



भारत सरकार
Government of India
केन्द्रीय लोक निर्माण विभाग
Central Public Works Department

NOTICE INVITING e-TENDERS

NIT No. 91/EE(E)/FED/2026-27

Name of Work : Upgradation of New & Old residential colony at NH-IV, Faridabad. (SH:- Repairing of Street lights and providing flood lighting for illumination & removing dark zones in old colony.)

Estimated Cost : Rs. 8,00,700/-

Earnest Money : Rs. 16,014/- in favour of Executive Engineer(E), Faridabad Electrical Division, CPWD, Faridabad

Completion Period: 02 (Two) Months

Last time and date of submission of bids : up to 15:00 Hrs on 22-09-2026

Date & Time of Opening of Bid : At 15:30 Hrs on 22-09-2026



Executive Engineer(E)
Faridabad Electrical Division, CPWD
NH-IV, Faridabad

Phone:0129-2985315, Email: fbdeeeefcd.cpwd@nic.in

INDEX

Name of Work: Upgradation of New & Old residential colony at NH-IV, Faridabad. (SH:- Repairing of Street lights and providing flood lighting for illumination & removing dark zones in old colony.)

S. No.	DESCRIPTION	PAGE
1	Index	1
2	Notice Inviting e-Tender	2
3	Information & Instructions for Bidders for e-Tendering	3-4
4	Proforma of Receipt of deposition of EMD	5
5	Proforma of Bank Guarantee for Earnest Money Deposit/Performance Guarantee/Security Deposit/Mobilization Advance	6-7
6	Undertaking on Structural Stability and Soundness of Already Completed Buildings and Infrastructure Projects	8
Part-A: GENERAL		
7	CPWD-6 for e-Tendering	10-14
8	Integrity Pact	15-22
9	Tender Form CPWD-7	23-24
10	Schedules - A to F	25-30
11	Standard General Conditions of Contract	31
Part-B: (E&M Works)		
12	Conditions for E&M Works	33-42
13	Special Specifications & Conditions	43-45
14	List of Preferred Makes for E&M Works	46
15	Schedule of Quantities (E&M Work)	47-48
Part-C: Financial Bid		
16	Proforma of Financial Bid	50

This NIT containing pages 1 to 50 is approved for **Rs.8,00,700/-**

Assistant Engineer (E)-P

Faridabad Electrical Division,
CPWD, NH-IV, Faridabad

Executive Engineer (E)

Faridabad Electrical Division
CPWD, NH-IV, Faridabad

AE(E)-P

EE(E)

NOTICE INVITING e-TENDERS

The **Executive Engineer(E), Faridabad Electrical Division, CPWD, Faridabad (Haryana) – 121001** invites on behalf of President of India online percentage rate bids from approved and eligible CPWD enlisted contractors of appropriate class in Building & Roads category for following work:

NIT No: 91/EE(E)/FED/2026-27

Name of Work: Upgradation of New & Old residential colony at NH-IV, Faridabad. (SH:- Repairing of Street lights and providing flood lighting for illumination & removing dark zones in old colony.)

Estimated Cost: Rs.8,00,700/-

Earnest money: Rs.16,014/-

Period of completion: 02 (Two) Months

Last time and date of submission of bids : up to 15:00 Hrs on 22-09-2026

Date & Time of Opening of Bid : At 15:30 Hrs on 22-09-2026

The tender forms and other details can be obtained from the website ***<https://etender.cpwd.gov.in>*** or ***www.cpwd.gov.in***

INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR e-TENDERING

The **Executive Engineer(E), Faridabad Electrical Division, CPWD, Faridabad (Haryana) – 121001** on behalf of President of India invites online percentage rate from approved and eligible CPWD enlisted contractors of appropriate class in Building & Roads category for the following work:

NIT No.	91/EE(E)/FED/2026-27
Name of Work& Location	Upgradation of New & Old residential colony at NH-IV, Faridabad. (SH:- Repairing of Street lights and providing flood lighting for illumination & removing dark zones in old colony.)
Estimated Cost put to Tender	Rs.8,00,700/-
Earnest Money	Rs.16,014/-
Stipulated Period of Completion	02 (Two) Months
Last Date & Time of Online Submission of Bids copy of Receipt of deposition of original EMD & Other Documents as specified in the Bid Document	Up to 15:00 Hrs on 22-09-2026
Date & Time of Opening of Bid	At 15:30 Hrs on 22-09-2026

1. 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.
2. Information and instructions for bidders posted on website shall form part of bid document.
3. The bid document consisting of plans, specifications, schedule of quantities of various types of items to be executed and the set of terms & 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 with in the period of bid submission and uploading the mandatory scanned documents such as Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt or Banker's Cheque or/and Bank Guarantee (for the balance amount as prescribed) from any of Commercial Banks 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 inviting EE/AE), CPWD and other documents as specified.
5. Those Bidders 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>**
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 Bidder can login and see the bid opening process. After opening of bids, he will receive the competitor bid sheets.
8. Tenderer can upload documents in the form of **JPG** format and **PDF** format.
9. Tenderer 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 lowest 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.

List of Documents to be scanned and uploaded within the period of Bid submission:

- i. Insurance Surety Bond, Demand Draft/ Account Payee Banker's Cheque / FDR/ Bank Guarantee of any commercial Bank against EMD
- ii. Enlistment Order of Contractors
- iii. Receipt for deposition of original EMD to division office of any EE, CPWD in prescribed Proforma along with scanned copy of original EMD
- iv. GST registration Certificate, if already obtained by the bidder.
If the bidder has not obtained GST registration, then he shall scan and upload following undertaking along with other 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 a/c of the work executed and/or for any action taken by CPWD or GST department in this regard.”
- v. Valid Electrical Contractor's License
- vi. EPFO, ESIC, BOCW Welfare Board, PF Nos., labour License if available or given undertaking he should submitted the required document along with P.G. The letter of award shall be issued to lowest bidder only on receipt of copy of Labour license, Registration with EPFO, ESIC, BOCW Welfare Board and PF Nos. or submitting the proof of applying for these thereof along with P.G
- vii. Any other document as specified in the Bid document.

**Assistant Engineer (E)-P
FED, CPWD, NH-IV,
Faridabad**

**Executive Engineer (E)
FED, CPWD, NH-IV,
Faridabad**

RECEIPT OF DEPOSITION OF ORIGINAL EMD

Receipt No.....#..... /date.....#.....	
Name of Work: Upgradation of New & Old residential colony at NH-IV, Faridabad. (SH:- Repairing of Street lights and providing flood lighting for illumination & removing dark zones in old colony.)	
1. NIT No.	: 91/EE(E)/FED/2026-27
2. Estimated Cost	: Rs.8,00,700/-
3. Amount of Earnest Money Deposit	: Rs.16,014/-
4. /-Last date of submission of Bid	: 22-09-2026
1. Name of Contractor :#....	
2. Form of EMD#.....	
3. Amount of Earnest Money Deposited.....#.....	
4. Date of submission of EMD#	
Signature, Name and Designation of EMD receiving officer (EE/AE(P)/AE/AAO) with Officer stamp	

(# to be filled by EMD receiving EE/AE/AAO as the case may be)

(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/MOBILISATION ADVANCE**

1. Whereas the Executive Engineer (name of division) CPWD on behalf of the President of India (hereinafter called "The Government") has invited bids under (NIT number). dated for (name of work) The Government has further agreed to accept an irrevocable Bank Guarantee for Rs. (Rupees only) valid up to (date)* as ***Earnest Money Deposit*** from (name and address of the contractor) (herein called "the Contractor") for compliance of his obligations in accordance with the terms and conditions of the said NIT..

OR**

Whereas the Executive Engineer (name of division), CPWD 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..... (name of work) 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.

2. We, (indicate the name of the bank) (herein after 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.
3. 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).
4. 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 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
5. 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.

6. 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.
7. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor
8. We, (indicate the name of the Bank), undertake not to revoke this guarantee except with the consent of the Government in writing.
9. This Bank Guarantee shall be valid up tounless 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 | Authorized signatory |
| Name and address | Name |
| | Designation |
| 1. Signature | Staff code no. |
| Name and address | Bank seal |

*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 / Performance Guarantee / Security Deposit / Mobilization Advance, as the case may be.

**UNDERTAKING ON STRUCTURAL STABILITY AND SOUNDNESS OF ALREADY COMPLETED
BUILDINGS AND INFRASTRUCTURE PROJECTS**

~~I/we undertake and confirm that any building / infrastructure constructed by our firm /partnership firm/ company has not suffered any failure, making it unfit for intended use, either due to structural design and defects or due to use of sub-standard materials or execution of sub-standard work, poor workmanship or any other reason during the last 25 (twenty five) years.~~

~~I/we, further, undertake that if such information comes to the notice of CPWD, then Engineer in Charge shall be free to terminate the bid/agreement and to forfeit the entire amount of earnest money deposit, performance guarantee and security deposits.~~

~~I/we, also undertake that in addition to above, the Engineer in Charge shall be free to debar us forever from tendering in CPWD.~~

~~The decision of Engineer in Charge or any higher authority shall be final and binding.~~

Signature of
Notary with seal

Signature of bidder or an authorized person of the
firm with stamp

~~Note: Affidavit to be furnished on a 'Non-judicial' stamp paper of Rs. 200/- (scanned copy of the notarized affidavit to be uploaded at the time of submission of bid).~~

PART-A

GENERAL

CPWD-6 FOR e-TENDERING

1. **Percentage Rate Bids** are invited on behalf of President of India from approved and eligible CPWD Enlisted Contractors of appropriate class in Building & Roads category for the work of **“Upgradation of New & Old residential colony at NH-IV, Faridabad. (SH:- Repairing of Street lights and providing flood lighting for illumination & removing dark zones in old colony.)”**

The enlistment of the CPWD Contractors should be valid on the last date of submission of bids. In case the last date of submission of bids is extended, the enlistment of contractor ***should be valid on the original date of submission of bids.***

The work is estimated to cost **Rs.8,00,700/-**. This estimate, however, is given merely as a rough guide.

2. Agreement shall be drawn with the successful bidder on prescribed Form No. **CPWD-7** (or other Standard Form as mentioned) which is available as a Govt. of India Publication and also available on website www.cpwd.gov.in. Bidder 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 **02 (Two) 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. (i) *The site for the work is available. However, site may be made available in parts as per approved work program and progress of work thereof and no claim of damages for handing over site in parts shall be admissible.*

(ii) *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 and progress of work thereof and no claim of damages for issue of drawings in phased manner shall be admissible.*
5. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen from 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 Bank Guarantee (for the balance amount as prescribed) from any of Commercial Banks (drawn in favour of **Executive Engineer (E), Faridabad Electrical Division, CPWD, Faridabad**) shall be scanned and uploaded to 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 bank guarantee also. In such case, minimum 50% of earnest money or Rs.20 lacs, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee of any Commercial Bank having validity for **6 (six) months** or more from 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 bid of the successful bidder, whichever is earlier. However, in case of two/three bid system, earnest money deposit of bidders unsuccessful during technical/eligibility bid evaluation etc. shall be returned within 30 days of declaration of result of technical/eligibility bid evaluation.

Copy of Enlistment Order and other documents as specified in the bid document shall be scanned and uploaded to the e-tendering website within the period of bid submission. However, certified copy of all the scanned and uploaded documents as specified in the bid document shall have to be submitted by **the lowest bidder** only along with physical EMD of the scanned copy of EMD uploaded within a week physically in the office of tender inviting 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** 22-09-2026

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 copy 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 on 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 Bank Guarantee from any of 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 sub-contractors, 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: -

Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidder 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 to 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 bidder 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 gazetted officer in the Central Public Works Department or in the Ministry of Urban Development. 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 previous permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the bid or engagement in the contractor's service.
18. The bid for the work shall remain open for acceptance for a period of **30 (Thirty) days** from the date of opening of Eligibility Bids.
 - (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:

(i) 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.

(ii) Standard **CPWD Form-7** or other Standard CPWD Form as applicable.

20. For Composite Bids

20.1. 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.

20.2. The Bid document includes following Components:

Part-A: General- CPWD-6 for e-Tendering, Tender Form (CPWD-7) including Schedule A to F, Standard General Conditions of Contract, Conditions for Associate Agency for Specialized/E&M Works

Part-B: E&M- Additional/Special Conditions, Specifications, List of Preferred Makes, Schedule of Quantities.

Part C: Financial Bid –Proforma for Financial Bid

20.3. The bidders must associate himself, with agencies as per NIT conditions

20.4. The eligible bidders shall quote rates for all items of major component as well as for all items of minor components of work.

20.5. After acceptance of the bid by Competent Authority, the Engineer-in-charge 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 Engineer-in-charge has to sign two or more copies of Agreement.

20.6. Entire work under the scope of composite bid including major and all minor components shall be executed under one agreement.

20.7. Security Deposit will be worked out separately for each component corresponding to the estimated cost of the respective component of works.

20.8. 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).

- 20.9. 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.

- 20.10. The main contractor has to enter into MoU with agency(s) associated by him. Copy of such MoU shall be submitted to EE in Charge. In case of change of associate contractor, the main agency(s) has to enter into MoU/agreement with the new contractor associated by him.

- ~~20.11. 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~~

- 20.12. (A) 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.

~~(B) 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 to uploading tender can be resolved through the concerned Executive Engineer or ERP help line no. 18001803286 or e-mail Dcpwd.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.

**Assistant Engineer (E)-P
FED, CPWD, NH-IV,
Faridabad**

**Executive Engineer (E)
FED, CPWD, NH-IV,
Faridabad**

Integrity Pact

To,

M/s,

.....,

.....

Sub: NIT No. 91/EE(E)/FED/2026-27 for the Work of:- Upgradation of New & Old residential colony at NH-IV, Faridabad. (SH:- Repairing of Street lights and providing flood lighting for illumination & removing dark zones in old colony.)

Dear Sir,

It is here by declared that CPWD 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 CPWD.

Yours faithfully

Executive Engineer

AE(E)-P

EE(E)

To,

The Executive Engineer (E),
Faridabad Electrical Division,
CPWD, NH-IV, Faridabad,
Haryana-121001

Subject:- Upgradation of New & Old residential colony at NH-IV, Faridabad. (SH:- Repairing of Street lights and providing flood lighting for illumination & removing dark zones in old colony.)

Dear Sir,

I/We acknowledge that CPWD 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 CPWD. 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, CPWD 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)

AE(E)-P

EE(E)

THE RELEVANT CONTRACT ON BEHALF OF CPWD.

INTEGRITY AGREEMENT

This Integrity Agreement is made at*..... on this*..... day of*..... 20..*.....

BETWEEN

President of India represented through Executive Engineer (E), FED, CPWD, NH-IV, Faridabad, Haryana (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 "**Bidder/**
(Details of duly authorized signatory)

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. **91/EE(E)/FED/2026-27**) hereinafter referred to as "**Tender/Bid**") and intends to award, under laid down organizational procedure, contract "**Upgradation of New & Old residential colony at NH-IV, Faridabad. (SH:- Repairing of Street lights and providing flood lighting for illumination & removing dark zones in old colony.)**"

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.
 - (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 end favour 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)/Contract(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 (with each tender as per Performa enclosed) any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.
- 3) The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
 - 4) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice means a willful misrepresentation or omission of facts or submission of fake/forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of the Government interests.
 - 5) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his/ her reputation or property to influence their participation in the tendering process).

Article 3: Consequences of Breach

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

- 1) If the Bidder(s)/Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Article 2 above or in any other form, such as to put his reliability or credibility in question, the Principal/Owner after giving 14 days notice to the contractor shall have powers to disqualify the Bidder(s)/Contractor(s) from the Tender process or terminate/determine the Contract, if already executed or exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal/Owner. **Such exclusion may be forever or for a limited period as decided by the Principal/Owner.**
- 2) **Forfeiture of EMD/Performance Guarantee/Security Deposit:** If the Principal/Owner has disqualified the Bidder(s) from the Tender process prior to the award of the Contract or terminated/determined the Contract or has accrued the right to terminate/determine the Contract according to Article 3(1), the Principal/Owner apart from exercising any legal rights that may have accrued to the Principal/Owner, may in its considered opinion forfeit the entire amount of Earnest Money Deposit, Performance Guarantee and Security Deposit of the Bidder/Contractor.
- 2) **Criminal Liability:** If the Principal/Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of Indian Penal code (IPC)/Prevention of Corruption Act, or if the Principal/Owner has substantive suspicion in this regard, the Principal/Owner will inform the same to law enforcing agencies for further investigation.

Article 4: Previous Transgression

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

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

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

Article 6- Duration of the Pact

This Pact begins when both the parties have legally signed it. It expires for the Contractor/Vendor **2 Months** after the completion of work under the contract or till the continuation of defect liability period, whichever is more and for all other bidders, till the Contract has been awarded.

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

Article 7- Other Provisions

- 1) This Pact is subject to Indian Law, place of performance and jurisdiction is the **Head quarters of the Division** of the Principal/Owner, who has floated the Tender.
- 2) Changes and supplements need to be made in writing. Side agreements have not been made.
- 3) If the Contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Pact must be signed by a representative duly authorized by board resolution.
- 4) Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
- 5) It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Integrity Agreement / Pact, any action taken by the Owner/Principal in accordance with this **Integrity Agreement/ Pact or interpretation there of shall not be subject to arbitration.**

Article 8- LEGAL AND PRIOR RIGHTS

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

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

The Executive Engineer (E),
Faridabad Electrical Division,
CPWD, NH-IV, Faridabad,
Haryana.

(For and on behalf of Principal/Owner)

.....
(For and on behalf of Bidder/Contractor)

WITNESSES:

1.....

(Signature, name and address)

2.....

(Signature, name and address)

Place

**GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT**

PERCENTAGE RATE TENDER & CONTRACT FOR WORKS

Tender for the work of “**Upgradation of New & Old residential colony at NH-IV, Faridabad. (SH:- Repairing of Street lights and providing flood lighting for illumination & removing dark zones in old colony.)**”

To be submitted/uploaded up to **15:00 Hrs. on 22-09-2026** on website: **<https://etender.cpwd.gov.in>**

- (i) To be opened in the presence of bidders who may be present at **15:30 Hrs. on 22-09-2026**. in the office of the **Executive Engineer(E), Faridabad Electrical Division, CPWD, Faridabad (Haryana) - 121001**.

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 in General Rules and Directions and in Clause-11 of the Conditions of Contract and with such materials as provided for, by, and in respect of accordance with, such conditions so far as applicable.

I/We agree to keep the tender open for **30 (Thirty) days** from the date of opening of Technical bid 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 of prescribed amount deposited in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or 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 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 agency 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

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before date of start of work, the Engineer-in-charge shall be free to forfeit the entire amount of Earnest Money Deposited/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

Postal Address:

Witness:

Address:

Occupation:

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..... (Rupee.).

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

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

(For & on behalf of President of India)

Dated:

Signature.....

Designation.....

SCHEDULES A TO F

SCHEDULE 'A'

Schedule of quantities for the Work (as per PWD-3) : **As Enclosed**

SCHEDULE 'D'

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

SCHEDULE 'E'

Reference to General Conditions of Contract: General Conditions of Contract-2023 (Maintenance Works) as amended / modified up to the last date of submission of Tenders.

Name of Work: Upgradation of New & Old residential colony at NH-IV, Faridabad. (SH:- Repairing of Street lights and providing flood lighting for illumination & removing dark zones in old colony.)

Estimated cost of work: Rs.8,00,700/-

(i)	Earnest Money	Rs.16,014/- (to be returned after receiving Performance Guarantee)
(ii)	Performance Guarantee	a) 5% of Tendered value or Estimate 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.
(iii)	Security Deposit	2.5% of the accepted tendered value of the work

SCHEDULE 'F'

General Rules & Directions:

Officer inviting Tender: **Executive Engineer(E), Faridabad Electrical Division**, Faridabad (Haryana) – 121001.

Definitions:

2(vi)	Engineer-in-Charge	Executive Engineer(E), Faridabad Electrical Division, CPWD, or successor thereof
(viii)	Accepting Authority	Executive Engineer(E), Faridabad Electrical Division, CPWD or successor thereof
(x)	Percentage on cost	15%

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	of materials and Labour to cover all overheads and profits	
(x)	Standard Schedule of Rates	E&M Works: Delhi Schedule of Rates 2025 (E&M) along with up to date correction slips modified as per cost index of Delhi NCR
(xi)	Department	Central Public Works Department (CPWD)
9(ii)	Standard CPWD Contract Form:	General Conditions of Contract-2023 (Maintenance Works) and CPWD Form-7 (Percentage Rate Tender & Contract for Works) as amended / modified up to the last date of submission of Tenders

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 (Seven) days
(ii)	Maximum allowable extension with late fee @ 0.1% per day of Performance Guarantee amount beyond the period provided in (i) above	03 (Three) days

Clause-2:

(i)	Authority for fixing compensation under clause 2	Superintending Engineer, Faridabad Circle, CPWD or successor thereof
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Clause-5:

(i)	Number of days from the date of issue of letter of acceptance for reckoning date of start	10 (Ten) days
(ii)	Time allowed for completion of work	02 (Two) Months

TABLE OF MILE STONES

S. No.	Description of Milestone (Physical/Financial)	Time allowed (From Stipulated Date of Start)	Amount to be Withheld in Case of Non-Achievement of Milestone
1.	Financial Progress of 1/8 th of Tendered Amount	25% of Completion Period	1.25% of Tendered Value for failure of each Milestone
2.	Financial Progress of 3/8 th of Tendered Amount	50% of Completion Period	
3.	Financial Progress of 3/4 th of Tendered Amount	75% of Completion Period	
4.	Financial Progress of Full Tendered Amount	Completion Period	

Authority to decide:

(i)	Extension of time	Executive Engineer (E), Faridabad Electrical Division, Faridabad CPWD or his successor thereof
(ii)	Rescheduling of mile stones	Superintending Engineer, Faridabad Circle, CPWD or successor thereof
(iii)	Shifting of date of start in case of delay in handing over of site	

Clause-5.4:

Schedule of rate of recovery for delay in submission of the modified programme in terms of delay days: **Rs. 100/- per day**

Clause- 6 : Applicable

Mode of measurement: Computerised Measurement Book (EMB/CMB) : 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	Mutually agreed by Engineer-in-charge
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Clause-7A:

Whether Clause 7A shall be Applicable	Yes, 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 as submitted by the Bidder to the Engineer-in-Charge.
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Clause-10A:List of Testing equipment's to be provided by the agency at Site Lab :

Equipment for conducting necessary Site Tests as per requirements of Specifications and quality assurance plan shall be provided and installed at site in the well-furnished Site Laboratory by the contractor at his own cost.

Clause-10B(ii)

Whether Clause 10B(ii) shall be Applicable	Not applicable
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Clause 10C -

Component of labour expressed as percent of value of work

25%

Clause 10CC

Clause 10CC to be applicable in contracts with

Stipulated period of completion exceeding the period

Not Applicable

A. For Construction Period:

S. No.	Relevant component of Materials / Labour for price escalation	Percentage of Total value of Construction work
1.	Component of Cement (C_p)	NA

2.	Component of Labour (L_p)	NA
3.	Civil Component of other Construction Materials (CM_p)	NA
4.	Electrical and Mechanical (E&M) Component of construction Materials (EM_p)	NA
5.	Component of POL (Diesel) (F_p)	NA
6.	Component of Reinforcement Steel Bars / TMT Bars / Structural Steels (including Strands and Cables) (S_p)	NA
7.	Component of Bitumen (B_p)	NA
Total		NA

B. For Maintenance Period:

S. No.	Relevant component of Materials / Labour for price escalation	Percentage of Total value of Maintenance work
1.	Component of Labour (L_p)	NA
2.	Civil Component of other Construction Materials (CM_p)	NA
3.	Electrical and Mechanical (E&M) Component of construction Materials (EM_p)	NA
4.	Component of Bitumen (for Road work component) (B_p)	NA
Total		NA

Clause-11:

Specifications to be followed for execution of work:	
E&M Work	CPWD General Specifications for Electrical Works (Part I for Internal) - 2023, (Part II for External) - 2023, (Part III for Lift & Escalators) - 2003, (Part IV for Sub Station) - 2013, (Part V for Wet Riser & Sprinkler System) - 2020, (Part VI for Fire Detection & Alarm System) - 2018, (Part VII for DG Sets) - 2013, (Part VIII for Gas Based Fire Extinguishing System) - 2013 and CPWD General Specifications for HVAC Works – 2024, CPWD General Specification for Modular OT- 2022, CPWD General Specification for Nurse Call System 2022 or latest version of above specifications as issued / amended up to last date of tender submission
All above shall hereinafter to be collectively referred to as ' CPWD Specifications '	

Clause-12:

12.3 & 12.4	(i) Deviation Limit beyond which clauses 12.2(c) shall apply	As Per DG Manual 2022/13 dt. 18-12-2023
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Clause-16:

Competent Authority for deciding reduced rates:
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Electrical work	Superintending Engineer, Faridabad Circle, CPWD or successor thereof
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Clause-18: List of mandatory machinery, tools & plants to be deployed by the contractor at site: :

The Contractor shall deploy T&P, Plant and Equipment required for execution of work within contract period. Schedule of deployment of the equipment shall be as per requirement of work for completion of work as per work program within stipulated time and contractor himself shall be responsible for their efficient use avoiding any idling. **No damages/compensation shall be payable on account of idle Manpower, Labour, T&P, Plant and Equipment and Loss of Profit etc. for whatsoever reason, not even for delay in work due to justified hinderances.**

Clause-19:

Clause 19C : Authority to decide penalty for each default	Engineer-in-charge of respective component of Work
Clause 19D : Authority to decide penalty for each default	
Clause 19G: Authority to decide penalty for each default	
Clause 19K : Authority to decide penalty for each default	

Clause-25:

(i)	Conciliator	Special Director General (Chandigarh), CPWD or Successor thereof
(ii)	Arbitrator Appointing Authority	Superintending Engineer, Faridabad Circle, CPWD or Successor thereof
(iii)	Place of Arbitration	New Delhi or NCR

Clause-32: Requirement of Technical Representative(s) and Recovery Rates: Not Applicable

S. No.	Requirement of Technical staff		Minimum Experience	Designation of Technical staff	Rate at which recovery shall be made from the contractor in the event of not fulfilling
	Qualification	Number of Major + Minor Component			
1	Graduate Engineer or Diploma Engineer	1 of major component	2 or 5 respectively	Project manager cum Planning Quality/Site/ Billing Engineer	Rs. 15,000/- per Month per person

Note:

1. Assistant Engineers retired from Government services that are holding Diploma will be treated at par with Graduate Engineers. Diploma holder with minimum 10-years relevant experience with a reputed

construction company can be treated at par with Graduate Engineers for the purpose of such deployment subject to that such diploma holders should not exceed 50% of requirement of degree Engineers.

Clause-38:

i) (a)	Schedule/statement for determining theoretical quantity of cement & bitumen based on Delhi Schedule of Rates	Delhi Schedule of Rates with Amendments up to the date of submission of bid.
ii)	Variations permissible on theoretical quantities:	
(a)	Cement :- - For works with estimated cost put to tender not more than Rs.25 Lakh. ——— - For works with estimated cost put to tender more than Rs.25 Lakh. ——— 	3% Plus/Minus 2% Plus/Minus
(b)	Bitumen for all works.	2.5% Plus only and 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

Assistant Engineer (E)-(P)
FED, CPWD, NH-IV,
Faridabad

Executive Engineer (E)
FED, CPWD, NH-IV,
Faridabad

STANDARD GENERAL CONDITIONS OF CONTRACT

1. Latest edition of “**General Conditions of Contract - 2023 (Maintenance Works)**” as amended / modified up to the last date of submission of Tenders, which is available in market as CPWD publication and also available on CPWD official website at <https://cpwd.gov.in/Documents/cpwdpublication.aspx> shall be deemed to be part of the Tender document and Agreement.
2. The General Conditions of Contract (GCC) are amended from time to time through issue of OM's under series DG/CON which are available on CPWD official website at <http://www.cpwd.gov.in/Documents/OfficialCirculars/DGCON>. These amendments/modifications issued up to last date of submission of Tenders shall be deemed to be part of the Tender document and Agreement.
3. The General Conditions of Contract (GCC) and its amendments as mentioned above, though not attached with this tender document, shall be deemed to be part of the Tender document and Agreement to be signed with the successful bidder.

PART - B

(ELECTRICAL WORK)

CONDITIONS FOR ELECTRICAL WORK

1. CPWD General Specifications for Electrical Works (Part I for Internal) - 2023, (Part II for External) - 2023, (Part III for Lift & Escalators) - 2003, (Part IV for Sub Station) - 2013, (Part V for Wet Riser & Sprinkler System) - 2020, (Part VI for Fire Detection & Alarm System) - 2018, (Part VII for DG Sets) - 2013, (Part VIII for Gas Based Fire Extinguishing System) - 2013 and CPWD General Specifications for HVAC Works – 2024 or latest version of above specifications as issued / amended up to date (hereinafter to be collectively referred to as '**CPWD Specifications**') and should also comply with relevant provisions of the Indian Electricity Rules and Acts as applicable. Wherever CPWD Specifications are silent, the latest BIS Codes/Specifications, National Building Code or any other specification shall be followed.
2. The order of preference in case of any discrepancy as indicated in condition No. 8.1 under "Conditions of Contract" given in standard CPWD Contract form may be read as the following:
 - a) Nomenclature of item as per Schedule of Quantities.
 - b) Particular/Technical specifications for Electrical Works.
 - c) General/Additional/Special, Conditions for Electrical Works.
 - d) Architectural/structural drawings and specifications mentioned in drawings.
 - e) Contract Clauses of Standard General Conditions of Contract
 - f) CPWD specifications for Electrical works as applicable.
 - g) Indian standard specifications of BIS.
 - h) National Building Code
 - i) Manufacturers specifications.
 - j) Sound engineering practice as per directions of the Engineer-in-charge.
3. A reference made to any Indian Standard Specifications in these documents, shall imply reference to the latest version of that standard, including such revisions/amendments as issued by the Bureau of Indian Standards up to last date of receipt of tenders. The contractor shall keep at his own cost all such publications of relevant Indian Standards applicable to the work at site.
4. The main contractor shall engage appropriate OEM of approved make for specialized works of Central cooling system& Kitchen etc. for electrical work. The main contractor shall not indulge in procurement of electrical items and getting the work done on labour contract with the OEM/electrical contractor. The whole electrical component shall be executed by the eligible electrical contractor/ OEM on a turnkey basis i.e. procurement of material & engaging labour. The associate electrical contractor shall submit the completion certificate of electrical work executed by him along with necessary test reports, completion plan.
5. The contractor shall take all safety precautions to avoid accidents by exhibiting caution boards, red flags, red lights and by providing necessary barriers and all other measures required from time to time. The contractor shall be responsible for all damages and accidents due to negligence on his part.
6. The contractor shall give due notices to Municipality, Police and/or other authorities that may be required under the law/rules under force and obtain all requisite permissions/licenses for temporary

obstructions/enclosures and pay all charges which may be liable on account of his execution of the work under the agreement. Nothing extra shall be payable on this account.

7. The contractor shall leave such recesses, holes, openings, etc., as may be required for the electric, air-conditioning and other related works. (For this purpose, any required inserts, sleeves, brackets, conduits, base plates, insert plates, clamps etc. shall be arranged by the contractor and fix the same at the time of casting of concrete, stone work & brick work, if required, and nothing extra shall be payable on this account.
8. The contractor shall give a trial run of the equipment and machinery for establishing its capability to achieve the specifications within laid down tolerances to the satisfaction of the Engineer-in-charge before commencement of work.
9. The work will be carried out in close coordination with the building work and other agencies. Conduits will be laid in the slab within the specified time and it will have to be ensured that the casting of slabs is not delayed for want of laying of conduits. The conduits will also be laid in walls before the Plaster work is undertaken so as to avoid breaking cutting of plaster while making chase for laying of conduits subsequently. The contractor will have to employ adequate labour for carrying out the work. No claim regarding the idle labour for any reason will be entertained by the Department.
10. No tools and plants including special T&P etc. shall be supplied by the department and the contractor will have to make his own arrangements at his expenses.
11. All tools, plant and machinery provided by the contractor shall, when brought at the site, be deemed to be exclusively intended for the construction and completion of this work and the contractor shall not remove the same or any part thereof (save for the purpose of moving it from one part of the site to another) without the consent of the Engineer-in-charge.
12. All materials shall be got checked & approved by the Engineer-in-charge on receipt of the same at site before use and rejected material is to be removed from the site immediately.
13. No foreign exchange shall be made available by the department for the purchase of equipment, plants, machinery, materials of any kind or any other items required to be carried out in execution of work.
14. The contractor shall carry out his work, so as not to interfere with or hinder the progress or completion of the work being performed by other contractor (s) or by the Engineer-in-charge and shall as far as possible arrange his work and shall place and dispose of the materials being used or removed, so as not to interfere with the operations of other contractors, or he shall arrange his work with that of the others in an acceptable and coordinated manner and shall perform it in proper sequence to the entire satisfaction of Engineer-in-charge.
15. All items which are not covered while carrying out electrical work shall be removed and shall be cleared by the contractors as soon as the work is completed.
16. The contractor shall give the Engineer-in-charge in every fortnight, a progress report of the work done during the previous fortnight. The progress of work will be reviewed periodically by the Engineer-in-charge with the contractor and shortfalls, if any, sorted out. The contractor shall thereupon take such action as may be necessary to bring back his work to schedule without any additional cost to the department.
17. It shall be responsibility of the main contractor to sort out any dispute involved with the associated contractor without any time and cost overrun to the department. The main contractor shall be solely

responsible for settling the dispute/litigation arising out of his agreement with the associate contractor. The contractor shall ensure that the work shall not suffer on this account.

18. The contractor shall quote his rates considering the specifications, terms & conditions and particular specifications and special conditions etc. and nothing extra shall be payable whatsoever unless otherwise specified.
19. The main contractor shall be responsible for coordinating the activities of all works and essential progress of works as per milestone and laid down program.
20. The contractor shall be responsible for the watch and ward of the site/property/material provided by him and materials issued by the department against pilferage and breakage during the period of execution and thereafter till the work is completed and physically handed over to the department.
21. Samples of all materials, fittings and other materials/articles required for execution of the work shall be got approved from the Engineer-in-charge. Materials/articles manufactured by the firms of repute as indicated in tender documents and approved by the Engineer-in-charge shall only be used.
22. The contractor shall ensure quality construction in a planned and time bound manner. Any sub-standard material or work beyond set out tolerance limits shall be summarily rejected by the Engineer-in-charge.
- ~~23. The contractor shall be required to make a sample flat for each type at the earliest opportunity using all approved materials for approval of Engineer in charge before mass scale finishing works are taken up.~~
24. Even ISI marked materials shall be subjected to quality test at the discretion of the Engineer-in-charge besides testing of other materials as per the specifications described for the item/material. Whenever ISI marked materials are brought to the site of work; the contractor shall, if required by the Engineer-in-charge, furnish manufacturers test certificates to establish that the materials procured by the contractor for incorporation in the work satisfy the provisions of IS codes relevant to the material and/or the work done.
25. The contractor shall have to engage well experienced skilled labour and deploy modern T&P and other equipment to execute the work.
26. The contractor will have to ensure that the skilled labour i.e. wireman etc., Engaged in the execution of the work must possess valid electrical license, otherwise he will not be permitted to execute the work.
27. ***The firm shall use only electrically operated chase cutting machine for cutting the chases in the wall for recessed conduit wiring.***
28. The contractor will have to make his own arrangement for storage of materials. No storage space shall be provided by department.
29. The contractor will have to make his own arrangement for water and power supply for execution of works.
30. The associate contractors executing the electrical works must possess the valid electrical contractor license otherwise they will not be permitted to execute the electrical works.
31. The contractor shall be responsible for removal of all defects in the work during the guarantee/warranty period. The department shall carry out routine maintenance only. However, if any failure is noticed during this period which is attributable to poor quality of material and bad workmanship, the contractor will be required to rectify the same at his own cost, failure of which the department will be at liberty to get the defects rectified at the risk & cost of the contractor. The contractor will also be required to carry out his

own inspection/testing during the guarantee/warranty period and attend to any defect taking place during this period.

32. Priority to arrange the material shall be decided by the department. However, material required for the work shall be brought at site only at the appropriate time keeping in view the progress of building works as well as Electrical & Mechanical works. Decision of Engineer-in -charge in this regard shall be final.
33. The contractor has to intimate 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.
34. Suitable back plates providing for fixing the wall brackets and ceiling flush fittings shall be supplied by the contractor free of cost.
35. It shall be responsibility of contractor to provide polythene/PVC plastic cover for all SDBs/meter boards/feeder pillars/panels etc. so as to protect them from wear & tear/damage during execution stage. Contractor shall provide the covers for the materials if any being supplied departmentally also. Nothing extra shall be paid on this account.
36. Contractor is fully responsible for any kind of damage to the LT/HT cable during execution of work. No joints shall be allowed if the cable is damaged. Contractor has to replace the full length at his own cost.
37. A suitable brass/tinned copper neutral link shall be fixed at suitable place in the Metallic outlet boxes of all sizes to terminate neutral wire properly. Nothing extra shall be paid on this account.
38. Colour coding shall have to be adopted in the wiring system as per specification.
39. Suitable crimping tools shall be used for crimping the lugs/thimbles/ferrules. Nothing extra shall be paid on this account. The lugs/thimbles/ferrules pressed by conventional/ordinary pliers shall not be accepted.
40. A suitable brass/tinned copper neutral link shall be fixed at suitable place in the Metallic outlet boxes of all sizes to terminate neutral wire properly. Nothing extra shall be paid on this account.
41. An earth termination with earth stud of brass/tinned copper i/c 2 No. metallic washers or suitable earth bar of Brass/tinned copper with tinned copper thimbles/ferrules/lugs should be suitably fixed at suitable place in the Metallic outlet box for termination of protective earth conductor. Nothing extra shall be paid on this account.
42. In the outlet boxes, phase from one switch to other switch shall be looped with suitable size of solid copper conductor. Nothing extra shall be paid on this account. Stranded conductor shall not be accepted.
43. Only required number of knockouts should be removed from Metallic outlet boxes for entry of conduits. If more than required number of knockouts are removed, the Metallic outlet box shall not be accepted.
44. Separate G.I. boxes shall be used for staircase light switches and bell push. Nothing extra shall be paid on this account.
45. Metal sheath of Co-axial T.V. cable shall be terminated using 'U' shape thimble/lugs/ferrules. Nothing extra shall be paid on this account.
46. To facilitate drawing of wires 16/18 SWG GI fish wire be provided along with laying of recessed conduit. Nothing extra shall be paid on this account.
47. Cable connection to switch gear is deemed to be included in the item of end termination. No extra payment shall be made for that.

48. The contractor is advised to visit the site of work to have an idea of the execution of the work; failure to do so shall not absolve their responsibility to do the work as specified in agreement.
49. A continuous cooling system to be designed to provide a stable thermal environment for the critical IT equipment's without any interruption meeting ASHRAE standards.
50. The design of the system should be such that it should be fault tolerant site infrastructure covering dual power for all IT equipment's, complimentary system and distribution paths must be physically isolated from each other.
51. **Rates:**
- 51.1. The work shall be treated as on works contract basis and the rates tendered shall be for complete items of work (except the materials, if any, stipulated for supply by the department) inclusive of all taxes (including works contract tax, if any), duties, and levies etc. and all charges for items contingent to the work, such as packing, forwarding, insurance, freight and delivery at site for the materials to be supplied by the contractor, watch and ward of all materials (including those supplied by the department, if any) for the work at site etc.
52. **Taxes and Duties:**
- 52.1. Rates are inclusive of GST and all other Taxes, duties, levies and royalties and nothing extra shall be payable to the contractor on account of this.
- 52.2. The GST shall be deducted from the bills of the contractor as applicable in at the time of payments.
53. **Completeness of Tender:**
- 53.1. All sundry fittings, assemblies, accessories, hardware items, foundation bolts, termination lugs for electrical connections as required, and all other sundry items which are useful and necessary for proper assembly and efficient working of the various components of the work shall be deemed to have been included in the tender, whether such items are specifically mentioned in the tender documents or not.
- 53.2. Minor building works necessary for installation of equipment, foundation, making of opening in walls or in floors and restoring to their original condition, finish and necessary grouting etc. as required, shall be executed with in the quoted rates.
54. **Works to be done by the contractor:**
- Unless and otherwise mentioned in the tender documents, the following works shall be done by the contractor, and therefore their cost shall be deemed to be included in their tendered cost:-
- (i) Foundations for equipment and components where required, including foundations bolts.
 - (ii) Cutting and making good all damages caused during installation and restoring the same to their original finish.
 - (iii) Sealing of all floor openings provided by him for pipes and cables, from fire safety point of view, after laying of the same.
 - (iv) Painting at site of all exposed metal surfaces of the installation other than pre-painted items like fittings, fans, switchgear/distribution gear items, cubical switchboard etc. Damages to finished surfaces of these items while handling and erection, shall however be rectified to the satisfaction of the Engineer-in-Charge.
 - (v) Testing and commissioning of completed installation.

(vi) Storage space for all equipment, components and materials for the work

55. **Storage and Custody of Materials:**

55.1. The contractor has to make his own arrangement for the storage of the material at site & necessary watch and ward of the electrical installation during the execution of work till the same is handed over to the department. No extra payment will be made on this account. The storage space shall however be arranged by the department at site, if available.

55.2. The main contractor shall arrange for proper storage of the electrical fans and fittings at site and that double lock system shall be arranged for the fans and fittings after receipt at site until the time they are taken for installation. The contractor shall however be responsible for proper storage and safe custody of the same till their installation and handing over to the department.

56. **Electric Power Supply and Water Supply:**

Power and water supply will be arranged by the contractor at the site for installation purpose. However, for final testing purpose after complete installation of the electrical items, electricity supply will be made available free of cost to the contractor. Contractor will take due care to ensure safety of electrical installation during execution of work.

57. **Tools for handling and Erecting:**

All tools and tackles required for handling of equipment and materials at site of work as well as for their assembly and erection and also necessary test instruments shall be the responsibility of the contractor.

58. **Payment Terms:**

Running bill Payments for work done shall be made as per the relevant clauses of contract. However, for items involving SITC of equipment, part payments may be all allowed by the Engineer-in-charge as below:

- a) After initial inspection and delivery of equipment/ material at site in good condition on pro rata basis @ 70%
- b) On completion of installation pro-rata basis @ 20%
- c) On commissioning and completion of successful running in period @ 10%

59. **Co-ordination with other agencies:**

The contractor shall co-ordinate with all other agencies involved in the building work so that the building work is not hampered due to delay in his work. Recessed conduit and other works, which directly affect the progress of building work, should be given priority.

60. **Care of buildings:**

Care shall be taken by the contractor to avoid damage to the building during execution of his part of the work. He shall be responsible for repairing all damages and restoring the same to their original finish at his cost. He shall also remove, at his costs, all unwanted and waste materials arising out of his work, from the site.

61. **Structural Alterations to Buildings:**

- (i) No structural member in the building shall be damaged/altered, without prior approval from the competent authority through the Engineer-in-charge.

- (ii) Structural provisions like openings, cutouts, if any, provided by the department for the work, shall be used. Where these required modifications, or fresh provisions are required to be made, such contingent works shall be carried out by the contract at his cost.
- (iii) All such openings in floors provided by the department shall be closed by the contractor after installing the cables/conduits/rising mains etc. as the case may be, by any suitable means as approved by the Engineer-in-charge without any extra payment.
- (iv) All chases required in connection with the electrical works shall be provided and filled by the contractor at his own cost to the original architectural finish of the buildings.

62. **Addition to an installation:**

Any addition, temporary or permanent, to the existing/ Proposed electrical installation shall not be made without a properly worked out scheme/design by a qualified Electrical Engineer to ensure that such addition does not lead to overloading, safety violation of the existing/ Proposed system.

63. **Work in occupied buildings:**

- (i) When work is executed in occupied buildings, there would be minimum of inconvenience to the occupants. The work shall be programmed in consultation with the Engineer-in-charge and the occupying department. If so required, the work may have to be done even before and after the office hours.
- (ii) The contractor shall be responsible to abide by the regulations or restrictions set in regard to entry into, and movement within the premises.
- (iii) The contractor shall not tamper with any of the existing installations including their switching operations or connections there to without specific approval from the Engineer-in-charge.

64. **Drawings:**

- (i) The work shall be carried out in accordance with the drawings and the tender documents and also in accordance with modification thereto from time to time as approved by the Engineer-in-charge.
- (ii) All wiring diagrams shall be deemed to be 'Drawings' within the meaning of the term as used in Clause 11 of the General Conditions of Contract (PWD 7/8). They shall indicate the main switch board, the distribution boards (with circuit numbers controlled by them), the runs of various mains and sub mains and the position of all points with their controls.
- (iii) After award of the work, the firm will be required to submit detailed drawings for the proposed work including layout plan, conduit routes showing location of points and height etc. Work will be carried out as per the approved drawings before start of work.

65. **Conformity to IE Act, IE Rules, and standards:**

- 65.1. All electrical works shall be carried out in accordance with the provisions of Indian Electricity Act, 1910 and Indian Electricity Rules, 1956 amended up to date (Date of call of tender unless specified otherwise). List of rules of particular importance to electrical installations under these General Specifications is given in Appendix C for reference.

66. **General requirements of components:**

- 66.1. **Quality of material:** All materials and equipment supplied by the contractor shall be new. They shall be of such design, size and materials as to satisfactorily function under the rated conditions of operation and to withstand the environmental conditions at site.
67. **Inspection of materials and equipment:**
- 67.1. Materials and equipment to be used in the work shall be inspected by the departmental officers. Such inspection will be of following categories:
- (i) Inspection of materials / equipment to be witnessed at the Manufacturer's premises in accordance with relevant BIS /Agreement Inspection Procedure.
 - (ii) To receive materials at site with Manufacturer's Test Certificate(s)
 - (iii) To inspect materials at the authorized dealer's go downs/Manufacturer factory to ensure delivery of genuine materials at site.
 - (iv) To receive materials after physical inspection at site.
- 67.2. Adequate care to ensure that only tested and genuine materials of proper quality are used in work shall be ensured by firm. The firm shall ensure that:
- (i) Material will be ordered & delivered at site only with the prior approval of the department to ensure timely delivery.
 - (ii) As and when the order is placed for the fittings/ fixtures, cables, switchgears, poles, rising main, other main items etc., its copy shall be endorsed to the CPWD Engineer-in-charge.
 - (iii) The firm will be required to procure material like exhaust fans, MCB's & DB's, switches & sockets, wires & cables, conduits and switchgears etc directly from the manufacturer/ authorized dealers to ensure genuineness & quality and as per the approved makes only. Proof in this regard shall be submitted by the contractor before installation at site to the department.
 - (iv) Inspection at factory or at godown of the manufacturer, as required, shall be arranged by the firm for a mutually agreed date. Certificate for genuineness of the fittings shall have to provided duly signed by the manufacturer's officer not below the rank of Regional Manager.
 - (v) Delivery of material shall be taken up only with the consent of department, after clearance of the material.
 - (vi) Department shall reserve the right to waive inspection in lieu of suitable test certificate, at its discretion.
- 67.3. Similarly, for fabricated equipment, the contractor will first submit dimensional detailed drawings for approval before fabrication is taken up in the factory. Suitable stage inspection at factory also will be made to ensure proper use of materials, workmanship and quality control.
68. **Ratings of components:**
- 68.1. All components in a wiring installation shall be of appropriate ratings of voltage, current and frequency, as required at the respective sections of the electrical installations in which they are used.
- 68.2. All conductors, switches and accessories shall be of such size as to be capable of carrying the maximum current, which will normally flow through them, without their respective ratings being exceeded.
69. **Conformity to standards:**

- 69.1. All components shall confirm to relevant Indian Standard Specifications wherever existing. Materials with ISI certification mark shall be preferred.
- 69.2. Relevant Indian Standards including amendments or revisions thereof up to the date of tender acceptance shall be applicable in the respective contracts for respective items, firm to ensure its compliance.
70. **Interchangeability:**
- Similar parts of all switches, lamp holders, distribution fuse boards, Switch gears, ceiling roses, brackets, pendants, fans and all other fittings of the same type shall be interchangeable in each installation.
71. **Workmanship:**
- 71.1. Good workmanship is an essential requirement to be complied with. The entire work of manufacture/fabrication, assembly and installation shall confirm to sound engineering practice.
- 71.2. Proper supervision/skilled workmen: The contractor shall be a licensed electrical contractor of appropriate class suitable for execution of the electrical work. He shall engage suitably skilled/licensed workmen of various categories for execution of work supervised by supervisors / Engineer of appropriate qualification and experience to ensure proper execution of work. They will carry out instruction of Engineer-in-charge and other senior officers of the Department during the progress of work.
- 71.3. Use of quality materials: Only quality materials of reputed make as specified in the tender will be used in work.
- 71.4. Fabrication in reputed workshop: Switch boards and LT panels shall be fabricated in a factory/workshop having modern facilities like quality fabrication, seven tank process, powder/epoxy paint plant, proper testing facilities, manned by qualified technical personnel. These shall be as per make / item approved.
72. **Testing:**
- 72.1. All tests prescribed in the Specification, to be done before, during and after installation, shall be carried out, and the test results shall be submitted to the Engineer-in-charge in prescribed Performa, forming part of the Completion Certificate.
- 72.2. All incidental expenditure to be incurred for testing of samples e.g. Packaging, sealing, transportation, loading, unloading etc. and testing charges for conducting tests as per specification, shall be borne by the contractor.
73. **Commissioning on completion:**
- 73.1. After the work is completed, it shall be ensured that the installation is tested and commissioned.
- 73.2. The contractor shall furnish copy of detailed instructions and manuals of manufacturers for all items of equipment's regarding installation, adjustments, operations and maintenance including preventive maintenance and troubleshooting together with all relevant data sheets, spare parts catalogue and workshop procedure for repairs, assembly and adjustment etc. all in triplicate. It can be one original copy & the other two may be the photocopy of the original
74. **Completion plan and completion certificate:**
- 74.1. For all works completion certificate after completion of work shall be submitted to the Engineer-in-charge.

74.2. Completion plan drawn to a suitable scale in A2 Sheet (It shall be laminated if desired by the Site- in-Charge) indicating the following, and three copies of the same shall also be submitted.

- (i) General layout of the building.
- (ii) Locations of main switchboard and distribution boards, indicating the circuit numbers controlled by them.
- (iii) Position of all points and their controls.
- (iv) Types of fittings, viz. fluorescent, pendants, brackets, bulk head, fans, exhaust fans etc.
- (v) Name of work, job number, tender reference, actual date of completion, names of Division/ Sub-division and name of the firm who executed the work with their signature.
- (vi) Cable layout showing general distribution diagram along with position of cable joints, if any.

75. **Guarantees:**

75.1. The routine as well as preventive maintenance for one year by manufacturer shall be carried out from the date of taking over the installation by department. Including attending all call back of break down round the clock, 365 days in a year in guarantee period.

75.2. In case it is felt by the department that undue delay is being caused by the contractor in doing this, the same will be got done by the department at the risk and cost of the contractor. The decision of the Engineer-in Charge in this regard shall be final.

76. **INDEMNITY :**

The successful tenderer shall at all times indemnify the department, consequent on this works contract. The successful tenderer shall be liable, in accordance with the Indian Law and Regulations for any accident occurring due to any cause and the department shall not be responsible for any accident or damage incurred or claims arising there from during the period of erection, construction and putting into operation the equipment's and ancillary equipment's under the supervision of the successful tenderer in so far as the latter is responsible. The successful tenderer shall also provide all insurance including third party insurance as may be necessary to cover the risk. No extra payment would be made to the tenderer due to the above.

~~77. **Approval from CFO :**~~

~~The Contractor shall be required to obtain NOC from Chief Fire Officer and work shall be deemed to be completed only after receiving NOC from CFO & rectification if any. Statutory fee if any shall be paid by department. However, all liasoning work / arranging inspection of CFO shall be the responsibility of contractor.~~

**Assistant Engineer (E)-P
FED, CPWD, NH-IV,
Faridabad**

**Executive Engineer (E)
FED, CPWD, NH-IV,
Faridabad**

SPECIAL SPECIFICATIONS & CONDITIONS

GENERAL

- 1.1. Except for the items, for which Particular Specifications are given herein or where it is specifically mentioned otherwise in this bid document, the work shall generally be carried out in accordance with the **CPWD Specifications. Wherever CPWD Specifications are silent, the latest BIS Codes/Specifications, National Building Code-2016, Manufacturers Specifications, Sound Engineering practices or well-established local construction practices as decided by the Engineer-in-charge shall be followed.**
- 1.2. A reference made to any Indian Standard Specifications in the document, shall imply to the latest version of that standard, including such revisions / amendments as issued by the Bureau of Indian Standards up to last date of receipt of tenders. The Contractor shall keep at his own cost all such publications of relevant Indian Standard applicable to the work at site.
- 1.3. All hardware items such as screws, thimbles, connectors, earth/neutral terminals, wires etc. which are essentially required for completing any item as per specifications will be deemed to have been included in the item even when the same have not been specifically mentioned.
- 1.4. All hardware material such as nuts/bolts/screws/washers etc. to be used in the work shall be zinc/cadmium plated iron. The galvanized boxes of modular switch/sockets etc. shall be of the same make as of switch/socket etc.
- 1.5. While laying conduit, suitable minimum number of junction boxes shall be left for pulling the wires. These shall be placed in such a way that the same do not remain noticeable.
- 1.6. Any conduit which is not be wired by the contractor shall be provided with GI fish wire for wiring by some other agency subsequently. Nothing extra shall be paid for the same.
- 1.7. Multi stranded FRLS PVC insulated copper conductor wires are to be used in the work. Termination of multi-stranded conductors shall be done using crimping type copper thimbles at both the ends. Nothing extra shall be paid for the same.
- 1.8. The contractor shall follow the shortest route for circuits, sub-main, point wiring etc.
- 1.9. The connections of switches, sensors, earthing conductors & interconnections cables shall be made by adequate rating thimbles of approved standard makes only and nothing extra on this account shall be paid.
- 1.10. Check nuts shall be provided while terminating the M.S. conduits in switch board boxes for which nothing extra shall be paid.
- 1.11. All distribution boards shall be marked with circuits controlling the rooms/area/SDB controlled
- 1.12. Material to be used in the work shall be ISI marked. The makes of materials have been indicated in the list of acceptable makes. No other make 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 specifications
- 1.13. While deciding the size of switch boxes for light points/fan point, exhaust fan point items, extra two modules will be provided for each fan point for fixing of regulator(s) (fan regulator is to be provided under different item). Wherever extra modules are available, the same shall be provided with blanking plates without any extra cost.

- 1.14. Modular type switches/sockets/telephone outlets/TV sockets are to be provided wherever indicated in the items. The same shall be of only one make. The modular plates of switches, sockets, telephone & TV sockets etc. shall be in two parts i.e. plates with frames with in quoted rates.
- 1.15. The building shall be provided with false ceiling in various areas. In order to avoid maintenance problem, the contractor will not provide any ceiling rose/connector/looping box etc. above the false ceiling. The point wiring in that case will be extended up to the fitting/fan etc. directly without provisions of any termination arrangement in between. The wire from the end point up to the fixture shall be considered to be included in the point wiring. Nothing extra shall be paid for the same.
- 1.16. Wherever it is not possible to provide rigid conduits, flexible conduit pipe shall be provided for drawing/running the wires. However, such arrangement has to be kept to the barest minimum and only with the prior approval of Engineer-in-charge.
- 1.17. Earthing and all hidden items of work shall be carried out in the presence of the Engineer-in-charge or his authorized representative.
- 1.18. The fan box cover shall be made from 3mm thick phenolic laminated sheet as per CPWD specification.
- 1.19. The contractor shall provide only metallic junction boxes/looping boxes with cover of required sizes even in PVC conduiting and such boxes shall be measured as a part of conduit/wiring without any extra payment.
- 1.20. The metallic junction boxes & looping boxes shall be covered with approved makes of phenolic laminated sheet. For telephone, television & fire alarm system shall be provided at all the floors within scope of work without any extra cost as per requirement & layout approved by Engineer-in-charge.
- 1.21. The firm has to go through the site order book kept with the Junior Engineer (E) regularly and has to sign the same and carryout the instructions recorded therein by various officers of the department.
- 1.22. The quantities of various items may vary from the quantities given in schedule of work. The agency shall bring the various items & materials as per actual requirement at site at the time of execution of work. Excess quantities shall not be accepted & paid by the department.
- 1.23. The ceiling roses wherever required to be provided are included in the scope of work without extra payment and the same shall also be of modular type & of the same make as that of switches & sockets along with earthing provision.
- 1.24. The MCB should be of same make as that of MCB DBs.
- 1.25. The MCB distribution boards shall be factory fabricated in the works of 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.
- 1.26. Microprocessor type MCCB should have centrally adjustable overload setting & short circuit setting as per OEM standards. All MCCB should be ICS=ICU.
- 1.27. Suitable crimping tools shall be used for crimping the lugs/thimbles/ferrules. Nothing extra shall be paid on this account. The lugs/thimbles/ferrules pressed by conventional/ordinary pliers shall not be accepted.
- 1.28. All the equipments shall be delivered with (i) Manufacturer's test certificate, (ii) Manufacturer's technical catalogues and Installation / Instruction (O&M) manuals.

- 1.29. The work shall be carried out according to approved drawing/details which shall be subsequently issued to the successfully qualified bided bidder for execution, in stages as per instruction of the Engineer-in-Charge who will have the right to change the layout as per requirement at site and the contractor shall not have any claim due to change in layout.
- 1.30. The bad workmanship will not be accepted, and defects shall be rectified at contractor's cost to the satisfaction of the Engineer-in-Charge. The program of electrical works is to be coordinated in accordance with the building work.
- 1.31. The contractor or his engineer is bound to sign the site order book as and when required by the Engineer-in-Charge and to comply with the remarks therein.
- 1.32. The contractor has to make his own arrangements for stores and watch & ward. No extra claim for this will be entertained.
- 1.33. The contractor shall make his own arrangements for electrical power supply for the construction activities. No extra payments for the same will be made.
- 1.34. The wiring and conduit route shall be marked by the contractor in the drawing first, and shall be got approved from the Engineer-in-charge.
- 1.35. The connection inter connection, earthing and inter earthing shall be done by the contractor wherever required and nothing extra shall be paid on this account.
- 1.36. All the sub main and circuits wiring includes loose wire for connections inside switch boxes and MCB DBs. No payment for these loose wires shall be made.
- 1.37. All PVC/ MS conduits accessories shall be of the same make as conduits and shall be ISI marked. The conduits shall be terminated as switch boxes/metallic junction boxes with suitable glands/check nuts.
- 1.38. Concern EE(E) shall have to confirm the quality of materials used at site.
- 1.39. No Chinese Material shall be used at site

**Assistant Engineer (E)-P
FED, CPWD, NH-IV,
Faridabad**

**Executive Engineer (E)
FED, CPWD, NH-IV,
Faridabad**

LIST OF PREFERRED MAKES FOR E&M WORK

Approved makes of materials to be used in the work are as given in the table below. Engineer-in-charge /NIT approving authority have right to change the make of any product for the smooth execution or timely completion of the work. Only BIS marked materials shall be generally used in the work. Non-BIS marked materials may be permitted by the Engineer-in-charge only when BIS marked materials are not manufactured. **No Chinese parts or product will be used for the execution for this work & preference to make in India product will be given.**

The Contractor shall obtain prior approval from the Engineer-in-charge before placing order for any specific material or engaging any of the specialized agencies and the brand / make of the material as specified in the particular specifications and in the list of preferred makes of materials attached in the tender. The Contractor shall make a detailed submittal with catalogues and highlighted proposed specifications, as well as full details of the works proposed to be executed by the specialized agency.

Note: The makes are subject to the compliance of Make in India norms.

<u>S. NO.</u>	<u>ITEMS</u>	<u>MAKES</u>
1.	FRLS PVC SINGLE CORE CABLE (ISI MARKED)	FINOLEX/ POLYCAB/ HAVELLS/ RR KABEL/ BATRA HENLAY/ KEI/ AKG / GLOSTER
2.	PVC INSULATED & PVC SHEATHED / XLPE ARMoured POWER CABLE (ISI MARKED)	FINOLEX/POLYCAB/ HAVELLS/ RR KABEL/ BATRA HENLAY/ KEI/ AKG / GLOSTER
3.	LED STREET LIGHT/FLOOD LIGHT/Post top Lantern FITTING	PHILLIPS/ HAVELLS/LIGHTING TECHNOLOGY/REGENT/ WIPRO/ CROMPTON/BAJAJ

Note:- Any other item not mentioned in the NIT shall have to be prior approve from Engineer-in-charge before executing at site.

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Faridabad**

AE(E)-P

EE(E)

SCHEDULE OF WORK						
Name of Work:- Upgradation of New & Old residential colony at NH-IV, Faridabad. (SH:- Repairing of Street lights and providing flood lighting for illumination & removing dark zones in old colony.)						
Sr. No.	Description of Item	Qty.		Rate	Unit	Amount
1	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 0C to 50 0C, 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.≥ 95, IP-66,IK-10, CRI >70, under voltage and over voltage protection, EMIEMC 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 ≥ 105 <120 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).					
a)	90 watt	60	Nos.	2162.00	Each	129720.00
b)	120 watt	40	Nos.	2612.00	Each	104480.00

2	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: Input voltage: 140-270 Volt AC, frequency 50/60 hz, Operating temp range -5 0C to 50 0C, 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 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°K / 4000°K / 5700°K /6500°K (As per ANSI Bin), SDCM(Standard Deviation Color 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 ≥ 105 <120 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).					
a)	100 watt	80	Nos.	2266.00	Each	181280.00
b)	150 watt	40	Nos.	3166.00	Each	126640.00
3	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required.					
a)	Upto 35 sq. mm	800	Mtr.	64.00	P.Mtr.	51200.00
4	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	1600	Mtr.	84.00	P.Mtr.	134400.00
5	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	Set	7658.00	Set	76580.00
6	Credit for assorted material					
a)	Street Light fitting of assorted size	80	Nos.	-30.00	Each	-2400.00
b)	Flood Light fitting of assorted size	40	Nos.	-30.00	Each	-1200.00
					TOTAL	800700.00

**Assistant Engineer (E)-P
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Faridabad**

**Executive Engineer (E)
FED, CPWD, NH-IV,
Faridabad**

PART - D

FINANCIAL BID

PROFORMA FINANCIAL BID

CENTRAL PUBLIC WORKS DEPARTMENT				
NIT No.. 91/EE(E)/FED/2026-27				
Name of Work: Upgradation of New & Old residential colony at NH-IV, Faridabad. (SH:- Repairing of Street lights and providing flood lighting for illumination & removing dark zones in old colony.)				
Name of Contractor:				
S. No.	Component of Work	Estimated Cost (Rs.)	Quoted Percentage (at par/above/below) the Total Estimated Cost	TOTAL TENDERED AMOUNT (Rs.)
1.	(E&M Works) (As per Schedule of Qty)	8,00,700/-		
TOTAL ESTIMATED COST		8,00,700/-		

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FED, CPWD, NH-IV,
Faridabad**

AE(E)-P

EE(E)