S/ SMC Pole box, if any, etc. as required.	75.00	Each	1193.00	89475.00
12	Solar outdoor LED light Supplying, installation, Testing & Commissioning of the integrated type solar PV lighting system on the existing pole structure, comprising of 20 watt, 6V Mono Passivated Emitter and Rear Contact (PERC) Solar Panel (minimum efficiency 21%), Pulse with modulation (PWM)/Maximum Power point tracking (MPPT) Charge Controller in the box with a sleek appearance and a sturdy structure, is weather-proof, and is simple to install, With Lithium- Iron Phosphate Battery (LiFePO4), charging time 6-8 hours, Battery backup time 12 hours (minimum), LED fixture 20 watt, Input voltage: 12V DC, Operating temp range -5 °C to 50 °C, internal surge protection of 5 KV L,N,E as per IEC 61000-4-5, Driver efficiency >85%, IP-66, IK-08, CRI>70, undervoltage and over voltage protection, Electro Magnetic Interference (EMI) Electro Magnetic Compatibility (EMC) As per CISPR 15, lenses for beam angle as per Illuminating Engineering Society of North America (IESNA) type I/II/III as per the width of the road and the project requirement, Correlated Colour Temperature (CCT) 5700°K / (As per American National Standard Institute (ANSI Bin)), life time (LED, Driver & electrical circuitry) of 50K hours lamp burning hours till the 70 % of initial Lumen maintained as per LM80 extrapolation IES TM-21-11 report, automatic switch on/off, Aluminium or Acrylonitrile Butadiene Styrene (ABS body), can be installed on a pole or wall. System lumen efficacy >120 lm/Watt output. LM79 & LM80 Test report and all testing required for LED fixtures as per BIS shall be submitted. All as per pre approved by Engineer in-charge complete in all respect i/c external connections with 1.5 sq.mm FRLS/HFFR, PVC insulated copper conductor single core cable and earthing etc. as required, complete with mounting structure for the battery and accessories suitable for withstand wind storm speed as per the site location. (Thermal management: heat sink of aluminium housing such that LED junction temperature shall not rise above 90°C).				
12.1	20 Watt (System lumen efficacy >120 lm/Watt)	10.00	Each	18601.00	186010.00

13	Dismantling & less credit for following mentioned items i/c dismantling etc. as reqd.				
13.1	45-90 W street Light	120.00	Each	-100.00	-12000.00
13.2	25-80 W Flood Light	300.00	Each	-80.00	-24000.00
13.3	Street light panel with accessories	6.00	Each	-500.00	-3000.00
13.4	SMC pole box	45.00	Each	-20.00	-900.00
	Total :				6663885.00

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