



**EASTATE (E&M) WORKS SECTION  
INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR  
KHARAGPUR 721302**

**Notice Inviting Quotation**

**Quotation No: - IIT/E/E&M/2018-19/Qtn/41**

**Date:- 11.10.2018**

Sealed quotations on item rate basis are invited by Sr. EE (EW) from limited enlisted and approved Electrical contractors of IIT Kharagpur /CPWD/MES/WBPWD/Kharagpur municipality and Other bonafide contractors having valid GST, PAN, Updated trade license and updated Electrical contractor license work completion report and make list in the given format for below mentioned work. The approximate cost of the work Rs. **97,539/- (Rupees Ninety Seven Thousand Five Hundred Thirty Nine only)**

**NAME OF THE WORK : Installation of APFC Panel at Balarampur Pump House at IIT Kharagpur.**

**ISSUE OF QUOTATION : - FROM 11.10.2018 to 24.10.2018**

**LAST DATE OF SUBMISSION : 24.10.2018 UPTO 3:30 PM**

**TENDER OPENING DATE : 24.10.2018 TIME: 4:30 PM**

**Sr. Executive Engineer (EW)**

Copy to :

- 1) Prof. in-Charge (Electrical Works)
- 2) Prof. in -Charge (IIC) :-
- 3) Registrar, I.I.T Kharagpur.
- 4) Chief Engineer
- 5) Superintending Engineer (Elect.)
- 6) Sr. Executive Engineer (Civil)
- 7) Sr. Executive Engineer (E&M)
- 8) Dy. Registrar (F &A)
- 9) Dy. Registrar (S&P)
- 10) Notice Board, EPDS.
- 11) Notice Board, Estate (E &M) Head office, Old Building
- 12) Office file.

## **TENDER NOTICE**

Sealed quotations on item rate basis are invited by Sr. EE (EW) from limited enlisted and approved Electrical contractors of IIT Kharagpur /CPWD/MES/WBPWD/Kharagpur municipality and Other bonafide contractors having valid GST, PAN, Updated trade License . The approximate cost of the work is Rs. 97,539/- (Rupees Ninety Seven Thousand Five Hundred Thirty Nine only)

The work to be completed within **30 (Thirty) days** from the date of acceptance of work order placed by IIT Kharagpur

1. The Bidders are required to complete quotation, quote rate as per the schedule of quantities and sign on each page of tender documents before submission. The quotation will not be accepted other than our format. The completed set is to be enclosed in a sealed envelope addressed to:

**Sr.Executive Engineer (EW).  
Indian Institute of  
Technology, Kharagpur  
Kharagpur -721302 (WB)**

**Tenders will be received up to 3.30 PM on 01.10.2018 with all necessary documents i.e. GST, PAN, Electrical contractor license and updated Trade licence work completion report and make list in the given format in the office of Estate (E & M), Old Building, IIT Kharagpur.**

**Agency has to submit the self-attested copy of the documents .Without these documents tender will not be accepted.**

2. No tender will be received after the expiry of the date/ time notified for receiving tenders under any circumstances whatsoever.
3. The tender will be opened at 4.30 PM on **24.10.2018** at above address in the presence of authorized representative of Bidder and Tender opening committee of IIT Kharagpur
4. Tender shall remain valid for acceptance for a period of 120 days from the notified last date of tender submission.
5. The price should be for the complete finished item of work and include all labour charges, material, taxes, overhead, duties, cess etc.
6. Each tender shall be accompanied by **Earnest Money of ₹ 1950/- (Rupees One Thousand Nine Hundred Fifty only) in the form of Demand Draft in favour of, IIT Kharagpur, payable at Kharagpur or by RTGS or NEFT to Institute A/c (Grant Savings 10224336884-SB, IFSC Code SBIN000202). Tenders without Earnest Money shall be summarily rejected.**
7. The earnest money deposited shall not carry any interest and will be refunded to the unsuccessful tenderers. Earnest money paid by the successful contractor will be retained by the IIT Kharagpur as a part of security deposit.
8. Institute will deduct a sum at the rate of 10% of the gross amount of each

running bill of the Contractor till the sum along with the sum already deposited as earnest money, will amount to security deposit of 10 % of the bid value of the work. Security deposit will be refunded to bidder after successful completion of warranty period of **Six months**.

9. All tenders in which any of the prescribed conditions are not fulfilled or incomplete in any respect are liable to be rejected.
10. The Institute reserves the right to reject any or all prospective applicants without assigning any reason. If any information furnished by the applicant is found incorrect at a later stage, he shall be debarred from tendering and taking up of any work in IIT Kharagpur.
11. The quantities given in BOQ against each items may vary i.e. increase or decrease as per site requirement, but rate will be firmed.
12. This tender notice shall form part of the contract documents.
13. Penalty will be imposed against delay of work as per the Institute rule.
14. The agency is fully responsible for the safety of working personnel and has to follow all government safety rules.
15. Tenderers 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, laying route, the form and nature of site, the means to access the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risk, contingencies and other circumstances which may influence or affect their tender. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. The bidder shall be responsible for arranging and maintaining at his own cost of 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 bid documents. Submission of tender by a tenderer implies that he has read this notice and all other tender documents and has made himself aware of the scope and specifications of the work to be done and local conditions and other factors having bearing on the execution of the work.
16. All the Govt. labour rules, regulations and latest Indian Electricity Rule are followed by the contractor while executing the Electrical work.
17. All statutory deduction will be deducted as per government rules.

**INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR**  
**Office of the Executive Engineer (Electrical)**  
**Electric Power Distribution Section**

**Name of the Work: Installation of APFC Panel at Balarampur Pump House at IIT Kharagpur.**

Sl.No.	Description of Item	Unit	Qty.	Rate (₹)	Amount
1	<p>Design,Supply,Erection,Testing and Commissioning of 25 kVAr power factor improvement panel made out of 14 SWG CRCA sheet steel,modular,compartmentalized,powder coated painting,self standing on angle iron frame with the following feature :-</p> <p>a) I/C 100 Amps,4 Pole MCCB =01 no with spreader link, extended rotary handle and ON,OFF,TRIP indication of the I/C unit.</p> <p>b) 5 no X 5 kVAr Heavy Duty Capacitor Bank (<b>Make:</b>Malde Capacitor Mfg.Co.)</p> <p>c) 5 Stage APFC Relay (equivalent to etaCon L5 5 stage 5 Amps 415 V coil Voltage,Model No:ERP ML 05D500</p> <p>d) TPN Bus Bar(Cu/Al.) of 100 Amps capacity with colour insulated sleeved.</p> <p>e) Auto/Manul operational facilities with manul Start,Stop,Push button and ON OFF indication.</p> <p>f) Digital Voltmeter + Selector Switch and Digital Ammeter with CTs and Selector Switches are required in APFC panel.</p> <p>g) Exhaust Fan for Cooling the Capacitor Bank</p> <p><b>Erection:</b>To be erected on floor with grouting of angle iron legs in floor with 75 mm X 10 mm angle and height 2.5 ft to 3 ft. <b>Approx Dimension:</b>1400 mm X 1000 mm X 600 mm <b>Make:</b> <b>CT:</b>Resin Cast KAPPA Make MCCB/MCB/HRC fuse/Push Buttons/Indicating Lamps etc. L&amp;T/ Kaycee make. <b>Capacitor Duty Contactor:</b>L&amp;T/Epcos/Legrand/Siemens/Schneider <b>Note:</b>Contractors are to submit the electrical G.A.drawing and layout drawings for departmental approval before placing order.(Strictly as per <b>Anx-1</b> attached herewith. <b>Approved Panel Builders:</b>EAP Kolkata/Royo Kolkata/Dynamic Control Kolkata/ TTS Systematics</p>	No	1		
2	<p>Supplying &amp; fixing of Extra Current Transformer of 100/5A,Class-1,10 VA Capacity as required to be connected of the panel of which the p.f.has to be improved. <b>Make:</b>L&amp;T/KAPPA/Legrand</p>	No	1		
3	<p>Wiring for circuit / submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor , single core cable in surface / recessed medium class PVC conduit as required .(From newly installed CT in the existing panel to APFC relay.)</p> <p>i) 2 X 2.5 sq.mm + 1X 2.5 sq.mm earth wire <b>Make:</b>1.1 kV grade FRLS wire Finolex/Havells/Polycab/KEI/RR cable</p>	Mtrs.	20		

4	Supplying of 1.1 kv grade, 50 sq.mm, 3.5 core, XLPE insulated overall sheathed stranded aluminium conductor flat steel strip armoured cable. Confirming to IS:7098 part-I with latest amendments. <b>Make:</b> Havells/Gloster/Polycab/RPG/KEI/Finolex	Mtrs.	15		
5	Laying and fixing of one number PVC insulated XLPE power Cable of 1.1 kV grade either in trench/wall/Surface as the case may be with proper saddling & GI earth wire for the I/C of the APFC panel. a) Above 35 sq.mm and upto 95 sq.mm	Mtrs.	15		
6	Supplying and making end termination with brass compression gland and lugs for following size of PVC insulated and PVC sheathed /XLPE aluminium conductor cable of 1.1 KV grade as required. a) 3.5 Core X 50 sq.mm <b>Make:</b> Dowell's make	No.	2		
7	Earthing attachment complete of the APFC panel with S&F of 2 run 10 SWG GI wire from the existing earthing bass in the room with all hard wares as required.	Mtrs.	30		

**TOTAL =**

**Total Amount in words (inclusive GST):**  
**(Please mention applicable GST %)**

**N.B.**

1	<b>The SLD &amp; GA of the Capacitor Bank along with make of all items are to be submitted by the Contractor for approval by the Department</b>
2	<b>Capacitor Bank should be warranted for a period of Six Months after successful Commissioning at site.</b>
3	<b>The contractor has to arrange a joint site inspection and testing of the APFC Panel with the Institute representatives.</b>

**Make list format**

**Name of the Work :**

Sl. No.	Description of items	Approved makes proposed by the contractor	Makes approved by the Department
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Signature of E (EW)

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Signature of Sr.E.E.(EW)

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Signature of S.E (E&M)

