

 IIT PALAKKAD	भारतीय प्रौद्योगिकी संस्थान पालक्काड Indian Institute of Technology Palakkad अहलिआ एकीकृत कैम्पस, कोज़िपारा Ahalia Integrated Campus, Kozhipara पालक्काड- 678557 Palakkad – 678 557	दूरभाषसंख्या/ Phone no: 04923 – 226300/590/586 ईमेल/ Email : purchase@iitpkd.ac.in
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Ref No: IITPKD/ELE/SS/ 104 /2017

Date: 18.01.2018

Due Date of the tender: 02.02.2018 @ 3.00 PM

TENDER FOR INVITING QUOTATIONS

Dear Sirs,

On Behalf of Indian Institute of Technology Palakkad quotations are invited for “**Supply, installation, testing, and commissioning of 60kVA UPS with 15 minutes backup handling 3 phase input and 3 phase output**” confirming to the specification in the Annexure.

- Preparation of Bids:** - The tenders should be submitted **under two-bid system** (i.e.) Technical bid and Financial bid. The technical bid should consist of all technical details along with commercial terms and conditions. No prices should be included in technical bid. Financial Bid should indicate item – wise prices for the items mentioned in the technical bid. The technical bid and the Financial should be put in separate cover and sealed. Both sealed covers should be put into a bigger cover
- The Quotations duly sealed and superscribed on the envelope **with the reference No. and due date, should be addressed to the undersigned so as to reach him on or before the due date stipulated above. Fax and Email quotation are not acceptable.**
- The price should be quoted per unit and packing and delivery charges should be indicated separately. The offer/bids should be exclusive of Taxes and Duties, which will be paid by the purchaser as applicable. However the percentage and of taxes and duties as on date should be clearly indicated.
- The Quotations should be valid for **sixty days** from the due date and the period of delivery required should also be clearly indicated.
- If the item is under DGS&D Rate contract No. and the price must be mentioned. It may also please be indicated whether the supply can be made direct to us at the Rate contract price (Please note that we are not Direct Demanding Officers). If so please send copy of the RC.
- Local Firms:** Quotations should be for free delivery to this Institute. If Quotations for Ex-Godown delivery charges should be indicated separately.

7. Firms outside Palakkad: Quotations should be for **F.O.R. at IIT Palakkad**. If F.O.R. consignor station, freight charges by passenger train / lorry transport must be indicated. If Ex-Godown, packing, forwarding and freight charges must be indicated.
8. Goods should be supplied carriage paid and insured. Goods shall not be supplied without an official supply order.
9. **Custom Duty:** Custom Duty which will be paid at a concessional rate against duty exemption certificate.
10. **Goods and Service Tax : Concessional GST@ 5% will be paid extra as per GOI notification no. 47/2017, dated 14.11.2017.**
11. **Payment:** Every attempt will be made to make payment within 30 days from the date of receipt of bill / acceptance of goods, whichever is later. **Please indicate actual product cost + Taxes separately.** No advance payment will be made. The Tenderer have to furnish the bank details along with tender like Account No, Account Name, IFSC Code etc.,
12. **Submission of Bids:** Quotation should be sent to the following address “**The Registrar, Indian Institute of Technology Palakkad, Ahalia Integrated Campus, Kozhipara, Palakkad -678 557, Kerala**”, Phone No: **04923 226 300/ 590/586** , Email : purchase@iitpkd.ac.in
13. **Delivery Period:** The quotation should indicate clearly when delivery and installation will be made. In case there is any deviation in the delivery schedule, liquidated damages may be enforced or penalty for the delayed supply period may be levied.
14. [The Tenderer should have Service centre in Palakkad, Coimbatore, Thrissur, Cochin, Bangalore or Chennai.](#)
15. **Late offer:** The quotation received after due date will not be considered. Please ensure that your offer is sent well in advance to reach the Institute by the due date.
16. **Warranty:** Warranty: 3 years onsite for UPS, 3 years onsite replacement for batteries.
17. **Acceptance and Rejection:** I.I.T Palakkad has the right to accept the whole or any parts of the Tender or portion of the quantity offered or reject it in full without assigning any reason.

Yours faithfully,

Uninterruptible Power Supply

Primary requirement: Supply, installation, testing, and commissioning of 60kVA UPS with 15 minutes backup handling 3 phase input and 3 phase output.

General specifications

Topology: True online double conversion

Power \geq 54 kW @ output power factor 0.9

Backup duration: > 15 minutes

Overall efficiency: > 93%

Transfer time: 0 ms

Isolation transformer: Inbuilt preferred. In case of external Isolation transformer, bidder must include the cost of this item as a separate price

Approved OEMs

Emerson

Numeric

APC

GE

ABB

Input specifications

Input voltage range : 320 – 460V AC 3 phase

Input frequency : 45-55 Hz

Input Power Factor : > 0.95

Input Current Harmonics : < 5 %

Output specifications

Output voltage : 380 / 400 / 415 V AC 3 phase

Output frequency : 50Hz

Output capacity : \geq 60kVA

Output power factor : \geq 0.9

Output waveform : pure sine wave

Battery specifications

Battery type : SMF

Battery make : Panasonic / Exide / Amara Raja / UPS OEM brand

Rack type : Powder coated racks

Monitoring and Maintenance

Remote monitoring interface : SNMP (must include any optional items to have full SNMP monitoring)

Audible warning : overload, mains fail, battery low, system trip

LCD : indicating UPS state, input voltage, output voltage, battery voltage, battery charge

Static bypass: Automatic and manual

Optional : RS232 and USB interface

Environmental specifications

Working temperature range : 10 – 50 degrees C

Relative humidity: 0 – 95% non-condensing

Who can participate in the bid?

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

1. The bidder should be either an Original Equipment Manufacturer (OEM) of uninterruptible power supply (UPS) or should be an authorized representative (provide documentary proof) of an OEM.
2. The bidder should be a company registered under the Companies Act, 1956/2013 OR a Limited Liability Partnership /a registered partnership firm OR a sole-proprietorship entity. Appropriate Registration incorporation certificate must be submitted.
3. The bidder must have a registered office in Karnataka/Tamil Nadu/Telangana/Andhra Pradesh/Maharashtra or Kerala. Certificate of registration for the offices to be provided.
4. The bidder must preferably have a service center in Karnataka/Tamil Nadu/ Telangana/Andhra Pradesh or Kerala. Certificate of registration for the centers to be provided. For service centers located in any other location, in case of service and repairs, the bidder has to perform all the procedures of shipping and bear all the cost for the same. Details about scope of service activities provided by the service centers must be provided.
5. The bidder must be in existence in the business of UPS for a minimum period of 3 previous financial years (before or since 01 April 2012). Documentary evidences of experience must be provided.
6. The bidder should have documentary evidence of having supplied UPS to a Centrally Funded Technical Institution (IIT, NIT, IISc, IISER) in the last three years (01 April 2014 – 31 Oct 2017). The bidder must provide a certificate of satisfactory performance of the supplied equipment from the institute to which they have recently supplied. Contact details of the faculty-in-charge of the installed setup must also be provided.
7. **The bidder must provide detailed specification of each equipment/item. Model numbers, data sheets and brochures must be included for each quoted equipment/accessories/item. Specifications corresponding to quoted model number must be available publicly via OEM's website for scrutiny. If not, bid can be disqualified on technical grounds.**
8. **Compliance sheet for the technical specification and OEM Brochure have to be attached along with the Technical bid. Vendor has to fill the compliance sheet and mention the page number or reference number in OEM brochure for each item in the compliance sheet. Unfilled / partially filled sheets lead to disqualification.**
9. Service and warranty for a minimum period of three years for the equipment must be provided.