



IIT PALAKKAD

Indian Institute of Technology Palakkad भारतीय प्रौद्योगिकी संस्थान पालक्काड

Nurturing Minds For a Better World

NOTICE INVITING TENDER FOR

NIT No: 17/IITPK/EWD/ELE/2024-25/019

NAME OF WORK: SITC of EV CHARGING System at Sahyadri campus

Sl. No.	Events	Date and Time
1	Notice Inviting BID (NIT) No.	17/IITPKD/EWD/ELE/2024-25/019
2	Date of Publication	16-08-2024
3	Date of Pre-Bid Meeting	22-08-2024, 1030 hrs
4	Date / Time of closing	05-09-2024, 1500 hrs
5	Opening of Bids - Eligibility cum Technical Bid	05-09-2024, 1530 hrs
6	Opening of Cover 2 (Financial Bid)	Date of opening of Price Bid will be informed later through E- wizard Portal
7	Estimated Cost put to bid	Rs.32,65,000/-
8	Earnest Money Deposit (EMD)	Rs.65,300/-

Pre-bid Meeting : A Pre-bid meeting will be held through hybrid mode

Online Login Credential

Time: Aug 22, 2024 10:30 AM India

<https://zoom.us/j/95416856740?pwd=O2JHJwNAVWF2jLaqdFXZ9FOeUy45i1.1>

Meeting ID: 954 1685 6740

Passcode: 526573

Venue : EWD Conference Room, Sahyadri campus, IIT Palakkad on **22-08-2024 at 1030 hrs** to clear the doubts of intending bidders, if any.

All prospective bidders are requested to kindly submit their queries to ewd@iitpkd.ac.in latest by **20-08-2024, 1700 hrs**. During the Pre-bid meeting the answers/clarifications to the queries will be made available and also uploaded on Ewizard Portal. No queries will be entertained after the Pre-bid meeting. The Bidder's representative should carry an authorization letter from their company empowering them to participate in the Pre-bid meeting. Addendum/Corrigendum shall be uploaded by the Institute, if felt necessary by him, which shall form part of the bid document.

1. GENERAL

- 1.1. Indian Institute of Technology Palakkad (hereinafter called "IITPKD") invites online Tenders under Two-Bid System as per the specifications given in Annexure-I.
- 1.2. The tender documents may be downloaded from <https://mhrd.euniwizarde.in/>. Last date/time for submission of the bids in ONLINE mode is **05-09-2024, 1500 hrs.** The bids will be opened by the duly constituted Committee or The Chairman, Engineering Works Department, through online mode. The Eligibility cum technical bids will be opened and examined by a technical committee or Engineering Works Department, which will decide the suitability of the bid as per the specifications and requirements of IITPKD. Only those who qualify in the technical evaluation will be graduated to the opening of financial bids. In case of any holiday or unforeseen closure of the institute on the scheduled day of opening of the bids, the bids will be opened on the next working day at the same time, but the deadline for submission of bids remains the same as indicated above.
- 1.3. The bids shall be submitted online in MHRD Portal (<http://mhrd.euniwizarde.in/>)
- 1.4. The responsibility of submission of the bids on or before the last date shall rest with the tenderer.
- 1.5. Canvassing or offering of an advantage or any other inducement by any person with a view to influencing acceptance of a bid is an offense under Laws of India. Such action will result in the rejection of the bid, in addition to other punitive measures.
- 1.6. Each tenderer shall submit only one bid, either by himself or as a partner in a joint venture or as a member of a consortium. If a bidder or if any of the partners in a joint venture or any one of the members of the consortium participate in more than one bid, the bids (of both the individual and the partnership/consortium/joint venture) are liable to be rejected.
- 1.7. The bidder shall bear all costs associated with the preparation and submission of his bid and IITPKD shall in no case be responsible or liable for those costs, regardless of the conduct or outcome of the tender process.
- 1.8. The Tender Document is not transferable. The bidder shall make a copy of the tender document before submitting the same to the concerned office.
- 1.9. IITPKD will respond to any request for clarification or modification of the Tender Document that is received up to FIVE (05) days prior to the deadline for submission of bids prescribed by IITPKD. For this purpose, the prospective bidder(s) requiring clarification in the Tender Document shall notify IITPKD in writing at the address mentioned. Any such clarification, together with all details on which the clarification had been sought, will be published on the website.
- 1.10. Except for any such written clarification by the Institute, which is expressly stated to be an addendum to the tender document issued by the Chairman, EWD, IIT Palakkad, no written or oral communication, presentation or explanation by any other employee of any of the Sections/Departments of the Institute, shall be taken to bind or fetter the Institute.

2. Scope:-

- 2.1. Supply, Installation, Testing, Commissioning, Training & Handing over of Electric Vehicle Charging Station (EVCS) at IIT Palakkad Sahyadri Campus including two years warranty and subsequent five years Extended Warranty as per schedule of work, after handing over.
- 2.2. The work includes design, engineering, testing at manufacturer's works, procurement including transportation to site and storage, quality assurance, erection, performance testing, commissioning, software support/ updation, accessibility to mobile/ control center, Training & Handing over of EVCS having charger type/ connector specified hereunder.
- 2.3. All the required civil/electrical work for completing the system need to be arranged by the agency however, the required cables of electric supply and network will be arranged by the Institute upto the location of the charger. **The termination of the cable and the required panel for the same is in the scope of the agency.**

- 2.4. The operation of the station shall be unmanned.
- 2.5. Smart Payment facilities for the end user shall be provided in EVCS and the amount shall be transferred to the IIT Palakkad account specified.
- 2.6. The contractor shall make available a mobile application for advance remote/ online booking of charging slots by consumers, billing & payment; and shall share charging data with IIT Palakkad network system. Such online information should also include information regarding location, types and number of chargers installed/ available, service charges for EV charging etc.
- 2.7. EVSE/Chargers etc shall be type tested and ARAI test certificate shall be produced.
- 2.8. EVSE shall be interoperable and vendor neutral and type independent to meet the requirement of major EV and battery manufacturers and complying with relevant national standards and regulations.
- 2.9. The successful bidder has to submit the time schedule and programme for installation, testing and commissioning of EVSE, within fifteen (15) days from date of LoA.
- 2.10. All statutory clearance, wherever required shall be arranged and availed by the successful Bidder. The successful bidder should also get necessary required approvals from Statutory Institutions before commissioning of the Charging Infrastructure.
- 2.11. The detailed technical requirements and specification are given in Annexure I.
- 2.12. Preparation of drawings for Charging Station as per standard specifications which shall be required for execution of works shall be done by the bidder. The bidder shall get the approval of materials at the time of material inspections and also furnish before competent authority the documents required to obtain statutory clearance wherever necessary.
- 2.13. Training:
- 2.14. The bidder shall provide training to IIT Palakkad personnel before handing over. Also, the firm should provide manuals and training materials to the officials concerned. Moreover, the details and literature of various components of the EVSE's shall be handed over to IIT Palakkad.
- 2.15. The successful bidder shall provide warranty for TWO years from the date of handing over and subsequent extended warranty services as per schedule of work for a period of FIVE years. For the five years specified above, functional support of the charging station is mandatory.
- 2.16. Pre- despatch inspection & testing:- The IIT Palakkad reserves its right to inspect and approve the equipment before dispatch. All facilities should be rendered for the IIT Palakkad representative for inspecting the materials at Factory site. Factory inspection will be arranged, if necessary. All acceptance tests as prescribed in the relevant IS/ IEC, special/ type test mentioned in the bid document have to be conducted in presence of the IIT Palakkad representative. Advance information of not less than 20 days regarding readiness of equipment for inspection and the date of inspection and testing shall be given by letter/ e-mail to the Agreement authority immediately when it is ready for dispatch from the factory.
- 2.17. The IIT Palakkad representative shall be entitled at all reasonable times during manufacture, to inspect, examine and conduct tests on the equipment to be supplied under this contract. If the equipment offered is being manufactured elsewhere than in the contractor's premises, the contractor shall obtain permission for the IIT Palakkad representatives to inspect & examine the equipment under manufacture and also carry out tests efficiently on the items as if they were being manufactured in contractor's premises. Such inspection, examination and testing shall not release the contractor from the obligations under this contract.
- 2.18. The contractor shall give the IIT Palakkad representative 20 days notice in writing of the date and place where the item will be ready for testing.
- 2.19. The materials will be inspected and relevant tests if deemed necessary will be conducted upon receipt of the material at site
- 2.20. Inconsistency:- IIT Palakkad General Conditions of Contract and EoI dated

14.08.2019 which forms part of the bid documents and the special conditions mentioned herein are applicable for the contract. In case there is any contradiction or non conformity between the above, the special conditions mentioned herein will prevail.

- 2.21. Warranty and extended warranty:- The contractor shall offer a warranty for a period of 24 months from the date of handing over and extended warranty for further 60 months as per schedule of work. Any defective or damaged equipment/ material shall be replaced by the supplier free of all costs to the IIT Palakkad and to the full satisfaction of the IIT Palakkad during the warranty period. The responsibilities of warranty period remain the same for extended warranty period also, but on payment basis, which shall be released quarterly.

3. **EARNEST MONEY DEPOSIT (EMD)**

- 3.1. The bidder shall furnish EMD of **Rs.65,300/- (Rupees Sixty Five Thousand Three Hundred Only)** through an online payment gateway in the E-Wizard.
- 3.2. Bids not uploaded by EMD shall be DISQUALIFIED
- 3.3. EMD of the successful bidder shall be returned on receipt of the prescribed Performance Security and after signing of the contract agreement.
- 3.4. EMD of the unsuccessful bidders will be returned to them at the earliest after expiry of the final bid validity and latest by the 30th day after the award of the contract.
- 3.5. EMD shall be forfeited
- 3.5.1. if the bidder withdraws his bid during the period of validity of the tender.
- 3.5.2. if the successful bidder refuses or neglects to execute the contract or fails to furnish the required Performance Security within the time frame specified by the Institute.
- 3.5.3. if the successful bidder fails to execute the Contract on specified timeline
- 3.6. The firms who are registered with National Small Industries Corporation (NSIC) / or Small Scale Industrial (SSI)/ Micro & Small Enterprises (MSMEs) are exempted from furnishing the EMD. Self attested photocopy of valid registration certificate issued by competent authority for **“Electrical/ Electronic/ EV Charging equipment”** to be uploaded with the technical bid for exemption of EMD.

1. **ADDENDUM IN THE TENDER DOCUMENT**

- 2.1. At any time prior to the deadline for submission of bids, IITPKD may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the Tender Document by way of addendum(s).
- 2.2. Addendum will be intimated through the MHRD portal and the bidders shall ensure that the addendums are carried out in the bid before submission. Bidders should regularly visit the MHRD portal to keep themselves updated.
- 2.3. No extension in the bid due date/ time shall be considered on account of delay in submission of bid.

2.4. **COMPOSITION OF THE TENDER DOCUMENT**

The Tender Document comprises of:

- (a) Instruction to the bidders including terms and conditions
- (b) Schedule of Quantity (Annexure-I)
- (c) Techno-Commercial Parameters (Annexure-II)
- (d) Compliance Statement (Annexure-III)
- (e) Format of Performance Security (Annexure-IV)
- (f) Declaration (Annexure-V)
- (g) Fall clause notice certificate (Annexure-VI)
- (h) Format for Self Declaration (Annexure - VII)
- (i) Declaration for Not debarred / Blacklisted (Annexure IX)

- 2.5. The bidder is expected to examine all instructions, forms, terms and conditions in the bid Document. In the event of discovery of any missing pages, the bidder shall inform the same to the Section/ Department concerned. Failure to furnish the information required by the Tender Document or submission of a tender not substantially responsive to the bid Document in every respect will be at the bidder's risk and may result in

rejection of the bid.

2.6. The bidder shall not make or cause to be made any alteration, erasure or obliteration to the text of the Tender Document.

3. LANGUAGE/FORMAT/SIGNING OF THE BID

3.1. The bid prepared by the Bidder and all correspondence and documents related to the tender exchanged by the Bidder and IITPKD shall be in English and the Contract shall be construed and interpreted in accordance with that language. If any of the brochures, leaflets or communication is prepared in any language other than English, a translation of such document, correspondence or communication shall also be provided at the cost and risk of the bidder. The translation so provided shall prevail in matters of interpretation. The bidder, with respect to such documents, correspondence and communications, shall bear the costs and risks of such translation.

3.2. The documents comprising the bid shall be typed or written in indelible ink and all the pages shall be signed by the bidder or a person or persons authorized by the bidder. All the pages of the bid shall be numbered and except for unamendable printed, shall be signed by the person or persons authorized.

3.3. The bid shall not contain any internalizations, erasures, overwriting, except to correct errors made by the bidder, in which case the person or persons signing the bid shall initial such corrections with date.

4. DOCUMENTS COMPRISING THE BID

- i. The Bids shall be submitted online through MHRD portal (<https://mhrd.euniwizarde.in/>)
- ii. Bids submitted in any mode other than ONLINE will be rejected outright.
- iii. The bidder must have a registered office in Karnataka/Tamil Nadu/Telangana/Andhra Pradesh or Kerala. Certificate of registration for the offices to be provided.
- iv. Scanned copy of ARAI certificate of the equipment offered.
- v. The Agency must have a valid electrical license for carrying out the work. Copy of the same must be uploaded along with the tender documents.
- vi. Documents establishing conformity of the terms and conditions of the Tender Document shall be provided along with the bid. The offer/bids should be sent only for a system or item that is available in the market and supplied to a number of customers. Bids for a prototype machine will not be accepted.
- vii. Compliance or Confirmation report with reference to the specifications and other terms and conditions should also be obtained from the principal.
- viii. Information related to the agency/bidder such as photocopies of the Registration/PAN/GST/TIN shall be furnished.
- ix. The technical bid should consist of all technical details along with commercial terms and conditions.
- x. No prices should be included in the technical bid. Financial Bid should indicate item-wise prices for the items mentioned in the technical bid.
- xi. Bidders, who are bidding for this NIT shall, Digitally signed tender documents should be uploaded in Cover One.

5. BID PRICES

- i. Prices must be quoted separately for each item identified.
- ii. Price quoted for the item must include all costs associated with packing, transportation, insurance, delivery of material, loading and unloading on DOOR DELIVERY basis to the institute including its supply, installation testing and commissioning.
- iii. Rate shall be inclusive of GST and shall not be added separately.
- iv. Prices quoted by the bidder shall be fixed during the validity of the bid.

6. BID CURRENCY

6.1. Prices of the items shall be quoted in Indian Rupees.

6.2 CONFORMITY OF THE TENDER DOCUMENT

- i. The bid document consisting of specifications, the schedule of quantities of various items to be executed and the terms and conditions of the contract and other necessary documents except Standard General Conditions of Contract can be seen in the tender document

- ii. The documentary evidence of conformity of the item to the Tender Document may be in the form of written descriptions supported by literature/diagrams/certifications, including:
- iii. A detailed description of the essential technical, functional and performance characteristics of the material that the Bidder is proposing to construct;
- iv. Technical details of the major sub items /subsystems/components of the item;

7. PERIOD OF VALIDITY OF BIDS

Bids shall remain valid for a period of 180 days after the date of deadline for submission of bids prescribed by the Institute.

8. MODIFICATION AND WITHDRAWAL OF BIDS

- i. The Bidder may modify or withdraw the bid after submission only through ONLINE mode,
- ii. within the period of deadline for submission of bids.
- iii. No bids can be modified subsequent to the deadline for submission of Bids.
- iv. No bids can be withdrawn in the interval between the bid submission deadline and the expiration of the bid validity period.

9. OPENING AND EXAMINATION OF BIDS

- i. The bids will be opened on the prescribed date and time as mentioned in the Bid document in ONLINE mode.
- ii. The Institute will evaluate the bids. Those bids, whose qualification in the prequalification criteria will be considered for evaluation of financial bids. Those bids which are found to be either non-responsive, not satisfying the requirements or both will not be considered for opening their financial bids and will be rejected.
- iii. The Institute will examine the bids to determine whether they are complete, whether any computational errors have been made, whether required security has been furnished, whether the documents have been properly signed and whether the bids are generally in order.
- iv. Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price, which is obtained by multiplying the unit price and quantity, or between subtotals and the total price, the unit or subtotal price shall prevail and the total price shall be corrected. If there is a discrepancy between words and figures, the amount in words shall prevail.
- v. The Institute may waive any minor non-conformity or irregularity in a bid that does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any Bidder.
- vi. Prior to the detailed evaluation, the Institute will determine whether each bid is complete and is substantially responsive to the Tender Document. For purposes of this determination, a substantially responsive bid is one that conforms to all the terms, conditions and specifications of the Tender Document without material deviations, exceptions, objections, conditionality or reservations. A material deviation, exception, objection, conditionality, or reservation is:
 - a. One that limits in any substantial way the scope, quality, or performance of the item; OR
 - b. One that limits, in any substantial way that is inconsistent with the Tender Document, the Institute rights or the successful Bidder's obligations under the Contract;
 - c. One that the acceptance of which would unfairly affect the competitive position of other Bidders who have submitted substantially responsive bids.
- vii. If a bid is not substantially responsive, it shall be rejected by the Institute and may not subsequently be made responsive by the Bidder by correction of the non-conformity.
- viii. The Institute determination of bid responsiveness will be based on the contents of the bid itself and any written clarifications submitted by the Bidder.

10. CLARIFICATION OF BIDS

During the bid evaluation, the Institute may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be through ONLINE mode ONLY and no change in the price or substance of the bid shall be sought, offered or permitted.

11. EVALUATION OF RESPONSIVE BIDS

The Institute will evaluate the bids that have been determined to be substantially responsive.

12. CONTACTING THE PURCHASER

From the time of bid opening to the time of Contract award, if any Bidder wishes to contact the Institute on any matter related to the bid, it shall do so in writing.

If a Bidder tries to directly influence the officials or otherwise interfere in the bid evaluation process and the Contract award decision, his bid shall be rejected.

13. AWARD CRITERIA

The Institute will award the Contract to the Bidder, whose bid has been determined to be substantially responsive for technical bid and evaluated as the lowest quote. The Institute reserves the right to buy different items/quantities from different bidders considering price of individual/group of item or any other factors as decided by the Committee.

14. INSTITUTE RIGHT TO ACCEPT/REJECT BIDS

The Institute reserves the right to accept or reject any bid or to annul the bidding process and reject all bids at any time prior to Contract award, without thereby incurring any liability to the Bidders. The Institute reserves the right to negotiate with the Bidder, whose bid has been evaluated as the lowest quote.

15. AWARD OF WORK/PURCHASE ORDER

Prior to the expiration of the period of bid validity, the institute will issue the Letter of Intent Work/Purchase Order to the successful Bidder in writing. The Work/Purchase Order will constitute the foundation of the Contract.

16. CONTRACT AGREEMENT

Within fifteen (15) days of receipt of the work Order, the successful Bidder shall sign and date its copy on each page and return it to the Chairman EWD, along with the Performance Security. Copy of Purchase Order duly signed and dated by the successful Bidder on each page shall constitute the Contract Agreement.

17. PERFORMANCE SECURITY

Within 10 (TEN) DAYS of receipt of notification of award from the Chairman EWD, the successful Bidder shall furnish the performance security equal to 5% of the Contract value. The Performance Security shall be valid all along the contract period and shall extend up to sixty (60) days after the date of completion of work accepted by the Engineer in Charge. The performance security shall be a bank guarantee (in the format as provided in (in the format as provided in Annexure- IV of the bidding documents) issued by any Scheduled Bank in India acceptable to the Purchaser or a Demand Draft favoring, INDIAN INSTITUTE OF TECHNOLOGY PALAKKAD payable at PALAKKAD. The performance security shall be returned to the contractor not later than fifteen (15) days after its expiration.

17.1 SECURITY DEPOSIT : 2.5% of tendered value. The contractor whose tender is accepted will also be required to furnish by way of Security Deposit for the fulfillment of his contract, an amount equal to 2.5% of the tendered value of the work. The Security deposit at the rate of 2.5% of the Gross amount of each running bill and final bill till this some deducted will amount to Security deposit of the tendered amount of work. Such deductions will be made at the rates mentioned above in the form of Fixed Deposit Receipt/ E- Bank Guarantee of Bank. In case a fixed deposit receipt of any Bank is furnished by the contractor to the Institute as part of the security deposit and the Bank is unable to make payment against the said fixed deposit receipt, the loss caused thereby shall fall on the contractor and the contractor shall forthwith on demand furnish additional security to the Government to make good the deficit

18. CONTRACT DOCUMENTS

All documents forming part of the Contract (and all parts of these documents) are intended to be correlative, complementary and mutually explanatory. The Contract shall be read as a whole. The order of precedence of the Contract documents shall be as follows: Contract Agreement

- a. All other Forms
- b. Tender Document

19. AMENDMENT TO CONTRACT

No amendment or other variation of the Contract shall be effective unless it is in writing, is dated, expressly refers to the Contract and is signed by a duly authorized representative of each party to the Contract.

20 . SUPPLIER'S/CONTRACTORS RESPONSIBILITIES

The Supplier's obligations involve:

Supply of items given in the Tender Document.

- **Agency has to arrange an online inspection of the EV Charger. The date of inspection of the EV Charger shall be informed well in advance.**
- Making operational, the item (installation, commissioning, testing and validation of the material).
- The Contractor/Supplier shall, unless specifically excluded in the Contract, perform all such work and/or supply all such items, services and materials not specifically mentioned in the Contract but that can be reasonably inferred from the Contract as being required for installation, commissioning, integration and validation of item as if such work and/or items and materials were expressly mentioned in the Contract.
- The Contractor/Supplier shall comply with all laws in force in India. The laws will include all national, provincial, municipal or other laws that affect the performance of the Contract and are binding upon the Supplier. The Supplier shall indemnify and hold harmless, the Purchaser from and against any and all liabilities, damages, claims, fines, penalties and expenses of whatever nature, arising or resulting from the violation of such laws by the Supplier.

21. TIME FOR EXECUTION OF THE WORK

The agency shall complete the work within the period specified in the tender document i.e. within **3 MONTHS** from the date of issue work order of signing the work order or within the period mutually agreed between Institute and supplier.

In the event of failure of supply of the item within the stipulated delivery schedule, the Institute has all the right to purchase the item from other sources on the total risk of the Supplier under the risk purchase clause.

22. TERMS OF PAYMENT

No Advance payment will be made for purchase. Each RA (running account) bill will be allowed provided the value of work is more than 25% of value of work. Final payment will be released after satisfactory delivery, acceptance, installation, commissioning, integration and validation of the item and against the installation report/work completion certification by the concerned engineer in charge/Chairman EWD.

23. TAXES AND DUTIES

The Contractor/Supplier should ensure payment of all taxes, GST duties, levies and charges assessed by all municipal, state or national government authorities, in connection with the Goods and Services supplied under the Contract. Nothing extra shall be paid on any account. Rates quoted shall be inclusive of taxes and duties.

24. PENALTIES

If the Supplier fails to complete any of the activities in accordance with the time specified for it, or any extension of the time granted by the Institute.

The Institute reserves the right to terminate the contract if the Supplier defaults on any of the time limits by more than 45 days.

25. DEFECT LIABILITY

The Contractor/Supplier warrants that the item, including all subassemblies and components provided, shall be free from defects in the design, engineering/manufacturing, workmanship and performance that prevent the item and/or any of its subassemblies and components from fulfilling the requirements or that limit in a material fashion the operation, reliability, accuracy, sensitivity and precision of the item, its subassemblies and components. Commercial warranty provisions of products supplied under the Contract shall apply to the extent that they do not conflict with the provisions of this Contract.

The warranty period of **24 MONTHS for Sub Head 01** shall commence from the date of

handing over/validation/installation of the equipment and hardware and shall extend for the length of time specified in the tender document supra.

If during the warranty period/extended warranty period any defect found in the equipment, the Supplier shall promptly, at its sole cost, repair or otherwise make good such defect as well as any damage to the equipment/hardware caused by such defect. Any defective equipment, subassembly or component that has been replaced by the Supplier shall become the property of the Supplier and the new substituted/replaced material in good condition shall become the property of the Institute.

Any defects are such major repair carried out in the material during the warranty period should suitably be replaced with the desired satisfaction of the institute

If the contractor did not address the defects within the time frame or without proper response in communication, then the Institute has its rights to repair the same and recover repairing expenses from the retention.

26. WARRANTY AND INDEMNITY

Warranty shall be for 24 MONTHS for Sub Head 01 and extended warranty as per schedule of work. The agency hereby shall indemnify and hold harmless the Institute from and against any and/or losses, liabilities and costs (including losses, liabilities and cost incurred in defending a claim alleging such a liability), the Institute may suffer because of any infringement or alleged infringement of any Intellectual Property Rights.

The offer should clearly specify the warranty or guarantee period for the items. Any extended warranty offers from the same shall be mentioned separately.

27.EFFECT OF FORCE MAJEURE

If the agency is prevented, hindered, or delayed from or in performing any of its obligations under the Contract by an event of Force Majeure, then it shall notify the Institute in writing of the occurrence of such event and the circumstances of the event of Force Majeure within fifteen (15) days after the occurrence of such event. The Contractor/Supplier, when affected by the event of Force Majeure shall use reasonable efforts to mitigate the effect of the event of Force Majeure upon its performance of the Contract and to fulfill its obligations under the Contract, but without prejudice to Institute right to terminate the Contract.

No delay or non-performance by the Supplier caused by the occurrence of any event of Force Majeure shall:

Constitute a default or breach of the Contract.

Give rise to any claim for damages or additional cost or expense occasioned by the delay or non- performance.

If the performance of the Contract is substantially prevented, hindered, or delayed for a single period of more than THIRTY days or an aggregate period of more than SIXTY days on account of one or more events of Force Majeure, the institute shall have the right to terminate the Contract by giving a notice to the Supplier.

28. EXTENSION OF TIME LIMITS FOR SUPPLY AND MAKING OPERATIONAL, THE ITEM

The time limit for supply, installation & commissioning, integration & validation shall be extended if the supply is delayed or impeded in the performance of any of its obligations under the Contract by reason of any of the following:

Any occurrence of Force Majeure.

Any other matter specifically mentioned in the Contract.

By such period as shall be fair and reasonable in all the circumstances and as shall fairly reflect the delay or impediment sustained by the Supplier.

29. ASSIGNMENT

The agency shall not assign to any third party of the awarded Contract or any part thereof without the prior written consent of the Institute

30.GOVERNING LAW

The Contract shall be governed by and interpreted in accordance with the laws of India.

31. SETTLEMENT OF DISPUTES

Any dispute or claim arising out of/relating to this Contract or the breach, termination or the invalidity thereof, shall be settled by the Hon'ble Courts of Justice at Palakkad.

The page number should be marked in all pages serially (including all supporting documents enclosed with the tender document) and the declaration for the same shall be submitted by the bidder as in Annexure-VII.

IITPKD reserves the right to accept or reject any or all the tenders in part or whole or may cancel the tender at its sole discretion without assigning any reason whatsoever. No further correspondence in this regard will be entertained.

ANNEXURE – I

SCHEDULE OF QUANTITY

Sl.no.	Description	Quantity	Unit
SH:I	SITC of equipments		
1	Supply, installation, testing and commissioning of 60kW DC charger with 2 nos. CCS-2 gun (30kW+30kW) with all accessories including comprehensive maintenance during 2 years liability period after commissioning of the system etc. as required.	1	each
2	Supply, installation, testing and commissioning of 22kW AC charger with 1 no. CCS-2 gun with all accessories including comprehensive maintenance during 2 years liability period after commissioning of the system etc. as required.	2	each
3	Integrating the payment system with RFID card including 100 RFID cards, mobile application, login password etc. with the Institute network for crediting the electrical consumption charges directly to the Institute's account including comprehensive maintenance during 2 years liability period after commissioning of the system etc. as required.	1	job
SH:II	Comprehensive maintenance		
4.1	Comprehensive maintenance of the entire system including software application etc. required after a free maintenance period of 2 years after installation.		
	1st year	1	year
	2nd year	1	year
	3rd year	1	year
	4th year	1	year
	5th year	1	year

LIST OF PREFERRED MAKES

Sl.No	Item Description	List of Preferred Brands/Make/Model No
	EV Charging Equipment	Delta/Schneider/Panasonic/Anchor/ABB

ANNEXURE-I

TECHNICAL SPECIFICATION FOR ITEM

DESIGN, SUPPLY, ERECTION, TESTING AND COMMISSIONING OF
ELECTRIC VEHICLE CHARGING INFRASTRUCTURE.

TECHNICAL REQUIREMENTS

Technical data (IEC)	
DC Charger	CCS Type2
Configuration with cable	Yes
Cable lengths (m)	5
AC nominal input	
Voltage V	415 ± 10%
Frequency Hz	50
DC output	
Number of output	2
Rated power kW	60 (30+30)
Voltage (range) V	200-1000
Current of connected cables (max.) A	>=125
Efficiency factor η (at load 100%) %	>=94
Power factor cos phi	>=0.98
Short-circuit current rating kA	10
THDi %	<5
Ripple factor	<= +5%
Environmental conditions	
Operating environment	Indoor and outdoor
Ambient Temperature	0-60 deg
Operating temperature ° C	-10 to 55 deg
Noise Level	<= 60 db
Relative humidity %	5 - 95
General specifications	
Local user interface (TFT LCD with Touch Control)	>=7'
Language	English
User authentication and payment	Mobile application / user interface QR codes / RFID cards / password login
RFID specification	RC 522 RFID Reader ISO/ IEC 14443A/ MIFARE
Network connection	Ethernet interface; 3G and 4G
Protection	

Protection	Over Voltage, Over Current, Under Voltage, Short Circuit, Surge Protection, Over Temperature, Ground Fault, Polarity reverse protection, Insulation Monitoring, Leakage Protection, Charge Cable temperature detection, Earth Presence detection
Key/Switch	Mushroom Headed Red Color Emergency Stop button
Norms and standards	
Charging standards	IEC 61851-1/23/24, ISO 15118 (DIN 70121)2)
Communication protocol	OCPP 1.6J, Modbus TCP
Mechanical specifications	
Enclosure protection	IP54
Housing material	CRCA
Coating	Powder Coating
Cooling	Air Cooling
Color	Main housing: RAL 7035; roof and base: RAL 9005
Approx. overall dimensions1)	W x D x H mm 650 x 390 x 2050
Approx. foundation dimensions1)	W x D mm 650 x 390
Approx. weight acc. to configuration kg	260

Technical data (IEC)	
AC Charger	Type2 AC
Configuration with cable	
Cable lengths (m)	≥ 3.5
AC nominal input	
Voltage V	$415 \pm 5\%$
Frequency Hz	50
AC output	
Number of output	1
Rated power kW	22
Voltage (range) V	415V
Current of connected cables (max.) A	32A
Efficiency factor η (at load 100%) %	
Power factor $\cos \phi$	
Short-circuit current rating kA	
THDi %	
Ripple factor	

Environmental conditions	
Operating environment	
Ambient Temperature	0-55 deg
Operating temperature ° C	-20 to 60 deg
Noise Level	
Relative humidity %	5 - 95
General specifications	
Local user interface	4.3" Graphic display
Language	English
User authentication and payment	Mobile application / user interface QR codes / RFID cards / password login
RFID specification	RC 522 RFID Reader ISO/ IEC 14443A/ MIFARE
Network connection	Ethernet interface; 3G and 4G
Protection	
Protection	Over Voltage, Over Current, Under Voltage, Short Circuit, Surge Protection, Over Temperature, Ground Fault, Insulation Monitoring, Leakage Protection, Charge Cable temperature detection, Earth Presence detection
Key/Switch	Mushroom Headed Red Color Emergency Stop button
Norms and standards	
Charging standards	IEC 62196-2, IEC 17017
Communication protocol	OCPP 1.6J, Modbus TCP
Mechanical specifications	
Enclosure protection	IP54
Housing material	CRCA
Coating	Powder Coating
Cooling	Air Cooling
Color	
Approx. overall dimensions1)	
Approx. foundation dimensions1)	
Approx. weight acc. to configuration kg	

3.1.11 Type testing

Sr. No	Criteria Part 1	Parameter	Clause No. of AIS 138
1	Safety functions Verification	Earth Presence Detection (Socket - EVSE)	19.4.1.1
		Earth Continuity Check (EVSE-EV)	19.4.1.2
		Over Current and Short-Circuit Protection	19.4.1.5
		Leakage Current (RCD)	19.4.1.6
		Dielectric withstand voltage	11.19.1
2	Mechanical Stability	Mechanical impact	11.11.2.2
		IP TESTING	11.11.2.4
3	Climatic environmental tests	Ambient air temperature	11.11.1.2
		Ambient humidity	11.11.1.4

4	EMC Verification	Immunity to electrostatic Discharges	11.11.3.2
		Supply voltage dips and interruptions.	11.11.3.2
		Fast transient bursts	11.11.3.2
		Voltage surges	11.11.3.2

4. Type Test of EVSE

The EVSEs shall conform to the Bharath Standards, IEC/IS standards and be type tested at any of the ARAI certified, International laboratories respectively for various safety, electrical & mechanical requirements as per the standards.

SINo	Criteria	Parameter
1	Safety Functions	Earth Presence Detection (Socket – EVSE)
		Earth Continuity Check (EVSE-EV)
		Over Current and Short Circuit Protection
		Leakage Current
		Dielectric withstand voltage
2	Mechanical Stability	Mechanical Impact (IEC 62262)
2	Mechanical Stability	IP testing (IEC60529)

3	Climatic Environmental	Ambient air temperature (IEC 60068-2-14)
3	Climatic Environmental	Ambient air humidity (IEC 60068-2-30)
3	Climatic Environmental	Temperature Rise Test (IEC TS 61439-7)
4	EMC Verification	Immunity to electrostatic discharges (IEC 61000-
4	EMC Verification	Supply voltage dips and interruptions (IEC61000-
4	EMC Verification	Fast transient bursts (IEC 61000-4-4)
4	EMC Verification	Voltage surges (IEC 61000-4-5)
4	EMC Verification	Radiated Electro Magnetic disturbances Electrical field (30MHz – 1000 MHz) (IEC 61000- 4-3)

5 Smart Meters

The EV Charging Stations shall be provided with Smart Energy Meters for measurement of Electrical Energy Consumption.

The 3 Phase, 4 Wire LT CT Operated Smart Energy Meter shall comply with the applicable IS16444:2017 (part 2) and IS15959:2017 (part 3) standards. The general meter specifications shall comply with the IS14697:1999 Class 0.5S accuracy and shall be tamper proof complying with IP65 rating. The type test certificates shall be submitted along with the GTP for approval. The same shall be verified by IIT Palakkad during the pre-dispatch inspection and the testing shall be arranged by the bidder at meter manufacturer facility/ NABL accredited laboratories

6 Certification

The EV Chargers must be ARAI certified.

7 Documentation along with the supply of EVSE

The successful bidder shall provide the following documents (both hard and soft copy) to IIT Palakkad for reference:

- a. Manual / Guide: User manuals, FAQ, OEM Functional Manuals and Installation Guides, Business process & guides and Troubleshooting guides.
- b. Firmware
- c. Certificates: Equipment warranty, inspection & tests as per IS/iEC codes

Sl. No.	Parameter	Specification
1	Technical Information required along with Offer	a) Dimensional Drawing of Panels along with minimum clearance to be maintained for effective cooling, and Weight b) Technical Catalogue of DC Charger System being offered c) Reference list for similar rating DC Chargers giving the following: Model number, Application, Rating, Year of supply and commissioning.

2	Information / Confirmations required along with offer	<p>a) After Sales Service and Support shall be given by the Vendor for a minimum period of 15 (fifteen) years after commissioning. Address of the Sales and Service Representatives in India with complete Contact details: Name/Telephone/Email are to be provided during detailed Engineering.</p> <p>b) Vendor shall give a notice of at least 1 year to the end user of the equipment and IIT Palakkad before phasing out the product / spares to enable the end user for placement of order for spares and services.</p>
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Other than the certificates, the above mentioned documents shall be provided in word format to provide flexibility of customization if required.

8 Installation & Commissioning

Commissioning of Charger System at Customer place shall be in the scope of the Bidder.

Final Acceptance shall be based on successful completion of the same. Any replacement of failed/damaged items during commissioning shall be exclusively at Bidder's cost. Bidder is advised to stock necessary spares and ensure easy availability to facilitate trouble free commissioning.

9 Functional Guarantees

The EVSE set up by the successful bidder shall be under trial inspection/ testing for a period of 15 days during which the EVSEs shall not be turned off manually or from the CMS. (Condition arising due to failure of power supply from the mains, work which is not carried out by the successful bidder is exclusion). Certain parameters / conditions are monitored to assure the functional guarantee of the EV Charging Stations. The parameters monitored are:

1. Visual indication of Errors, Input power supply condition, Charge process indication etc. at specified intervals.

2. Proper display of the events such as

- o Vehicle plugged in / out.
- o Duration since start of charge, time to charge, kWh etc.
- o Authorization status
- o Status of Charge (SOC) to be matched with the SOC displayed in the vehicle.
- o Fault Conditions.
- o Functioning of the Emergency Stop Switch.
- o User Authentication
- o Metering information: Energy Audit

3. Failure of power supply: Battery backup for minimum 1 hour for the control system and billing unit.

Data logs should be synchronized with CMS during back up time, in case battery drains out.

4. Cooling System in case of forced air cooling.

5. Performance requirements:

- Converter Efficiency > 92% at nominal output power
- Power factor > 0.9 @ full load.

10 Handing Over

After the commissioning the Contractor shall hand over the complete system to IIT Palakkad after imparting proper training to the designated personnel. Any component found defective/ inefficient/ worn out shall be rectified/ replaced/ made good at contractor's cost before handing over the system to the IIT Palakkad. In order to ensure longevity & safety of the core equipment and optimum performance of the system the Contractor should use only genuine spares of high quality standards.

11 Warranty:

1. The Contractor warrants that the Goods supplied under this Contract are new, unused, of the most recent or current models and that they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Contractor further warrants that all Goods supplied under this Contract shall have no defect arising from design, materials or workmanship (except when the design and/or material is required by the Employer's Specifications) or from any act or omission of the Contractor, that may develop under normal use of the supplied Goods in the conditions prevailing in the country of final destination.

2. This warranty of all the Works shall remain valid for 2 year after handing over. During the warranty period of 24 months from the date of handing over, the Contractor shall repair/ replace free of cost, any defect noticed in the works and/or any damage or defects or functional failure noticed in any accessory transported or installed by the Contractor which fails or proves unsatisfactory under normal operations due to his faulty material handling or workmanship. In addition, any defect or failure developed after commissioning shall also be rectified/ necessary component or equipment replaced free of cost during the warranty period. The Contractor shall, in addition, comply with the performance and/or guarantees specified under the Contract.

3. Upon receipt of notice from the custodian, the Contractor shall, within the period of 02 days and with all reasonable speed, repair or replace the defective Goods or parts thereof, free of cost at the ultimate destination. The Contractor shall take over the replaced parts/goods at the time of their replacement. No claim whatsoever shall lie on the Employer for the replaced parts/goods thereafter. In the event of any correction of defects or replacement of defective material during the Warranty period, the Warranty for the corrected or replaced material shall be extended to a further period.

4. If the Contractor, having been notified, fails to remedy the defect(s) within 02 days, the Employer may proceed to take such remedial action as may be necessary, at the Contractor's risk and expense and without prejudice to any other rights which the Employer may have against the Contractor under the Contract. The performance guarantee and liquidated damaged be entitled to be recovered without prejudice to other rights of the Employer.

5. During the EXTENDED WARRANTY period, the successful bidder shall ensure sufficient stock of spares.

12 EXTENDED WARRANTY

The successful bidder shall provide EXTENDED WARRANTY services for 05 years from the date of expiry of warranty period. The terms and conditions of the warranty period shall be applicable during the EXTENDED WARRANTY period also. However the payment shall be released quarterly for the extended warranty period. The contractor shall stick to the requirements of IIT Palakkad in all aspects of the work during this period.

13 Functional support of the station

Functional support means ensuring minimum downtime of the station for a period of five years after handing over ie. During warranty period and subsequent extended warranty period.

The responsibilities/ works during this period shall include:

1. All the activities required to ensure smooth operation as well as minimum interruption of the station.
2. Stocking of sufficient spares
3. Carrying out the routine maintenance of the station
4. Upgradation/ updation of the firmware as and when released by the OEM/ competent authority, complying with the latest standards.
5. During these 5 years, if the contractor fails to attend the faults within time limits specified, penalty shall be applicable as given in the table below. Penalty shall be settled annually by raising invoice to the contractor. If the contractor fails to remit the amount, if any after adjusting the annual payment towards extended warranty, the balance amount shall be deducted from the performance BG and the contractor shall be required to replenish the BG in such case.

Sl No	Defined Parameter	Requirement	Validation Procedure	Penalty
1	Replacement of faulty EVSE: The faulty EVSE shall be repaired and/or replaced (during the EXTENDED WARRANTY period) by the successful bidder within the defined duration.	The faulty EVSE shall be repaired and/ or replaced within 24 working hours from the complaint.	Certificate by the Engineer in charge concerned	More than 24 hours and up to 48 hours: 2% penalty of the value of EXTENDED WARRANTY Charges approved for that month. More than 48 hours and up to 72 hours: 4% penalty of the value of EXTENDED WARRANTY Charges approved for that month. 72 hours plus: 6% penalty of the value of EXTENDED WARRANTY Charges approved for that month.

14. Mobile app services:

The contractor shall make available a mobile application for online booking, billing & payment; The application shall enable the user to locate the nearest compatible charging stations and reserve the available slot for current use. It shall give information regarding the various charging/ payment options available, cost of charging etc. Also it could start a charge from the customer's phone, track usage, and manage payments. The mobile application services for management of the PCS have to be maintained by the contractor upto the extended warranty period. Integration facility to the future control center shall also be ensured. After the contract period IIT Palakkad shall have the right to use the application.

15. Documents for Review/ Approval

The contractor shall prepare and furnish the listed documents for review or approval by the Agreement Authority.

1. Test Certificates of the EVSEs.
2. Guaranteed Technical Particulars (GTP) of the materials supplied by the contractor.
3. Technical Drawings:
Dimensional drawings of EVSEs.
Civil layout drawings of the proposed EV Charging Stations.
Wiring Diagram of the EV Charging Station.
Internal wiring diagram of EVSE.

16. General safety requirement for electric vehicle charging stations:

- i) All EV charging stations shall be designed, installed, tested, certified, inspected and connected in accordance with these provisions.
- ii) All EV charging stations shall be provided with protection against the overload of input supply and output supply fittings.
- iii) All EV charging stations shall be installed so that any socket-outlet of supply is at least 800 mm above the finished ground level.
- iv) A cord extension set or second cable assembly shall not be used in addition to the cable assembly for the connection of the EV to the Electric Vehicle Charging Point. A cable assembly shall be so constructed so that it cannot be used as a cord extension set.
- v) Adaptors shall not be used to connect a vehicle connector to a vehicle inlet.
- vi) EV parking place should be such that the connection on the vehicle when parked for charging shall be within 5 metre from the EV charging Point.

Note: maximum length of the supply lead is 5m.

- vii) Portable socket-outlets are not permitted to be used for EV charging.
- viii) Suitable lightning protection system shall be provided for the EVs charging stations as per IS/ IEC 62305.
- ix) The EVs charging stations shall be equipped with a protective device against the uncontrolled reverse power flow from vehicle.
- x) Disconnection of EV: One second after having disconnected the EV from the supply (mains), the voltage between accessible conductive parts or any accessible conductive part and earth shall be less than or equal to 42.4 V peak (30 V rms) , or 60 V D.C., and the stored energy available shall be less than 20 J (as per IEC 60950). If the voltage is greater than 42.4V peak (30V rms) or 60V DC, or the energy is 20J or more, a warning label shall be attached in an appropriate position on the charging stations.
- xi) Locking of the coupler: A vehicle connector used for D.C. charging shall be locked on a vehicle inlet if the voltage is higher than 60V DC The vehicle connector shall not be unlocked (if the locking mechanism is engaged) when hazardous voltage is detected through charging process including after the end of charging. In case of charging system malfunction, a means for safe disconnection may be provided.
- xii) Protection against overvoltage at the battery: The DC EV charging point shall disconnect supply of electricity to prevent overvoltage at the battery, if output voltage exceeds maximum voltage limit sent by the vehicle.
- xiii) Verification of Vehicle Connector Voltage- The EV Charging station shall not energize the charging cable when the vehicle connector is unlocked. The voltage at which the vehicle connector unlocks shall be lower than 60 V.

17. Earth protection system for charging stations:

- i) Co-ordination of various protective devices shall be required.
- ii) All EV charging stations shall be provided with an earth continuity monitoring system that disconnects the supply in the event that the earthing connection to the vehicle becomes ineffective.
- iii) Earthing of all EV charging stations shall be TN system as per IS 732.
- iv) Detection of the electrical continuity by the protective conductor: A protective earth conductor shall be provided to establish an equipotential connection between the earth terminal of the supply and the conductive parts of the vehicle. The protective conductor shall be of sufficient rating to satisfy the requirements of IEC 60364-5-54.

18. Maintenance of Records:

- i. To be tested/inspected by owner/ electrical Inspector/ CESE and keep records that the EV charging station has been designed, constructed and labeled to be compatible with a supply of standard voltage at a nominal frequency of 50 Hertz;
- ii. Keep records of the relevant test certificate as indicated in these guideline and as per IEC 61851 standard.

19. Periodic maintenance and assessment of EV charging Stations:

- i) An electric vehicle charging station custodian shall arrange periodic test/inspection of an EV charging station.
- ii) The owner/operator shall establish and implement a safety assessment programme for regularly assessing the electrical safety of EVSE, conductors and fittings.
- iii) The owner/operator shall keep records of the results of every periodic assessment and details of

any issues found during the assessment; and any actions required to be taken in relation to those issues.

iv) The owner/operator shall retain a copy of all records, whether in hard copy or electronically, for at least seven years and shall provide a copy of the records to the inspecting officers.

20. Standards for charging stations:

i. Safety provisions of all A.C. charging stations shall in accordance with IEC 61851- 1, IEC 61851-21, IEC 61851-22 and IEC 61851-24.

ii. Safety provisions of all D.C. charging stations shall in accordance with IEC 61851- 1, IEC 61851-21, IEC 61851-23 and IEC 61851-24

iii. Where the connection point is installed outdoors, or in a damp location, the equipment shall have a degree of protection of at least IPX4 in accordance with IEC 60529.

iv. IS 17017

ANNEXURE-II
TECHNO-COMMERCIAL BID
(TO BE SUBMITTED ONLY THROUGH ONLINE MODE IN APPROPRIATE FORMAT)

A. Company Profile
Name of the Company/Bidder
Postal Address of the Registered Office
Telephone (Landline) No.
Mobile No.
Email Address (Official)
Name of the CEO/Director
Name(s) of the Partners (if applicable)
Registration No. (Upload supporting document)
Type of Firm (Proprietary/Partnership/PrivateLtd./Private/MNC/Cooperative/Govt. Undertaking/Any Other)
Email Address and Contact Number(s) of CEO/Director
Year of Establishment
No. of Years of Operations in India
Location of Offices in India / Abroad
PAN (Upload supporting document)
GST (Upload supporting document)
B. Alliances for the Purpose of this Bid, if applicable (Upload supporting document)
Details of Alliance(s)
Type of Alliance(s)
C. Experience/Credentials
D. Service Support and Availability of Spares in India
Location and Address of Service Centres
Whether the OEM offers any service
Whether the service set up maintains stock of Essential Spares in India
Lead time for Supply of Essential Spares
E. Others
Has the firm ever been debarred/blacklisted by any Govt. Organization/Dept.? If 'yes' the details thereof. Upload (supporting document)
Note: Supporting Documents, wherever asked for, shall be uploaded along with the Bid, without which the Bid shall be rejected outright.

ELIGIBILITY CRITERIA FOR BIDDERS

LIST OF DOCUMENT TO BE SCANNED AND UPLOADED WITHIN THE PERIOD OF BID SUBMISSION

Only those bidders fulfilling the following criteria should respond to the tender.

1. Information related to the agency/bidder such as photocopies of the Registration/PAN/GST/TIN shall be furnished.
2. The bidder must have a registered office in Karnataka/Tamil Nadu/Telangana/Andhra Pradesh or Kerala. Certificate of registration for the offices to be provided.
3. Scanned copy of ARAI certificate of the equipment offered.
4. The Agency must have a valid electrical license for carrying out the work. Copy of the same must be uploaded along with the tender documents.
5. Manufacturers or authorized dealer of the manufacturer agencies having completed the works as mentioned below during the last three years ending previous day of last date of submission of bid:

THREE EV Charging station works completed works each costing not less than the amount equal to

Rs. 13 lakh and not less than 60 kVA EV Charger work
(OR)

TWO EV Charging station works completed works each costing not less than the amount equal to

Rs. 20 lakh and not less than 60 kVA EV Charger work
(OR)

ONE EV Charging station works completed works each costing not less than the amount equal to

Rs. 26 lakh and not less than 60 kVA EV Charger work

“Cost of work” for this clause shall mean completed cost of work as mentioned in the final bill including internal electrical works, if any, carried out under single contract including cost of materials, if any, supplied by clients. However, the cost of materials issued free of cost shall not be considered for calculating the cost of work. The value of executed works shall be brought to current costing level by enhancing the actual value of work at a simple rate of 7% per annum; calculated from the date of completion to the last date of receipt of applications for bids. “Similar work” for this clause means “EV Charging Station works”

5. Digitally signed tender documents should be uploaded in Cover One.

6. Has the firm ever been debarred/blacklisted by any Govt. Organization/Dept.? If ‘yes’ the details thereof (Please upload supporting document). Is any person working with the applicant a near relative of the Employees of IIT Palakkad? If yes, give details (Separate declaration to be uploaded along with tender document)

ANNEXURE - IV

LIST OF DOCUMENTS TO BE SCANNED AND UPLOADED WITH IN THE PERIOD OF BID SUBMISSION

Photocopies of the PAN/GST

1. GST registration Certificate of the Kerala State if already obtained by the bidder. If the bidder has not obtained GST registration of Kerala State as required by GST Authorities, then in such a case the bidder shall scan and upload the following undertaking along with other bid documents.
2. "If work is awarded to me, I/We shall obtain GST registration certificate of the Kerala State, within one month from the date of receipt of award letter or before release of any payment by IITPKD, 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 IITPKD or GST Department in this regard".
3. Copy of Enlistment certificate/ Experience certificate issued by an officer not less than the grade of Executive Engineer.
4. Letter of Transmittal

**ANNEXURE-V COMPLIANCE
STATEMENT**
(Part of Technical Bid)

The vendor shall,

1. Prepare, sign and submit the Compliance Statement of the specification of the item in the format given below along with the technical bid in the company letter head.
2. Submit separate Compliance Statement of specification sheets for each item.
3. Ensure that the component number and heading in the Technical Specifications is clearly mentioned in the document. If there are any deviations from the specifications mentioned by IIT Palakkad, the vendor should clearly indicate the deviations and give reasons for the deviation with proper justification.
4. Provide the technical leaflet/literature/catalogue or any relevant document for all the quoted items to IIT Palakkad. The information provided in the compliance statement without supporting documents will not be considered for the evaluation of the technical bid and will be treated as non-compliance and may lead to the disqualification of the technical bid.
5. Clearly respond to every requirement given in the technical specifications. Lack of clarity may be considered as lack of information and may subsequently lead to disqualification of the technical bid.

Format of Compliance Statement:

Item No.	IIT Palakkad's technical specification of components as given in Annexure-I	Specifications of model/make quoted by the vendor	Vendor's specification complies with IIT Palakkad's technical specification? (YES/ NO)	Deviation, if any, to be indicated in unambiguous terms	Page no. of relevant specification for the quoted model in the technical manual/leaflet

**Annexure-VI
FORMAT OF PERFORMANCE SECURITY**

1. This deed of Guarantee made this day of _____ between Bank of _____ (hereinafter called the “Bank”) of the one part, and Indian Institute of Technology Palakkad (hereinafter called “the Purchaser”) of the other part.
2. Whereas the Purchaser has awarded the contract for Supply, Installation, Commissioning, Integration and Validation _____ of _____ (name of the item) (hereinafter called the contract) to _____ (hereinafter called the Supplier); (Name of the Supplier)
3. AND WHEREAS the Supplier is bound by the said Contract to submit to the Purchaser a Performance Security for a total amount of Rs. _____ (Amount in figures and words).
4. Now, I/we the undersigned, being fully authorized to sign and to incur obligations for and on behalf of _____ and in the name of _____ (Full name of Bank), hereby declare that the said Bank will guarantee the Purchaser the full amount of Rs. _____ (Amount in figures and words) as stated above.
5. After the Supplier has signed the aforementioned Contract with the Purchaser, the Bank is engaged to pay the Purchaser, any amount up to and inclusive of the aforementioned full amount upon written order from the Purchaser to indemnify the Purchaser for any liability of damage resulting from any defects or shortcomings of the Supplier under the Contract mentioned above, whether these defects or shortcomings are actual or estimated. The Bank will deliver the money required by the Purchaser immediately on demand without delay without reference to the Supplier and without the necessity of a previous notice or of judicial or administrative procedures and without it being necessary to prove to the Bank the liability or damages resulting from any defects or shortcomings of the Supplier. The Bank shall pay to the Purchaser any money so demanded notwithstanding any dispute/disputes raised by the Supplier in any suit or proceedings pending before any Court relating thereto and the liability under this guarantee shall be absolute and unequivocal.
6. This Guarantee is valid for a period of thirty six months from the date of signing. (Initial period for which this Guarantee will be valid must be for at least thirty (30) days longer than the anticipated expiry date of warranty period).
7. At any time during the period in which this Guarantee is still valid, if the Purchaser agrees to grant a time extension to the Supplier or if the Supplier fails to complete the work within the time of completion as stated in the Contract, or fails to discharge himself of the liability or damages as stated under Para 5 above, the Bank shall extend this Guarantee under the same conditions for the required time on demand by the Purchaser and at the cost of the Supplier.
8. The Guarantee herein before contained shall not be affected by any change in the Constitution of the Bank or of the Supplier.
9. The neglect or forbearance of the Purchaser in enforcement of payment of any moneys, the payment whereof is intended to be hereby secured or the giving of time by the Purchaser for the payment hereof shall in no way relieve the bank of its liability under this deed.
10. The expressions “the Purchaser”, “the Bank” and “the Supplier” herein before used shall include their respective successors and assigns.

In witness whereof I/We of the bank have signed and sealed this guarantee on the _____ day
of _____ (Month & Year) being herewith duly authorized. For and on behalf of the _____ Bank.

Signature of Authority

Name of the Official Name:

Designation:

Stamp/Seal of the Bank:

Signed, sealed and delivered for and on behalf of the Bank by the above named _____ in the presence
of: Witness 1 _____ Witness 2 _____

Signature

Signature

Name

Name

1 Address

Address

**ANNEXURE-VII
DECLARATION**

We hereby undertake that there are _____ pages, serially numbered, in the submitted tender including the supporting documents. (Please serially number all the pages including blank page, if any).

We have submitted our principal's exclusive authorization letter which is specific for this tender No. dated _____ .

Signature and Seal of the Bidder

ANNEXURE-VIII

FALL CLAUSE NOTICE CERTIFICATE

(To Be Submitted Only Through Online Mode in Appropriate Format)

This is to certify that we have offered the maximum possible discount to you in our Quotation No. dated_(**Please do not reveal the prices here, which will lead to outright rejection of your bid**). The prices charged for the Stores supplied under tender should under no event be higher than lowest prices at which the party sells the items of identical description to any other Govt. organization/PSU"s/Central Govt, /State Govt. Autonomous bodies/Central/state Universities/Central/State Educational Institutions, failing which the "**FALL CLAUSE**" will be applicable. The institute will look into a reasonable past period to ensure this. In case, if the price charged by our firm is found to be more, **IIT Palakkad** will have the right to recover the excess charged amount from the subsequent/unpaid bill of the supplier.

Annexure - IX

FORMAT OF UNDERTAKING, TO BE FURNISHED ON COMPANY LETTER HEAD WITH REGARD TO BLACKLISTING/ NON- DEBARMENT, BY ORGANISATION

UNDERTAKING REGARDING BLACKLISTING / NON – DEBARMENT

We hereby confirm and declare that we, M/s -----, is not blacklisted/ De-registered/ debarred by any Government department/ Public Sector Undertaking/ Private Sector/ or any other agency for which we have Executed/ Undertaken the works/ Services

For -----

Authorized Signatory

Date:

FORMAT FOR SELF-CERTIFICATION UNDER PREFERENCE TO MAKE IN INDIA
(TO BE SUBMITTED ONLY THROUGH ONLINE MODE IN APPROPRIATE FORMAT)

Format for Affidavit of Self-Certification regarding Minimum Local Content in line with "Make in India" Policy vide GoI Order no. P-45021/2/2017-PP (B.E.-II) dated 15.06.2017 (subsequently revised vide orders dated 28.05.2018, 29.05.2019 and 04.06.2020)

Date: _____

I/We _____ S/o, D/o, W/o, _____
 Resident of _____

Hereby solemnly affirm and declare as under:

That I will agree to abide by the terms and conditions of the Public Procurement (Preference to Make in India) Order, 2017 (hereinafter PPP-MII order) of Government of India issued vide Notification No:P-45021/2/2017 - BE-II dated 15/06/2017, its revision dated 28/05/2018 and any subsequent modifications/Amendments, if any and

That the local content for all inputs which constitute the said goods/services/works has been verified by me and I am responsible for the correctness of the claims made therein.

Tick (✓) and Fill the Appropriate Category	
<input type="checkbox"/>	I/We _____ [name of the manufacturer] hereby confirm in respect of quoted items(s) that Local Content is equal to or more than 50% and come under " Class-I Local Supplier " category.
<input type="checkbox"/>	I/We _____ [name of the manufacturer] hereby confirm in respect of quoted items(s) that Local Content is more than 20% but less than 50% and come under " Class-II Local Supplier " category.
<input type="checkbox"/>	I/We _____ [name of the manufacturer] hereby confirm in respect of quoted items(s) that Local Content is less than or equal to 20% come under " Non-Local Supplier " category.

For and on behalf of..... (Name of firm/entity)

Authorized signatory (To be duly authorized by the Board of Directors)

<Insert Name, Designation and Contact No.>

[Note: In case of procurement for a value in excess of Rs. 10 Crores, the bidders shall provide this certificate from statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.]