



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)

16 June 2016

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

Computer Centre, IIT Kanpur, has 4x300 KVA UPS units installed and running for providing uninterrupted power to its data centers.

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/09/176
<b>Posting Date</b>	16 June 2016
<b>Last Date and time of submission</b>	07 July 2016, 5 PM
<b>Date of opening of Technical Bid</b>	08 July 2016, 4 PM
<b>Date of opening of financial bids for technically qualified bidders</b>	11 July 2016, 4 PM (tentative)
<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>	7

  
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### **3. Submission of Bids / Opening of Bids:**

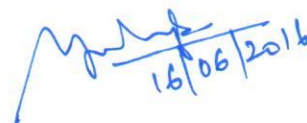
- a) The first envelope shall be marked with the name of work and the words "TECHNICAL BID" in capital letters. The first envelope shall be opened on the date of opening of tender. The bidder should specifically provide full technical details of the service offered and also shall provide full details of deviation they intend to make, if any, from the technical specifications. The technical bid should contain all other documentation e.g., authorization, certifications etc. except the price details. No price details shall be given in this envelope. Violation to this would summarily result in invalidation of bid.
- b) The second envelope shall be marked with the name of work and the words "PRICE BID (FINANCIAL BID)" in capital letters. It shall contain full details of the price & commercial conditions. Any deviation from our standard conditions shall be specifically spelt out.
- c) Any deviation or shortcoming e.g. Technical or Commercial terms and conditions shall be specifically indicated in the Technical Bid itself. Silence or use of the word "Noted" against any of the Bid conditions shall mean that the bidder agrees to comply with that/those conditions of Bid.
- d) Any additional information should be enclosed separately and referred to in the relevant column of the bid form. All relevant product literature must be enclosed with the bid
- e) Late bids will be rejected.
- f) No modification to the bids shall be allowed after the deadline for submission.
- g) Full contact details of the bidder including telephone no., mobile number and email address should be provided

### **4. Clarification of Bids:**

To assist the examination, evaluation and comparison of bids, the Institute may, at its discretion, ask the bidder for clarification of its bid. The request for clarification and the response shall be in writing.

### **5. Evaluation of Bids:**

Evaluation of bids shall be done based on the information furnished by the bidder. The conformity of the bids to the technical specifications and commercial terms and conditions shall be examined. Responsiveness of the bid shall be determined based on the technical and financial capability of the bidder to execute the work.

A handwritten signature in blue ink, followed by a horizontal line and the date "16/06/2016" written below it.

- a. Institute may contact and verify bidder's information, references and data submitted in the bid without further information to the bidders.
- b. Institute reserves the right to use and interpret the bids as it may, in its discretion, consider appropriate, when selecting bidders for granting of the letter of intent/ Notification of Award of contract
- c. Institute, in its own discretion, may waive off any minor infirmity or non-conformity or irregularity in a bid, which does not constitute a significant deviation.
- d. The Institute may seek clarification in writing from the bidder by email/fax. Bidder shall promptly reply by email/fax within the time limit specified in the clarification letter from the Institute

#### **Evaluation of Technical Bids**

The technical bids will be evaluated by the committee appointed by the Institute.

#### **Evaluation of Price Bids**


Price bid of a bidder will be opened and included in the comparative statement only if the technical bid is in order and found to be adequately compliant. The total cost quoted by the bidders shall be deemed to be inclusive of all applicable taxes as on date.

#### **6. Institute's right to accept or reject any or all bids:**

The Institute reserves the right to accept or reject any bid and to annul the bidding process and reject all the bids at any time prior to the award of contract, without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the grounds for the Institute's action. All the bids in which any of the prescribed conditions are not fulfilled or are incomplete in any respect are liable to be rejected.

#### **7. 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 600KVA or an authorized distributor and service provider of the same.

  
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- 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.
- 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 bidder during the last three years should not be less than Rs.50 Crores.

#### **SCOPE OF WORK**

- i) Currently available battery rack dimension is 31 inch (L) x 19 inch (W) x 85 inch (H). There are total 19 racks.
- ii) The bidder has to supply the required number of batteries as given in specifications after conducting battery balancing procedure at warehouse before the dispatch.
- iii) The installation of the batteries within prescribed SLA and in presence of qualified technical expert is to be carried out by the bidder.
- iv) 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 3 months for the batteries either independently or coordinating the timing with preventive maintenance by the UPS vendor **even after the warranty period is over**. There should not be any case of "passing the ball" to the other's court between the battery vendor and UPS vendor.
- v) There are 4 UPS units operating in parallel with one unit as hot redundant. The bidder has to remove the old batteries and replace them with new ones for one UPS at a time **without interrupting** the UPS power supply to data centers.
- vi) 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
- vii) During warranty period any defective battery should be replaced by new battery of the same make and model. Defective battery should not be replaced by an old working battery. **During the replacement, the battery balancing operation on the whole bank is to be executed by the vendor.**

  
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## TECHNICAL SPECIFICATIONS

**Requirement Units:** Each of the 4 x 300 KVA UPS has 3 banks of 43 No. 150 AH batteries. So in total for all the 4 UPS units  $4 \times (3 \times 43) = 516$  units of 12 V, 150 AH SMF VRLA batteries are required.

Specification	Requirement
Type	SMF VRLA
Mounting	Existing racks: 19 Nos of 31 inch (L)x 19 inch (W) x 85 inch (H). 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. 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
Design life	6 years at 25 °C @ 0.25 CA or better
Float life	10 years or more at 20 °C
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
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	1800 or more
Lead quality	99.999% pure lead used for manufacturing

*M. S.*  
16/06/2016

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

No. of units	516
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.

**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	516		
Add Taxes/duties (use separate row for each)			
<b>Total Amount</b>			
Less buy back price of old batteries	516		
<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.

  
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**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.

  
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