



भारतीय प्रौद्योगिकी संस्थान कानपुर  
INDIAN INSTITUTE OF TECHNOLOGY KANPUR  
संगणक केन्द्र  
COMPUTER CENTRE

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Head

पत्रालय-आई.आई.टी.कानपुर-208016(भारत)  
P.O.-I.I.T. KANPUR - 208 016 (India)  
CC/IITK/09/449  
15 Sep 2017

**Notice inviting tender for Supply and Installation of SMF Batteries  
under Buy-Back of old batteries**

Computer Centre, IIT Kanpur, has 2x100 KVA UPS units installed and running for providing uninterrupted power to Labs in New Core Building.

Sealed quotations are invited, in two separately sealed envelopes, one technical and second financial, for supply and installation of 12V/150 AH SMF batteries under buy back of old batteries.

**TERMS AND CONDITIONS:**

1. Sealed bids for supply and installation of SMF batteries under buy-back of old batteries are invited under Two Bid System from reputed bidders who have experience in carrying out similar work and fulfil the eligibility criteria mentioned later in this document. The two bid system comprises of Technical and Financial Bids. Financial Bid will also be referred to as Price Bid or Commercial Bid.

**2. Details of Bid:**

<b>Tender No.</b>	CC/IITK/09/449
<b>Posting Date</b>	15 Sep 2017
<b>Last Date and time of submission</b>	09 Oct 2017, 5 PM
<b>Date of opening of Technical Bid</b>	10 Oct 2017, 4 PM (tentative)
<b>Date of opening of financial bids for technically qualified bidders</b>	Will be intimated to technically qualified bidders through email.
<b>Validity of Bid</b>	90 days
<b>Place of receiving the bid</b>	CC Office (Room No. 101), Computer Centre, Indian Institute of Technology Kanpur, Kanpur - 208016
<b>Total Number of pages in this Tender Document</b>	5
<b>Important Note</b>	In case there is any doubt with any point in the tender, the same should be brought to notice via email to <a href="mailto:headcc@iitk.ac.in">headcc@iitk.ac.in</a> latest by 22 Sep 2017

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### 3. Eligibility of Bidders

- i) Original Equipment Manufacturer (OEM) can bid directly or through its authorized business partner. In case the bid is through authorized business partner of OEM, the following conditions should be met:
  - (a) The bid must contain an authorization from the OEM to participate in this specific tender on behalf of the OEM.
  - (b) The authorized business partner must also be either a manufacturer of high capacity three-phase UPS's for data centers with load of at least 300KVA or an authorized distributor and service provider of the same.
- ii) A declaration to the effect that service and technical support will be taken care of by the bidder even after end of warranty period must be provided by the bidder.
- iii) Bidder should have local registered office at Kanpur. A lease agreement as address proof must be provided for verification.

OR

The bidder must have a resident engineer posted in Kanpur from a date prior to this tender. Also, the bidder must ensure that one resident engineer shall be available throughout the warranty period of the batteries.
- iv) Bidder should have satisfactorily completed at least two works of similar nature each with value not less than 25% of the bid value in this project. Phase/part completion of any work will not be considered. Bidder should produce the purchase orders and completion report of each such work.
- v) Bidders must enclose at least three satisfactory service feedback reports of their major clients like any government body or IIT/IIM etc.
- vi) Self-attested copies of valid CST/VAT/Excise registration, PAN, TIN and Service tax registration certificate must be enclosed. The manufacturer should have ISO 9001, BS OHSAS 18001:2007 certificates.
- vii) The bidder should not have been blacklisted by any government body or PSUs in last five years. An undertaking on bidder's letter head to this effect must be enclosed.
- viii) Consortiums /Joint venture companies shall not be eligible to participate.
- ix) Annual turnover of the Battery OEM during the last three years should not be less than Rs.50 Crores. The annual turnover of business partner authorized by OEM, if the OEM is not directly participating, should not be less than Rs. 3 Crores during the last three years.

### SCOPE OF WORK

- i) The bidder has to supply the required number of batteries as given in specifications after conducting battery balancing procedure at warehouse before the dispatch.
- ii) The installation of the batteries within prescribed SLA and in presence of qualified technical expert is to be carried out by the bidder.
- iii) In case of minor / backup time related issues the battery supplier has to coordinate with the UPS vendor and attend to the problem. The battery supplier has to provide preventive maintenance every 6 months for the

  
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batteries either independently or coordinating the timing with preventive maintenance by the UPS vendor. There should not be any case of “passing the ball” to the other’s court between the battery vendor and UPS vendor.

- iv) There are 2 UPS units operating independently. The bidder has to remove the old batteries and replace them with new ones for one UPS at a time with minimum possible downtime
- v) After all batteries are replaced, the bidder shall take the old batteries and get it disposed by a pollution control board certified vendor and submit a certificate of proper disposal to IIT Kanpur. The name of the PCB certified vendor **should be mentioned on the state’s pollution control board website.**
- vi) During warranty period any defective battery should be replaced by new battery of the same make and model within 2 working days. Defective battery should not be replaced by an old working battery.

**TECHNICAL SPECIFICATIONS**

**Requirement Units:** Each of the 2 x 100 KVA UPS has 1 banks of 40 No. 150 AH batteries. So in total for the 2 UPS units 80 units of 12 V, 150 AH SMF VRLA batteries are required.

Specification	Requirement
Type	SMF VRLA
Mounting	Existing racks: 2 Nos for each UPS, each with dimension 800 mm(Width) x 510 mm(Depth, excluding front cover) x 2160 mm(Height -in two segments of 720 mm and 1440 mm). In case this dimension is not sufficient, vendor should provide strong and durable appropriate racks with powder coated paint. Vendor is free to check the site for availability of space and the racks. The cost of any such rack replacement is to be included in the bid.
Ambient temperature	0 to 35 °C
Nominal Voltage	12 V
Capacity at 25 °C	150 AH at 20 hour rate
Discharge Characteristics	As per JIS 8702
Float life	10 years or more at 20 °C

*M. Singh*  
 15/9/2017



Specification	Requirement
Warranty	3 years on-site comprehensive warranty with free replacement of any defective battery with new battery of same make and model. The warranty should be provided by the OEM and should include the battery balancing procedure execution on site
Connecting Accessories	As far as possible old interconnectors with lugs be used*
Test certifications	All test certifications as per relevant ISO standards to be provided
Eco friendly	No hazardous gas emission
Body material	Container material to be of low permeability, anti-corrosive and flame/fire retardant of grade V2 or better. The test certificate should be for the particular proposed model and should clearly state the container FR grade.
Battery batch no.	The batch number of all batteries should be same and the batch should not be older than 3 months from the date of order.
No. of cycles at 30% DOD	1400 or more
Lead quality	99.999% pure lead used for manufacturing

**Note:** Make and model of the proposed product should be clearly mentioned and technical brochure of the **exact proposed product only** should be provided in the tender. General brochure for the series of the products will not be acceptable.

**DETAILS OF CURRENTLY INSTALLED BATTERIES (to be bought back)**

No. of units	80
Make and specifications	ROCKET ESC12-150 12 V / 150 AH SMF VRLA Year of installation: 2010

**\*Note:** The bidders are welcome to make a site inspection to see the rack sizes, the status of battery interconnection cables and lugs and the condition of the installed batteries.

*M. S. S.*  
15/4/2022

## FORMAT OF FINANCIAL BID

Item	Qty	Unit Price	Amount
Supply, Installation, Testing and commissioning of sealed maintenance free batteries conforming to the technical specifications given	80 <b>Make:</b> <b>Model:</b>		
Add Taxes/duties (use separate row for each)			
<b>Total Amount</b>			
Less buy back price of old batteries	80		
<b>Net Amount</b>			

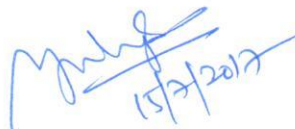
Note:

1. IIT Kanpur is exempted from excise duty
2. IIT Kanpur is partially exempted from custom duty. Custom duty applicable to IIT Kanpur is 5.15%
3. Please mention all taxes/duties clearly
4. Delivery must be completed within 8 weeks of placing the order.

## PAYMENT TERMS

70% payment will be made on delivery. Remaining 30% payment will be made after successful installation, testing and commissioning is done and the old batteries are disposed of in an environment friendly way and a certificate by competent authority (pollution control board certified disposal authority) is produced verifying the disposal.

--End of Document--



Handwritten signature and date: 15/7/2017