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कार्य का नाम :- एआरएमओ में विभिन्न ई एंड एम सेवाओं का रखरखाव कार्य भारतीय खेल प्राधिकरण, एनसीओई, रोहतक (हरियाणा) (उपशीर्ष : पावर कॉन्टैक्टर और अन्य इलेक्ट्रिकल इंस्टॉलेशन को बदलने का कार्य)

Name of Work: “ARMO of various E & M Services at SAI, NCOE, Rohtak (Haryana). (SH:- Replacement of Power contactor & Misc. Electrical Installation)”

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एन आई टी नं: **38/EE(E)/KED/2026-27/Karnal** रुपये **5,58,010** / – (रुपये पांच लाख अठावन हजार दस मात्र) जिसमें पृष्ठ संख्या 1 से 29 है, को एतद् द्वारा अनुमोदित किया जाता है।

NIT No. **38/EE(E)/KED/2026-27/Karnal** for Rs. **5,58,010/- (Rupees Five Lakhs Fifty Eight Thousand Ten Only)** only having Pages No. 1 to 29 is hereby approved.

In case there's a discrepancy between English & Hindi versions in any line of this NIT, the English version shall prevail.

Assistant Engineer (E)
HESD, CPWD, HISAR
Hisar-125001

Executive Engineer (E)
KED, CPWD, Karnal
Karnal-132001

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ई-टेंडरिंग एवं वेबसाइट पर पोस्ट किए जाने हेतु संविदाकार के लिए जानकारी और निर्देश

INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR e-TENDERING

(खुली निविदाएं आमंत्रित करने के लिए लागू)

(Applicable for inviting Bids)

The Assistant Engineer (E), Hisar Electrical Sub Division, CPWD, Hisar – 125001 (e-mail: cpwdhisar@gmail.com) on behalf of the President of India invites online **Percentage Rate** e-tender in **single bid system** from approved and eligible **CPWD registered contractors enlisted in Buildings & Road Category (Erstwhile Composite/Infrastructure) of appropriate class / Buildings & Roads** for the following work:

क्रम संख्या/ SI. No.	एनआईटी नं./NIT No.	कार्य का नाम एवं स्थान Name of Work & Location	अनुमानित लागत /Estimated Cost put to tender	अग्रिम धनराशि/Earnest Money	कार्य अवधि /Period of Completion	प्रेस नोटिस में निर्दिष्ट अनुसार बोली, ईएमडी, ई-टेंडर प्रसंस्करण शुल्क और अन्य दस्तावेज जमा करने की अंतिम तिथि और समय/ Last date & time of submission of bid, EMD, e- tender processing fee and other documents as specified in the press notice	बोली खोलने का समय और तारीख Time and date of opening of Bid
1	2	3	4	5	6	7	8
1	38/EE(E)/KED/2026-27/Karnal	एआरएमओ में विभिन्न ई एंड एम सेवाओं का रखरखाव कार्य भारतीय खेल प्राधिकरण, एनसीओई, रोहतक (हरियाणा) (उपशीर्ष : पावर कॉन्टैक्टर और अन्य इलेक्ट्रिकल इंस्टॉलेशन को बदलने का कार्य) ARMO of various E & M Services at SAI, NCOE, Rohtak (Haryana). (SH:- Replacement of Power contactor & Misc. electrical Installation)”	Rs. 5,58,010/-	Rs. 11,160/-	01 Month	22.09.2026 Upto 15:00 hrs	22.09.2026 15:30 hrs

- The intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
- Information and Instructions for bidders posted on website shall form part of bid document and to be posted on website.
- The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website www.etender.cpwd.gov.in free of cost.
Bidders are advised to keep visiting the above-mentioned website from time to time (till the deadline for bid submission) for any updates in respect of the tender documents, if any. Failure to do so shall not absolve the applicant of his liabilities to submit the applications complete in all respect including updates thereof, if any. An incomplete application may be liable for rejection.
- Earnest Money in the form of Insurance Surety Bonds, Account Payee Demand Draft or Banker's Cheque or Fixed Deposit Receipt (FDR), or Bank Guarantee including e-Bank Guarantee (for balance amount as prescribed) from any of the Commercial Bank drawn in favor of **Executive Engineer (E), KED, CPWD, Karnal** 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 Assistant Engineer inviting bid of this sub-division office or any

Assistant Engineer/Assistant Accounts Officer/Executive Engineer, CPWD within the period of bid submission. The EMD receiving Assistant Engineer/Assistant Accounts Officer/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 the tender inviting AE in the NIT.

5. But the bid can only be submitted after deposition of original EMD either in the office of Assistant Engineer inviting bids or sub-division/division office of any Assistant/Executive Engineer, CPWD within the period of bid submission and uploading the mandatory scanned documents. The EMD documents shall only be issued from the place in which the office of receiving division office is situated.
6. Those contractors, who are not registered or have not updated their profile on the website mentioned above, are required to get registered / update their profile beforehand. The necessary training materials including the videos with step to step process are available on download section of <https://etender.cpwd.gov.in>
7. 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 instructions available on download section of <https://etender.cpwd.gov.in>.
8. On opening date, the contractor can login and see the bid opening proves. After opening of bids, he will receive the competitor bid sheets.
9. Contractor can upload documents in the form of **JPG** format and **PDF** format.
10. Contractor must ensure to quote rate in the prescribed column(s) 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 does not quote any percentage above/below on the total amount of the tender or any section / sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer. The quoted rate shall be inclusive of all Taxes, Royalty, Octroi, GST etc. and bonus payable to workers under labour act. No reimbursement shall be made for taxes paid like GST etc. and Bonus payable under relevant Labour Act.
The "Schedule of Quantity" of the bid may contain items of "Credit" for which bidder is required to quote the percentage for this part either "at par" or "above". If the bidder quotes the percentage "below", the same shall be considered "at par" and the bid shall be evaluated accordingly.
11. It is mandatory to fill details / upload scanned copies of all the documents as stipulated in the bid document. If such document is not uploaded his bid will become invalid and processing fee shall not be refunded.
12. If the Contractor is found ineligible after opening of bids, his bid shall become invalid.
13. **As per DG Circular No. DG/Enlist. Rules-2023/10 dated 22.04.2024, the enlisted contractor will not be allowed to participate in tendering process without uploading the certificate of compulsory ERP Training.**
14. 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 Contractor, the bid shall become invalid.
15. The bidders are advised to inspect and examine the site & its surroundings and satisfy themselves before submitting their tender. Bidder shall be deemed to have full knowledge of the site.

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) **Copy of receipt for deposition of original EMD issued from any Executive Engineer / Assistant Engineer/ Assistant Engineer (Planning)/ AAO in CPWD.**
- (iii) Copy of Enlistment order of the contractor of the Building & Roads category (Erstwhile Composite/Infrastructure) in CPWD in appropriate class.
- (iv) Copy of Valid Electrical Contractor License or UNDERTAKING that they will either obtain valid electrical license at the time of execution of electrical work or associate agency having valid electrical license of appropriate voltage in the name issued by the State government or Union Territory under section 31 of the Indian electricity Rules, 1956 as amended up-to-date, for execution of work which requires such a license. Such associate agency shall keep valid electrical license throughout the period of execution of work by getting it renewed at suitable intervals.
- (v) GST Registration Certificate, if already obtained by the bidder.
If the bidder has not obtained GST registration as applicable then he shall scan and upload following under taking 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."
- (vi) Copy of PAN Card
- (vii) The agency should upload Bank Account Details registered with his firm.
- (viii) ERP Training Certificate
- (ix) Any other Document as specified in the NIT

सहायक अभियंता (वै.)
हिसार वैद्युत उपमंडल
के.लो.नि.वि., हिसार।

भारत सरकार
Government of India
केंद्रीय लोक निर्माण विभाग
Central Public works Department
निविदा आमंत्रण सूचना
NOTICE INVITING TENDER
CPWD-6 FOR E-TENDERING

सहायक अभियंता (वै०) हिसार इलेक्ट्रिकल सब-डिविजन के.लो.नि.वि., हिसार - 125001 (ई-मेल: cpwdhisar@gmail.com), भारत के राष्ट्रपति की ओर से निम्नलिखित कार्य के लिए उपयुक्त श्रेणी की भवन और सड़क श्रेणी (पहले कम्पोजिट/इंफ्रास्ट्रक्चर) में सूचीबद्ध और पात्र के.लो.नि.वि पंजीकृत ठेकेदारों से ऑनलाइन प्रतिशत दर वाली बोली (ई-टेंडर) आमंत्रित करते हैं:-

The Assistant Engineer (E), Hisar Electrical Sub Division, CPWD, Hisar - 125001 (e-mail: cpwdhisar@gmail.com) on behalf of the President of India invites online **Percentage rate Bid** e-tender from approved and eligible **CPWD registered contractors enlisted in Buildings & Road Category (Erstwhile Composite/Infrastructure) of appropriate class** for the following work:

कार्य का नाम: एआरएमओ में विभिन्न ई एंड एम सेवाओं का रखरखाव कार्य भारतीय खेल प्राधिकरण, एनसीओई, रोहतक (हरियाणा) (उपशीर्ष : पावर कॉन्टैक्टर और अन्य इलेक्ट्रिकल इंस्टॉलेशन को बदलने का कार्य)

Name of Work: **ARMO of various E & M Services at SAI, NCOE, Rohtak (Haryana). (SH:- Replacement of Power contactor & Misc. electrical Installation)"**

The enlistment of the contractor 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.

1. The work is estimated to cost for **Replacement of Power contactor & Misc. electrical Installation at NCoE, Rohtak.** is **Rs. 5,58,010/- only**. This estimate, however, is given merely as a rough guide.
2. Agreement shall be drawn with the successful bidders 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.etender.cpwd.gov.in. Bidders shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out the work will be **01 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 tender documents.
4. The site for the work is available.
5. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen from website www.etender.cpwd.gov.in free of cost.
6. After submission of the bid the contractor can re-submit revised bid any number of times or withdraw it before last date and time of submission of bid as notified. No post-tender modification is allowed by the tenderers except through negotiations, if required. In case, any tenderer does so, the tender will be rejected and the tenderer will be debarred for future tendering in CPWD for two years by the concerned enlisting authority (In case of CPWD enlisted contractor) and by the concerned CE/SE (In case of non-enlisted contractor).
7. Earnest Money in the form of Insurance Surety Bonds, Account Payee Demand Draft or Banker's Cheque or Fixed Deposit Receipt (FDR), or Bank Guarantee including e-Bank Guarantee (for balance amount as prescribed) from any of the Commercial Bank drawn in favor of **Executive Engineer (E), KED, CPWD, Karnal** 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 Assistant Engineer inviting bid of this sub-division office or any Assistant Engineer/Assistant Accounts Officer/Executive Engineer, CPWD within the period of bid submission. The EMD receiving Assistant Engineer/Assistant Accounts Officer/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 the tender inviting AE 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 lac, 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 a period of 90 days for single bid works and 180 days for two bid system or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders.

The earnest money given by all the tenderers except the lowest tenderer shall be refunded immediately after the expiry of stipulated bid validity period or immediately after acceptance of the successful bidder, whichever is earlier. However, in case of two/ three bid system, earnest money deposit of bidders unsuccessful during technical bid evaluation etc. should be returned within 30 days of declaration of result of technical bid evaluation.

8. Copy of Enlistment Order and other documents as specified in the notice inviting e- tender shall be scanned and uploaded on the e-Tendering website within the period of bid submission. However, certified copy of all the scanned and uploaded documents as specified in e- tender notice shall have to be submitted by the lowest bidder within a week physically in the office of tender opening authority. Online bid documents submitted by intending bidders shall be opened only of those bidders, whose original EMD deposited with any division of CPWD and other documents scanned and uploaded are found in order.

The bid submitted shall be opened at **15:30 PM on 22.09.2026**

9. The bid submitted shall become invalid and e-Tender processing fee shall not be refunded if:-
 - (i) The bidder is found ineligible.
 - (ii) The bidder does not upload scanned copies of all the documents stipulated in the Bid Document.
 - (iii) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest bidder in the office of bid opening authority.
 - (iv) If a tenderer does not quote any percentage above/below on the total amount of the tender or any section/sub head in percentage rate tender, then the tender shall be treated as invalid and will not be considered as lowest tenderer.
10. The contractor whose bid is accepted will be required to furnish performance guarantee of 5% (Five Percent) of tendered value or Estimated Cost put to tender (ECPT) (Whichever is higher). 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 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 the Commercial Banks in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F', including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along with bid shall be returned after receiving the aforesaid performance guarantee. The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses/ registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board including Provident Fund Code No. If applicable and also ensure the compliance of aforesaid provisions by the subcontractors, if any engaged by the contractor for the said work within the period specified in Schedule F.

11. The description of the work is as follows:

एआरएमओ में विभिन्न ई एंड एम सेवाओ का रखरखाव कार्य भारतीय खेल प्राधिकरण, एनसीओई, रोहतक (हरियाणा) (उपशीर्ष : पावर कॉन्टैक्टर और अन्य इलेक्ट्रिकल इंस्टॉलेशन को बदलने का कार्य)

ARMO of various E & M Services at SAI, NCOE, Rohtak (Haryana). (SH:- Replacement of Power contactor & Misc. electrical Installation)"

Intending bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidders shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidders implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done

- and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.
12. The competent authority on behalf of the President of India does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidders shall be summarily rejected.
 13. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable to rejection.
 14. The competent authority on behalf of President of India reserves to himself the right of accepting the whole or any part of the bid and the bidders shall be bound to perform the same at the rate quoted.
 15. 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 as 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.
 16. No Engineer of Gazetted rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the previous permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the bid or engagement in the contractor's service.
 17. **The bid for the works shall remain open for acceptance for a period of 30 days from the date of opening of bid in case of single bid system.**
 - (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 and time (24 hours basis) 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 and time (24 hours basis) 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) Withdrawal of the tender, by the tenderer, shall only be made through e-tender portal. Any other method i.e. through letter/ e-mail etc. shall not be considered.
 - (iv) 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.
 18. This notice inviting Bid shall form a part of the contract document. The successful bidder/ contractor, on acceptance of his bid by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of:-
 - (a) The Notice Inviting Bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
 - (b) Standard **C.P.W.D. Form 7** or other Standard C.P.W.D. Form as applicable.
 19. The intending bidders are required to update their profile in CPWD e-tender portal and to upload their bids well in advance of last date of submission of tender. Any issue related to updating profile/uploading tender can be resolved through the concerned Assistant Engineer (E) (01662-276382 e-mail: cpwdhisar@gmail.com or ERP help line no 18001803286 or E-mail ID cpwd.support@techmahindra.com. The e-tendering bidders are also advised not to wait to raise any issues till the last date of submission of bid in their own interest.

Assistant Engineer (E)
Hisar Elect. Sub Division
CPWD, Hisar - 125001

FORM – F

FORMAT OF RECEIPT OF DEPOSITION OF ORIGINAL EMD

RECEIPT OF DEPOSITION OF ORIGINAL EMD (RECEIPT NO. / DATE)	
NAME OF WORK: ARMO of various E & M Services at SAI, NCOE, Rohtak (Haryana). (SH:- Replacement of Power contactor & Misc. electrical Installation)”	
1. NIT NO. : 38/EE(E)/KED/2026-27/KARNAL 2. ESTIMATED COST : RS. 5,58,010/- 3. AMOUNT OF EARNEST MONEY DEPOSIT : RS. 11,160/- 4. LAST DATE OF SUBMISSION OF BID : 22.09.2026 (*To be filled by NIT approving authority / EE at the time of issue of NIT and uploaded along with NIT)	
1. NAME OF CONTRACTOR# 2. FORM OF EMD# 3. AMOUNT OF EARNEST MONEY DEPOSIT# 4. DATE OF SUBMISSION OF EMD# Signature, Name and Designation of EMD Receiving officer (EE/AE(P)/AE/AAO) Along with Office Stamp (# To be filled by EMD receiving EE or NIT issuing EE/AE as the case may be)	

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

के.लो.नि.वि./C.P.W.D.- 7

भारत सरकार GOVERNMENT OF INDIA
केन्द्रीय लोक निर्माण विभाग CENTRAL PUBLIC WORKS DEPARTMENT

राज्य STATE : Haryana

परिमंडल CIRCLE : Karnal

भाखा BRANCH : E & M

मंडल DIVISION : KED, Karnal

अंचल ZONE : ADG Chandigarh

उपमंडल SUB-DIVISION : HESD, Hisar

कार्यों के लिए मद दर निविदा एवं संविदा

Percentage Rate Bid & Contract for Works

- (A) कार्य के लिए निविदा : एआरएमओ में विभिन्न ई एंड एम सेवाओं का रखरखाव कार्य भारतीय खेल प्राधिकरण, एनसीओई, रोहतक (हरियाणा) (उपशीर्ष : पावर कॉन्टैक्टर और अन्य इलेक्ट्रिकल इंस्टॉलेशन को बदलने का कार्य)
- Bid for the work of **ARMO of various E & M Services at SAI, NCOE, Rohtak (Haryana). (SH:- Replacement of Power contactor & Misc. electrical Installation)"**

(i) Bids to be submitted online by **15.00 PM on 22.09.2026**(ii) To be opened on line in presence of bidders who may be present at **15.30 PM on 22.09.2026 in the office of Assistant Engineer (E), HESD, CPWD, Hisar****निविदा/TENDER**

मैंने/हमने कार्य के लिए निविदा आमंत्रण सूचना, अनुसूची क,ख,ग,घ, ङ, और च, लागू विनिर्देश, नक्शे एवं डिजाइन, सामान्य नियम एवं निर्देश, ठेके के उपबंध, विशिष्ट शर्तें, दर अनुसूची एवं अन्य कागजात तथा ठेके की शर्तों में दिए गए नियम तथा निविदा कागजात में उल्लिखित अन्य बातों को पढ़ व जांच लिया है।

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

मैं/हम, एतद्वारा भारत के राष्ट्रपति के लिए अनुसूची 'च' में विनिर्दिष्ट समय के भीतर विनिर्दिष्ट कार्य, यथा-मात्राओं की अनुसूची तथा सभी संबंधित विनिर्देशों, डिजाइनों, नक्शों के अनुरूप तथा सामान्य नियमावली के नियम-1 और ठेके की शर्तों के खंड-11 में उल्लिखित लिखित अनुदेशों एवं ऐसी सामग्रियों, जो प्रदान की जाती है और उसके संबंध में, ऐसी शर्तें जो लागू हों, के अनुरूप निष्पादन हेतु निविदा देता हूँ/देते हैं।

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

We agree to keep the bid open for 30 (Thirty) days from the date of opening of bids in case of single bid system and not to make any modification in its terms and conditions.

रु0 11,160/- की धनराशि, धरोहर राशि के रूप में नकद/देजरी चालान रसीद/अनुसूचित बैंक की मांग जमा रसीद/अनुसूचित बैंक की सावधी जमा रसीद/ अनुसूचित बैंक के डिमांड ड्राफ्ट/अनुसूचित बैंक द्वारा जारी बैंक गारंटी के रूप में एतद्वारा अग्रेषित की जाती है। यदि मैं/ हम निर्धारित निष्पादन गारंटी को निर्धारित समय अवधि में प्रस्तुत करने में असफल रहते हैं तो मैं/हम यह मंजूर करते हैं कि भारत के उक्त राष्ट्रपति या उनके कार्यालय के उत्तराधिकारी किसी अन्य अधिकारी या उपचारी उपाय पर प्रतिकूल प्रभाव डाले बिना उक्त धरोहर राशि जब्त करने के लिए पूर्णतया स्वतंत्र होंगे। इसके अलावा, यदि मैं/हम विनिर्दिष्ट कार्य प्रारम्भ करने के असफल रहते हैं तो मैं/हम यह मंजूर करते हैं कि भारत के राष्ट्रपति या उनके कार्यालय के उत्तराधिकारी कानून में उपलब्ध किसी अन्य अधिकार या उपचारी उपाय पर प्रतिकूल प्रभाव डाले बिना उक्त धरोहर राशि, तथा निष्पादन गारंटी जब्त करने के लिए पूर्णतया स्वतंत्र होंगे अन्यथा उक्त धरोहर राशि निविदा कागजात के अनुसार उसमें निहित शर्तों व निबंधनों के अनुसार कार्यों के निष्पादन एवं आदिष्ट विचलनों को अनुसूची 'च' में वर्णित प्रतिशत से अनधिक व निविदा प्रपत्र के खण्डों 12.2 व 12.3 में निहित प्रावधानों के अनुसार निश्चित की जाने वाली दरों पर उस सीमा से अधिक के विचलनों के करने के लिए उनके द्वारा प्रतिभूति-निक्षेप के रूप में रोक ली जायेगी। इसके अतिरिक्त मैं/हम सहमत हैं कि बयाना राशि या बयाना राशि तथा उपर्युक्त निष्पादन गारंटी जब्त हो जाने के मामले में मुझे/हमें कार्य की पुनः निविदा प्रक्रिया में भाग लेने से रोक दिया जाएगा।

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. Further, if I/we fail to commence work as specified, I/we agree that President of India or his successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely and debarred for participation in the re-tendering process of the work.

A sum of **Rs. 11,160/-** is here by forwarded in Receipt Treasury Challan /Deposit at call Receipt of a Scheduled Bank /fixed deposit receipt of schedule bank/demand draft of a Scheduled bank/Bank Guarantee issued by a schedule bank, as earnest money. If I/we, fail to furnish the prescribed performance guarantee within prescribed period. I/we agree that the said President of India or his successors in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/we fail to commence work as specified, I/we agree that President of India or his successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the bid documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered, upto maximum of the percentage mentioned in schedule 'F' and those in excess of that limit at the rates to be determined in accordance with the provision contained in clause 12.2 and 12.3 of the bid form. Further I/we agree that in case of forfeiture of Earnest money or both earnest money & Performance Guarantee as aforesaid, I/we shall be debarred for participation in the re-tendering process of the work.

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

मैं/हम एतद्वारा घोषणा करते हैं कि मैं/हम निविदा कागजातों, नक्शों और कार्य से संबंधित अन्य अभिलेखा को गुप्त/गोपनीय कागजात के रूप में रखेंगे और उनसे प्राप्त/ली गई जानकारी किसी अन्य को, जिन्हें मैं/हम सूचित करने के लिए प्राधिकृत हो, से भिन्न किसी को, नहीं बताएंगे या जानकारी को किसी ऐसे रूप में प्रयोग नहीं करेंगे जो राज्य की सुरक्षा के लिए प्रतिकूल हो।

I/We hereby declare that I/we shall treat the bid 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.

तारीख Dated:

ठेकेदार के हस्ताक्षर Signature of Contractor

डाक पता Postal Address

साक्षी Witness : #

पता Address: #

उपजीविका Occupation : #

स्वीकृति /ACCEPTANCE

मैं भारत के राष्ट्रपति की ओर से तथा उनके लिए रु0:- '.....' (रूपये '.....') की राशि के लिए उपर्युक्त निविदा (अधोलिखित पत्रों के अनुसार परिवर्तित) स्वीकार करता हूँ।

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

नीचे दिए गए पत्र इस ठेका करार का हिस्सा होंगे।

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

i) *

ii) *

iii) *

भारत के राष्ट्रपति की ओर से तथा उनके लिए
For & on behalf of the President of India

हस्ताक्षर Signature

पदनाम Designation

तारीख Dated *.....

कार्यों की अनुसूचियां SCHEDULES FOR WORK

अनुसूची 'क' SCHEDULE 'A'

मात्राओं की अनुसूची (संलग्न) : **As attached herewith**
 Schedule of quantities (Enclosed)

अनुसूची 'घ' SCHEDULE 'D'

कार्य के लिए विशिष्ट आवश्यकताओं/दस्तावेज़ के लिए : **NIL**
 अतिरिक्त अनुसूची, यदि कोई हो
 Extra schedule for specification requirements/
 document for the work, if any

अनुसूची 'ड' SCHEDULE 'E'

1 ठेके की सामान्य भातों का संदर्भ : **General Conditions of Contract for maintenance Works – 2023 with upto date correction slip issued upto the previous day to last date of submission of the tender**
 Reference to General Conditions of contract.

(i) कार्य का नाम: : एआरएमओ में विभिन्न ई एंड एम सेवाओं का रखरखाव कार्य भारतीय खेल प्राधिकरण, एनसीओई, रोहतक (हरियाणा) (उपशीर्ष : पावर कॉन्टैक्टर और अन्य इलेक्ट्रिकल इंस्टॉलेशन को बदलने का कार्य)
Name of Work:- **ARMO of various E & M Services at SAI, NCOE, Rohtak (Haryana). (SH:- Replacement of Power contactor & Misc. electrical Installation)"**

(ii) कार्य की अनुमानित लागत : **Rs. 5,58,010/-**
 Estimated cost of work:

(iii) धरोहर राशि : **Rs. 11,160/-**
 Earnest money:

(iv) निष्पादन गारंटी : **a) 5% of tendered value or Estimated Cost put to tender (ECPT) (Whichever is higher).**
Performance Guarantee : **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.**

(v) प्रतिभूति निक्षेप: **2.5% of Tender Value**
Security Deposit:

अनुसूची 'च' SCHEDULE 'F'

सामान्य नियम एवं दिशानिर्देश:

General Rules & Directions.

निविदा आमंत्रण करने वाला प्राधिकारी : **Assistant Engineer (E)**
 Officer inviting tender **HESD, CPWD, Hisar or his successor thereof**

परिभाषाएँ:— **Definitions:**

2(v) भारसाधक इंजीनियर : **Assistant Engineer (E)**
 Engineer-in-Charge **HESD, CPWD, Hisar or his successor thereof**

2(viii) स्वीकार कर्ता प्राधिकारी : **Assistant Engineer (E)**
 Accepting Authority **HESD, CPWD, Hisar or his successor thereof**

2(x) अतिरिक्त और लाभों को पूरा करने के लिए : **15%**
 सामग्रियों की लागत पर प्रतिशतता
 Percentage on cost of materials and labour

to cover all overheads and profits.

- 2(xi) दरों की मानक अनुसूची : *DSR-2025 E&M & MR (with amendments / correction slip upto last date of receipt of bids)*
Standard Schedule of Rates
- 2(xii) विभाग : *Central Public Works Department*
Department
- 9(ii) मानक के.लो.नि.वि. ठेका फार्म, संशोधित और : *CPWD form 7, GCC 2023 (Maint. Work) as modified and corrected upto the previous day to last date of submission of the tender*
भोद्धित के.लो.नि.वि. फार्म
Standard CPWD contract form

खण्ड—1

Clause 1

- (i) स्वीकृति पत्र जारी होने की तारीख से निष्पादन : *07 Days*
गारंटी के प्रस्तुतीकरण के लिए अनुमत समय,
दिनों में।
Time allowed for submission of
Performance Guarantee from the date of
issue of letter of acceptance, in days
- (ii) ,क्सटेंशन, दिनों में : *03 Days on written request of contractor stating the reason of delay in procuring performance guarantee to the satisfaction of Engineer-in-Charge.*
Maximum allowable extension with late fee
@ 0.1% per day of performance guarantee
amount beyond the period provided in (i)
above

खण्ड—2

Clause 2

खण्ड 2 के तहत प्रतिकर निश्चित करने वाला : *Superintending Engineer
Karnal CPWD, or his successor
thereof*
प्राधिकारी
Authority for fixing compensation under
Clause 2

खण्ड—2ए

Clause 2A

क्या खण्ड 2। क लागू होगा। : *No*
Whether Clause 2A shall be applicable

खण्ड—5

Clause 5

कार्य आरम्भ करने की तारीख की गणना के : *10 Days*
लिए स्वीकृति पत्र जारी होने की तारीख से दिनों
की संख्या
Number of days from the date of issue of
letter of acceptance for reckoning date of
start

लक्ष्य मील-पत्थर। सारणी: लक्ष्य नीचे दी गई सारणी अनुसार

Table of Milestones: --As per Table given below

Sl. No.	Description of Milestone (Physical)	Time Allowed in Days (from date of start)	Amount to be withheld in case of non-achievement of milestone (Percentage of bid amount)

कार्य निष्पादित करने के लिए अनुमत्य : *01 Month*
समय

Time allowed for execution of work

निर्णायक प्राधिकारी

Authority to Decide :

- i. Authority to convey the decision of shifting : *Assistant Engineer (E)
HESD, CPWD, Hisar or his successor
thereof*
of milestone and extension of time

- ii. Authority to decide rescheduling of milestone and extension of time : **Assistant Engineer (E)**
HESD, CPWD, Hisar or his successor thereof
- iii. Shifting of data of start in case of delay in handling over of site : **Assistant Engineer (E)**
HESD, CPWD, Hisar or his successor thereof

Clause 5

Clause applicable – (5 or 5A) : **Clause 5**

Proforma of Schedule Clause 5 Schedule of handing over of site			
Part	Portion of site	Description	Time Period for handing over reckoned from date of issue of letter of intent
Part A	Portion without any hindrance	All	As and when required
Part B	Portions with encumbrances	Nil	N.A.
Part C	Portions dependent on work of other agencies	Nil	N.A.

Clause 6

(Mode of measurement) : **(CMB)**

खण्ड-7**Clause 7**

अंतरिम भुगतान के लिए पात्र होने के लिए : **Rs. 2,00,000/-**

अंतिम ऐसे भुगतान के बाद कुल भुगतान एकत्रित सामग्रियों के अग्रिमों के समायोजन सहित किया जाने वाला कुल कार्य

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

खण्ड-7ए**Clause 7A (Modified)**

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

Whether Clause 7A shall be applicable.

: **Yes, Applicable**

खण्ड-8**Clause 8**

The competent authority to inspect and issue of completion certificate

Assistant Engineer (E)
HESD, CPWD, Hisar or his successor thereof

खण्ड-10(क)**Clause 10A**

कार्यस्थल प्रयोगशाला में ठेकेदार द्वारा उलब्ध : **Not Applicable**

कराये जाने परीक्षण उपकरण की सूची

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

खण्ड-10(ख)(ii)**Clause 10B(ii)**

क्या खण्ड 10(ख)(ii) लागू होगा।

Whether Clause 10 B(ii) shall be applicable:

: **Not Applicable**

खण्ड-10(ग)**Clause 10C**

श्रम घटक को कार्य के मूल्य के प्रतिशत के : **15%**

रूप में अभिव्यक्त किया गया है।

Component of labour expressed as percent of value of work

खण्ड.10 गग**Clause 10CC**

खण्ड 10गग उन संविदाओं पर लागू होगा : **Not Applicable**

जिसमें कार्य समापन की अवधि, अगले कालम में दर्शायी गई अवधि से अधिक अनुबंधित है।

Clause 10CC to be applicable in contracts with stipulated period of completion exceeding the period shown in the next column

मूल्य वृद्धि के लिए अन्य सामग्री, श्रम, पी.ओ.एल आदि के घटकों की अनुसूची।

Schedule of component of other Materials, Labour, POL etc. for price escalation.

निर्माण कार्य सामग्री के लिए सिविल घटक (खंड 10 ग के अन्तर्गत शामिल सामग्रियों को छोड़कर)/वैधुत कार्य में कुल मूल्य के प्रतिशत के रूप में प्रदर्शित

खण्ड- 11**Clause 11**

कार्य निष्पादन के लिए अनुपालन किए जाने वाले विनिर्देश : **CPWD General Specifications for Electrical Works:**

Specifications to be followed: (i) Part-I Internal - 2023

(ii) Part-II External – 2023

(iv) Part-IV Sub Station – 2013

(vii) Part VII D.G. Sets - 2013

खण्ड-12 Clause12	The completion cost shall in no case exceed 1.5 times the contract amount	
Authority to decide deviation of contract amount	Upto 1.25 times the contract amount	Executive Engineer (E), KED, CPWD Karnal or his successor
	Beyond 1.25 times upto 1.50 times of contract amount	Superintending Engineer, CPWD Karnal or his successor
Type of work		Maintenance work (No Limit)

The completion cost shall, in no case exceed 1.5 times the contract amount. Contractor will devise a system to keep a watch on quantum of work taken up vis-à-vis balance items required to complete defined scope of work and will give the alerts to Engineer-in-charge before taking up extra items(s), deviations(s) so that completion cost done not exceed above limit. Work executed beyond above limit with neither be recorded nor be paid. The Contractor will not have any claim(s) whatsoever on this amount.

खण्ड-16**Clause 16**

घटी हुई दरे निर्धारित करने की लिए सक्षम : **Superintending Engineer, KCC, Karnal**

प्राधिकारी

Competent Authority for Deciding Reduced Rates

खण्ड-18**Clause 18**

कार्यस्थल पर ठेकेदार द्वारा लगाये जाने वाली : **As per site requirement**

अनिवार्य मशीनरी, औजार एवं सयंत्रों की सूची:

List of mandatory machinery, tools & plants to be deployed by the contractor at site:

~~खण्ड-25~~

Clause 25

S.No.	Designations	
1	Conciliator	ADG(Chandigarh)
2	Arbitrator Appointing Authority	SE, KCC, Karnal
3	Place of Arbitration	Chandigarh

~~खण्ड-32~~

Clause 32(i)

Requirement of Technical Representative(s) and Recovery Rate

Cost of work (Rs. In Crores)	Requirement of Technical		Minimum experience (Years)	Designation Technical staff	Rate at which recovery shall be made from the contractor in the event of not fulfilling
	Qualification	Number (of Major + Minor component)			

NOTE: Assistant Engineer retired from Govt. services that are holding Diploma will be treated at par with Graduate Engineer.

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

~~खण्ड-38~~

Clause 38

- (i) ~~Schedule/Statement for determining theoretical quantity of cement and bitumen on the basis of Delhi schedule of Rate 2023 printed by C.P.W.D.~~ : **Applicable**
- (ii) ~~Variations permissible on theoretical quantities as per GCC 2023~~ : **Applicable**

ADDITIONAL TERMS & CONDITIONS OF CONTRACT

1.0 GENERAL

The work **ARMO of various E & M Services at SAI, NCOE, Rohtak (Haryana). (SH:- Replacement of Power contactor & Misc. electrical Installation)"** is to be carried out at **SAI NCoE, Rohtak**.

- 1.1 The work shall be executed as per relevant CPWD General Specifications for Electrical Works as amended upto date, relevant I.E. Rules, BIS/IEC and as per directions of Engineer-in-charge. These additional specifications/ conditions are to be read in conjunction with above and in case of variations; specifications given in these Additional conditions shall apply. However, nothing extra shall be paid on account of these additional specifications and conditions, as the same are to be read along with schedule of quantities for the work. In any case the presidency of the documents shall be as per the following sequence:-

BOQ $\Rightarrow$ List of Approved Makes $\Rightarrow$ Technical Specification $\Rightarrow$ CPWD General specifications
Various IS/ IEC Codes $\Rightarrow$

- 1.2 The tenderer should, in its own interest, visit the site and get familiarized with the site conditions before tendering.
- 1.3 No T & P shall be issued by the Department and nothing extra shall be paid on account of this.
- 1.4 **Type of Contract:** The work to be awarded by this tender shall be treated as indivisible works contract.

2.0 COMMERCIAL CONDITIONS

2.1 Submission and opening of tender

Earnest Money in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee (for balance amount as prescribed) from any of the Commercial Banks (drawn in favour of **Executive Engineer (E), KED, CPWD, Karnal**) shall be scanned and uploaded on the e-Tendering website within the period of bid submission. The original EMD should be deposited either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission. The EMD receiving Executive Engineer (including NIT issuing EE/AE) shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format (enclosed) uploaded by tender inviting EE in the NIT.

A part of earnest money is acceptable in the form of bank guarantee also. In such case, minimum 50% of earnest money or Rs. 20 lac, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee of any Commercial bank having validity for a period of 90 days for single bid works and 180 days for two bid system or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders.

The earnest money given by all the tenderers except the lowest tenderer shall be refunded immediately after the expiry of stipulated bid validity period or immediately after acceptance of the successful bidder, whichever is earlier. However, in case of two/ three bid system, earnest money deposit of bidders unsuccessful during technical bid evaluation etc. should be returned within 30 days of declaration of result of technical bid evaluation. Copy of Enlistment Order and other documents as specified in the notice inviting e- tender shall be scanned and uploaded on the e-Tendering website within the period of bid submission. However, certified copy of all the scanned and uploaded documents as specified in e- tender notice shall have to be submitted by the lowest bidder within a week physically in the office of tender opening authority. Online bid documents submitted by intending bidders shall be opened only of those bidders, whose original EMD deposited with any division of CPWD and other documents scanned and uploaded are found in order.

- 2.2 The tenderer will have to fill up their rates only in the Schedule of Work in the e-tendering put up on the website by the department. Tenders in whom the price bids are given in any other format are liable to be rejected. The abstract of cost will be required to be filled in.
- 2.3 In the tender bid, there shall be no conditions, whatsoever. In case any tenderer mentions any condition including conditional rebates in their price bid the tender shall be rejected forth with.

A tenderer will also not be allowed to withdraw or modify any condition and/ or rates after the opening of bids.

- 2.4 The department reserves the right to reject any or all the price bids and call for fresh prices/tenders as the case may be without assigning any reason.

3.0 TERMS OF PAYMENTS

The following percentage of contract rates for the various items included in the contract shall be payable against the stage of work shown herein.

- 70% of the contract value, of the sub work, on initial inspection and delivery of materials at site, in good condition, on pro-rata basis.

- 20% on completion of installation of the equipment's and accessories pro-rata basis.
- 10% on completion of testing, commissioning and handing over to the department.

3.1 **SECURITY DEPOSIT**

- The security deposit shall be collected by deductions from the running bills of the contractor at the rate mentioned below. The security deposit can also be accepted in cash or in the form of Government Securities, Fixed Deposit Receipts etc.
- A sum @ 2.5% of the gross amount of the bill shall be deducted from each running as well as final bill of the contractor. Such deductions shall be made unless the contractor has deposited the amount of security at the rate mentioned in cash or Government securities or Fixed Deposit Receipts. This is in addition to the performance guarantee that the contractor is required to deposit as per Clause no. 3.2.
- Security deposit can be released against Bank Guarantee issued by a scheduled bank in the specified format for the full value of the security deposit. The Bank Guarantee shall be kept valid till the expiry of the above guarantee/ maintenance period. The security deposit shall be released after successful completion of the twelve months from the date of completion/commissioning or handing over whichever is later.

3.2 **PERFORMANCE GUARANTEE**

The contractor whose bid is accepted will be required to furnish performance guarantee of 5% (Five Percent) of tendered value or Estimated Cost put to tender (ECPT) (Whichever is higher). 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 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 the Commercial Banks in accordance with the prescribed form pledged in favour of Executive Engineer (E), KED, CPWD, Karnal. 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 performance guarantee shall be initially valid up to the stipulated date of completion plus 90 days beyond. This performance guarantee shall be kept valid till the recording of completion certificate for the work by the competent authority.

- 3.3 Income tax, GST, Labour Cess & other statutory deductions etc. shall be made at source as per the prevalent laws of the Govt. Of India and the Govt. of Haryana. The deductions of Security Deposit, Income-Tax etc. shall be done after calculation of the due payments and net payment shall be reduced accordingly.

4 **RATES**

The rates quoted by the tenderer, shall be firm and inclusive of all taxes including, GST etc. and all charges for packing forwarding, insurance, freight and delivery, installation, testing, commissioning etc. at site including temporary construction of storage, risks, over head charges, general liabilities/obligations.

5 **COMPLETENESS OF TENDER**

The work is to be executed in the SAI NCOE, Rohtak where the entry is restricted. It shall therefore be mandatory for the contractor to get proper verification of the work force employed for the work. Proper identification documents shall be submitted, as desired, with the engineer-in-charge or its authorized representative.

6 **STORAGE AND CUSTODY OF MATERIALS**

At present no storage facility is available at site that may be used for storage of sundry materials and erection equipments. The contractor has to make its own arrangements. No separate storage accommodation shall be provided by the department. Watch and ward of the stores and their safe custody shall be the responsibility of the contractor till the final taking over of the installation by the department.

7 **CARE OF THE BUILDING AND OTHER STRUCTURES/ INSTALLATIONS**

Care shall be taken by the contractor while handling and installing the various equipments and components of the work to avoid damage to the building and its surrounding roads, pavements, horticulture work, boundary wall, sewer and water lines etc. 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 cost all unwanted and waste materials arising out of the installation from the site of work. All dismantled material received from site shall be returned to the Junior Engineer (E) at his stores at site.

8 SAFETY CODE & LABOUR REGULATIONS

In respect of all labour employed directly or indirectly on the work for the performance of contractor's part of the work, the contractor at his own cost will arrange for the safety provisions as per the statutory provision, BIS recommendations, CPWD code, general conditions of contract and instructions issued from time to time. In case of default the Engineer-in-Charge shall be at liberty to make arrangement and provide facilities as aforesaid and recover the cost from the contractor.

9 TOOLS, PLANT AND MACHINERY

The CPWD shall not provide any tools and plant & machinery. The contractor shall provide all tools, plant and machinery required for execution of work. The contractor shall include its cost in appropriate items of work.

10 COMPLETION PERIOD

The completion period indicated in the tender documents is for the entire work of planning, designing, approval of drawings etc., arrangement of materials & equipments, delivery at site including transportation, installation, testing, commissioning and handing over of the entire system to the satisfaction of the Engineer-in-charge.

11 GUARANTEE

The installation will be handed over to the department after necessary testing and commissioning. The equipments or components, or any part thereof, so found defective during guarantee period shall be forthwith rectified/ repaired or replaced free of cost, to the satisfaction of the Engineer-in-Charge. In case it is felt by the department that undue delay is being caused by the contractor in doing this, the same will be got done by the department at the risk and cost of the contractor. The decision of the Engineer-in-charge in this regard shall be final & binding on the contractor.

11.1 The tender shall guarantee among other things, the following:

- (a) Quality, strength and performance of the materials used as per manufacturers standards.
- (b) Safe mechanical and electrical stress on all parts under all specified conditions of operation.

12 POWER SUPPLY

Power supply for carrying out the E&M works shall be provided at one point near the site and further extension of power supply shall be in the scope of contractor.

13 ACCEPTABLE MAKES OF VARIOUS EQUIPMENTS

The acceptable makes of various equipments/components/accessories have been indicated in "List of Approved Makes". The tenderer shall work out the cost of the offer on this basis. Makes other than approved make list are not acceptable. All items for which the makes are not mentioned in the tender shall be got approved from the engineer incharge before procurement as otherwise the same will be rejected outright.

14 EXTENT OF WORK

- 14.1 The work shall be carried out as per relevant CPWD General Specifications for Electrical and Mechanical works amended up to date, I.E. rules in force and as per the directions of Engineer-in- Charge.
- 14.2 No T & P shall be issued by the department.
- 14.3 Free water and power supply shall be supplied to the contractor by department during installation, testing and commissioning period.
- 14.4 The rates quoted shall be inclusive of all Taxes and duties, nothing extra shall be paid on this Account.
- 14.5 All the materials to be used on the work shall be got approved from the Engineer-in-charge before use. The rejected materials should be removed from the site immediately failing which Engineer-in-charge will get it removed at the risk and cost of the contractor.
- 14.6 The watch and ward of the materials issued to the Contractor or installed at site shall be responsibility of the Contractor till the installations on completion are finally handed over to the Department.
- 14.7 Income Tax, GST and Labour Welfare cess will be deducted at prevailing rates from gross amount of contractor bills.
- 14.8 The contractor has to engage his labour as per site conditions. The department shall not entertain anything extra for the idle labour whatsoever.
- 14.9 The department shall not provide any store accommodation for the stores brought by the contractor or issued by the department.

- 14.10 Damage to the building during execution of work shall be made good by the contractor matching with the surrounding surface, otherwise the same shall be got done at the cost of working contractor.
- 14.11 Any damage to the existing fittings shall be replaced by the contractor at his own cost and risk, to the entire satisfaction of the Engineer-in- Charge.
- 14.12 The makes of material will be as per attached list of approved makes against each item of work or as per instructions of Engineer in charge.
- 14.13 Contractor shall be responsible for conduct of staff/workers deployed at site of work.
- 14.14 Bad workmanship in the opinion of Engineer-in-charge shall not be accepted and shall be rectified at contractor's cost to the entire satisfaction of Engineer-in-charge.
- 14.15 If any item is to be different than whatever mentioned in the schedule of work it should specifically be brought out to the notice of deptt while quoting for the tender.
- 14.16 The work is to be carried out in building having very strict regulations. The persons engaged on work must have good character antecedents. The contractor should familiarize himself with the process of obtaining entry passes/entry tokens.
- 14.17 No claim for wastage of labour due to non-issuance of entry token/entry passes shall be considered by the Department.
- 14.18 The contractor shall take all precautions for safety of the workman. If any accident/mishap occur, the department shall not be responsible for the same. Consequently any compensation payable shall be at the contractor's cost.
- 14.19 Any malba generated due to dismantling/execution shall be cleared from the site of work immediately without any extra cost failing which same shall be done by the department and suitable recovery shall be made from the bill of the bill of the contractor.
- 14.20 The scaffoldings/temporary ladders, working platform etc. shall be arranged by the firm.
- 14.21 All civil works involving false ceiling, drop ceiling, boxing for concealing supply, openings for fixture in wooden partitions, wooden frames for fixing the old fixture etc. shall be opened and closed, as per his requirement, by the contractor within the scope of the contract.
- 14.22 The contractor shall quote their rates after proper inspection of site before quoting the rate.
- 14.23 All the LED fittings shall be guaranteed for a period of 5 years.

15 INSPECTION AND TESTING

- 15.1 All major equipment shall be offered for initial inspection by the engineer-in-charge or officer authorized by him at manufacturer's works in India. The department may or may not inspect the material at its discretion. The contractor will intimate the date of testing of equipment at the manufacturer's works before dispatch. Contractor shall make all arrangements for inspection of material at works. The department reserves the right to get the equipment inspected by third party inspection also. Such inspection shall be of following categories:
 - (a) Inspection of materials/ equipment to be witnessed at the manufacturer's premises/ at its authorized works in India, in accordance with relevant BIS/ Agreement Inspection Procedure.
 - (b) To receive material at site with manufacturer's Routine & Type Test certificates.
 - (c) To inspect material at the authorized dealer's go-down to ensure delivery of genuine material at site.
 - (d) To receive material after physical inspection at site.
- 15.2 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:
 - (a) Material will be ordered and delivered at site only with the prior approval of the department. The contractor shall, however, be responsible for timely delivery of material.
 - (b) As and when the order is placed for the items, it shall be endorsed to the engineer-in-charge along with details of Agency, model no. and other delivery details.
 - (c) The firm will be required to procure material like all type of accessories etc. directly from the manufacturer's/ dealers authorized by the manufacturer's to ensure genuineness & quality. A sample of all items shall, however, be got approved from the engineer-in-charge, before placement of order.
 - (d) Inspection at factory or at go-down in India, as required, shall be arranged by the firm for a mutually agreed date.
 - (e) Delivery of material shall be taken up only with the consent of department, after clearance of the material. Material shall generally be transported under proper insurance to avert any consequent delay due to damage/ loss during transit. Department shall be at liberty to inspect all documents to taxes/ duties clearances, insurance etc. at its own discretion.
 - (f) Department, however, reserves the right to waive inspection in lieu of suitable test certificates, at its discretion.

16 DISPATCH OF MATERIAL

The contractor shall dispatch all the materials to the site in coordination with the execution of the civil work and in consultation with the Engineer-in-Charge so that the materials are not laying at site more than one month in advance of the stage where the materials are to be taken up for the installation.

17 COMPLIANCE WITH REGULATIONS AND INDIAN STANDARDS

- 17.1 All works shall be carried out in accordance with relevant regulation, both statutory and those specified by the Indian Standards related to the works covered by this specification. In particular, the equipment and installation will comply with the following:
- (i) Factories Act.
 - (ii) Indian Electricity Rules.
 - (iii) B.I.S. & other standards as applicable.
 - (iv) Workmen's compensation Act.
 - (v) Statutory norms prescribed by local bodies like CEA, Power Supply Co., etc.
- 18.2 Nothing in this specification shall be construed to relieve the successful tenderer of his responsibility for the design, manufacture and installation of the equipment with all accessories in accordance with currently applicable statutory regulations and safety codes.
- 18.3 Successful tenderer shall arrange for compliance with statutory provisions of safety regulations and departmental requirements of safety codes in respect of labour employed on the work by the tenderer. Failure to provide such safety requirement would make the tenderer liable for penalty of Rs 5000/- (Rs Five Thousand only) for each default. In addition, the department will be at liberty to make arrangement for the safety requirements at the cost of tenderer and recover the cost thereof from him.

18 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 contractor shall 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 and ancillary equipment under the supervision of the successful tenderer in so far as the latter is responsible. Though not mandatory under the terms of these documents, the successful tenderer is advised to take insurance including third party insurance for the men and material, as he may be necessary, to cover the risk in his own interest. No extra payment would be made to the successful tenderer on account of the above.

19 ERECTION TOOLS

No tools and tackles either for unloading or for shifting the equipment for erection purposes would be made available by the department. The successful tenderer shall make its own arrangement for all these facilities.

20 COOPERATION WITH OTHER AGENCIES

The successful contractor shall coordinate the work with other contractor(s)/ agencies engaged in the other construction/maintenance of building and it's installations, if any, and exchange freely all technical information so as to make the execution of this work/contract smooth. No remuneration should be claimed from the department for such technical cooperation. If any unreasonable hindrance is caused to other agencies and any completed portion of the work has to be dismantled and re-done for want of cooperation and coordination by the tenderer during the course of work, such expenditure incurred will be recovered from the successful tenderer if the restoration work to the original condition or specification of the dismantled portion of the work was not undertaken by the tenderer himself.

The work shall be carried out with least disturbance during shifting & shut down taken in consultation with the client department.

21 MOBILIZATION ADVANCE

Mobilization advance is not admissible as per the "General Conditions of Contract".

22 INSURANCE AND STORAGE

The contractor may get all consignments duly insured upto the destination from warehouse in its own interest and at his cost. The insurance covers may be valid till the equipment is handed over duly installed, tested and commissioned. All defective and deformed material shall be rejected outright.

23 VERIFICATION OF CORRECTNESS OF EQUIPMENT AT DESTINATION

The contractor shall have to produce all the relevant records to certify that the genuine equipments from the manufacturers has been supplied from origin of manufacturer.

24 TRAINING

The scope of works includes the on job technical awareness training of one persons of department at site. Nothing extra shall be payable on this account.

25 INTERPRETING SPECIFICATIONS

In interpreting the specifications, the following order of decreasing importance shall be followed in case of contradictions:

- (a) Schedule of quantities
- (b) Technical specifications
- (c) Drawing (If any)
- (d) Additional conditions of the contract
- (e) General conditions of the contract
- (f) Relevant BIS or other international code in case BIS code is not available

न्यूनतम रु. के गैर-न्यायिक स्टाम्प पेपर पर. 100
(अनुबंधों के निष्पादन के संबंध में बैंक द्वारा सीपीडब्ल्यूडी को दी गई गारंटी)

On non-judicial stamp paper of minimum Rs. 100

(Guarantee offered by Bank to CPWD in connection with the execution of contracts)
बयाना राशि जमा/प्रदर्शन गारंटी/सुरक्षा जमा/मोबिलाइजेशन अग्रिम के लिए बैंक गारंटी का फॉर्म
Form of Bank Guarantee for Earnest Money Deposit/ Performance Guarantee/Security
Deposit/Mobilization 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 irrevocable Bank Guarantee for Rs. (Rupees only) valid upto (date)*..... as Earnest Money Deposit from (name and address of contractor) (hereinafter called "the contractor") for compliance of his obligations in accordance with the terms and conditions of the said NIT.

OR

Whereas the Executive Engineer (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 upto (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. (Rupeesonly)
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.

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

8. This Bank Guarantee shall be valid up to unless extended on demand by the Government. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs. (Rupees only) and unless a claim in writing is lodged with us within the date of expiry or extended date of expiry of this guarantee, all our liabilities under this guarantee shall stand discharged.

Date

Witnesses:

1. Signature.....

Authorized signatory

Name and address

Name
Designation
Staff code no.

2. Signature

Bank seal

Name and address

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

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

LISTS OF APPROVED MAKES

S. No	Item		Approved Makes
1.	PVC INSULATED FRLS AL. CONDUCTOR CABLES 1.1 KV GRADE (ISI MARKED)	:	RR Kabel / KEI /Havells / Grandlay/Polycab
2.	DWC HDPE Pipe	:	Duraline/Pioneer/Gemini/Rex
3.	Cable Glands Double Compression with earthing links	:	Baliga lighting/ Comet/ Cosmos/ Dowells/ Lapp / Gripwell
4.	MCCB/MCB/Isolator	:	LEGRAND / SCHNEIDER / SIEMENS / / Lauritz Knudsen
5.	Power Contactor		LEGRAND / SCHNEIDER / SIEMENS / / Lauritz Knudsen
6.	Brass compression gland	:	Standard / Dowell"s / Jainson / Comet
7.	Cable Lugs & Thimbles	:	Dowell"s / Jainson / Comet
8.	MODULAR PLATE TYPE SWITCH / SOCKET/ GI BOXES / FAN REGULATOR/ /TELEPHONE / RJ- 45/RJ-11 MODULAR SOCKET/Call bell/ Blanking Plate	:	SCHNEIDER / LEGRAND / ABB / MK/ CABTREE/ INDOASIAN
9.	LED Fittings		Phillips/Regent lighting/ /LT/Crompton/Havells
10.	Ceiling Fans/Exhaust Fans/Fresh Air Fans		Havells / Crompton / Usha / Alstom/ Almonard
11.	Any other items	:	As approved by Engineer-in-Charge

Note:

- a. *Materials specified in the List of Acceptable Makes for Electrical Materials shall be got approved from Engineer-in-charge before use on work. Decision of Engineer-in -charge shall be final regarding selection of the makes.*
- b. *Materials not specified in the List of Acceptable Makes for Electrical Materials shall be got approved from Engineer-in-charge before use on work. Decision of Engineer-in -charge shall be final in this respect.*

Assistant Engineer (E)
Hisar Elect. Sub Division
CPWD Hisar-125001

SCHEDULE OF WORK

Name of Work:- ARMO of various E & M Services at SAI, NCEO, Rohtak (Haryana) during 2026 - 27. (SH: Replacement of Power Contactor & Misc electrical Installation)

S. No	Discription of Items	Qty.	Rate	Unit	Amount	Remarks
1	Dismantling and removal of the existing defective lower-rated power contactor and supplying, installing, testing and commissioning of 900 A, 4-pole heavy-duty power contactor, suitable for 415/440 V AC, 50 Hz system, having AC-1 rating of 900 A, with 4 NO main power contacts and 2 NO + 2 NC auxiliary contacts, complete with electromagnetic operating coil suitable for 230 V AC, 50 Hz control supply, conforming to IS/IEC 60947-4-1 including buyback for dismantled material etc as required.	1.00	214245.00	Each	214245.00	MR
2	Supplying & fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 25 A modular socket outlet and 25 A modular SP MCB, "C" curve including connections, painting etc. as required.	10.00	807.00	Each	8070.00	1.57
3	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	15.00	659.00	Each	9885.00	1.32
4	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, Ics=100% Icu and Operational Voltage 690V etc. as required.					
4.1	400 A,50KA,FPMCCB	1.00	44663.00	Each	44663.00	2.2.18
4.2	250 A,36KA,FPMCCB	3.00	18372.00	Each	55116.00	2.2.16
4.3	100 A, 16 KA,TPMCCB	4.00	4003.00	Each	16012.00	2.2.1
5	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 Meter long etc. with charcoal/ coke and salt as required.	4.00	8351.00	Each	33404.00	5.4
6	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required	30.00	755.00	Meter	22650.00	5.11
7	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required	40.00	287.00	Meter	11480.00	5.15
8	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
8.1	Single pole	45.00	285.00	Each	12825.00	2.10.1
8.2	Triple pole	20.00	1070.00	Each	21400.00	2.10.4

9	Supplying of ISI marked XLPE insulated and PVC sheathed armoured aluminium conductor power cable of 1.1 KV grade confirming to IS:7098 (Part-1) 1988 of following size etc as reqd.					
9.1	2 x 10 sq mm	90.00	237.00	Meter	21330.00	MR
10	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.					
10.1	Upto 35 sq. mm (clamped with 1mm thick saddle)	80.00	64.00	Mtr.	5120.00	10.7.1
11	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing masonry open duct as required.					
11.1	Upto 35 sq. mm	10.00	36.00	Mtr.	360.00	10.6.1
12	LED Flood Light, powder coated pressure die cast aluminium (System lumen efficacy $\geq 105 < 120$ lm/Watt).					
	Supplying, Installation, Testing & Commissioning of Flood Light, powder coated pressure die cast aluminium body with built in or separate driver as per the requirement with Driver efficiency $>85\%$, Input voltage: 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 $\geq 105 < 120$ 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).					
12.1	150 watt	10.00	3166.00	Each	31660.00	8.15.4
13	Supplying and fixing IP 65/66 SMC weather proof junction box of size 250mm x 200mm x 105mm deep on surface including supplying and fixing two strip Aluminium bus bar (50A) with insulator, 1 No 6 Amp SPMCB with dinbar in the junction box including connection, interconnection etc.as required.					
		10.00	2099.00	Each	20990.00	MR
14	LED Street light fixture, powder coated pressure die cast aluminium body (System lumen efficacy $\geq 105 < 120$ lm/Watt)					

	Supplying, installation, Testing & Commissioning of Street light LED fixture powder coated pressure die cast aluminium body with driver as per the requirement with Driver efficiency >85%, Input voltage: 140-270 Volt AC, frequency 50/60 hz, Operating temp range -5 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, 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).					
14.1	72 watt	15.00	1920.00	Each	28800.00	8.12.13
	Total				558010.00	

ASSISTANT ENGINEER(E)
HESD, CPWD, HISAR.