

TENDER

For Supply, Installation and maintenance of

**2 x 20 KVA online UPS with batteries
&
26 x 3 KVA online UPS with batteries**

in

IIT(BHU), Varanasi

Tender No.: IIT(BHU)/IPCell/2017-18/UPS/144

Tender Date: 23.05.2017

Last Date of Submission: 13.06.2017



**Indian Institute of Technology
(Banaras Hindu University)
Varanasi-221005**

E-mail: chair.lan@iitbhu.ac.in



**Advertised Tender Enquiry Documents
(NOTICE INVITING TENDER)**

On behalf of the Director, IIT (BHU) Varanasi, sealed tenders are invited from the OEM or their authorised dealers, to quote in response to this NIT of the following items:

Sl. No	Tender no.	Specifications & quantity of the item	Earnest Money Deposit (EMD)
1.	IIT(BHU)/IP Cell/2017-18/UPS/144 dated 23.05.2017	<p>Name of the Project:</p> <p>A. 2 x 20 KVA online UPS with batteries B. 26 x 3 KVA online UPS with batteries (To be installed with Network Switches of Institute LAN)</p> <p>TECHNICAL BID (MUST be submitted in a separate SEALED envelope Super-scribed as TECHNICAL BID)</p> <p>Project Specification</p> <p>1. Technical Specifications : As per Annexure – A</p> <p>PRICE BID MUST be submitted in a separate SEALED envelopes Super-scribed as</p> <p>2. Price Bid As per Annexure – B</p>	Rs. 50,000/-

The Indian Institute of Technology (Banaras Hindu University) Varanasi is in the process of implementing the wired and wireless campus wide local area network (LAN) for its departments, offices, hostels and other units of the institute. The Institute intends to procure UPS systems for the network switches, servers and other active devices. The services will include the supply, installation, commissioning and management of UPS(s) through SNMP using network.

The Tender Documents for items will be on two-Bid System consisting of Technical Bid and

Price Bid. The Tender Documents will be submitted item-wise in two separate sealed covers viz. Technical bid and Financial bid clearly mentioning on the envelope the details of items for which bid is submitted.

The Technical bid should contain all technical details and required documents including completed technical compliance sheets. It should contain un-priced bid along with the terms and conditions. This envelope should be marked as “Technical-Bid”. The Bidder should submit the Price Bid in separate sealed envelopes. The prices should not be quoted in **Technical Bids**. The bids should be signed on all the pages by the authorized signatory of Bidders and should bear his/her name, position and seal.

The Tender Document (non-transferable) along with detailed specifications, terms and conditions may be downloaded from the Institute website ([www.iitbhu.ac.in/iitnotifications/purchase enquiries/](http://www.iitbhu.ac.in/iitnotifications/purchase_enquiries/)) or from Central Public Procurement Portal (CPPP) by the interested supplier along with payment of non-refundable Tender price as mentioned below. The Tender price may be paid in the form of Bank Draft drawn in favour of Registrar, IIT (BHU) payable at Varanasi.

a) Price of Tender Document (Non-refundable): **Rs. 2000/-** (Rupees Two Thousand Only)

b) Last date and time for receipt of Tender Document: **June 13, 2017 (up to 13:00 Hrs.)**.

The tender should be addressed to **The Registrar, IIT (BHU), Varanasi**, and should be delivered in person or sent by registered post / courier so as to reach the institute on / before the last date up-to 13:00 Hrs. No tender will be accepted after the due date and time.

- c) The tender will be opened on **13.06.2017 at 15:30 Hours** in the office of the **Head, Department of Electronics Engineering, IIT(BHU), Varanasi-221005**. All Tender Documents must be accompanied by the Bid Security / Earnest Money Deposit (Refundable) of **Rs. 50,000/-(Rupees Fifty thousand only)**. The Earnest Money Deposit is to be paid in the form of Bank Draft in favour of the Registrar, IIT (BHU) payable at Varanasi. **The Bid Security / Earnest Money Deposit Bank Draft must be enclosed with Technical Bid in a separate sealed envelope**. The details of Bank Draft of Earnest Money Deposit must be endorsed on top of envelope containing Technical Bid.

The Institute shall not be responsible for any delay in receiving Bids/sending of Tender Document by post.

The Institute reserves the right to accept or reject any bid, without assigning any reason thereof. No correspondence in this regard will be entertained.

Earnest Money shall be forfeited in case it is found at any stage that information/particulars regarding supply of tendered item (s) is false.

Sd-
(Chairman)
Institute Networking Committee



Tender for Supply, Installation and maintenance of 2 x 20 KVA online UPS with batteries & 26x 3 KVA online UPS with batteries

IMPORTANT DATES

BID REFERENCE	IIT(BHU)/IPCell/2017-18/UPS/144 Dated : May 23 rd , 2017
DATE OF COMMENCEMENT OF BIDDING	May 23 rd , 2017
DATE TIME & VENUE OF PRE-BID MEETING	May 30 th , 2017 at 14:30 Hrs in the Chamber of the Head, Department of Electronics Engineering, IIT(BHU), Varanasi-221005
ISSUE OF CORRIGENDUM, IF ANY	31.05.2017
LAST DATE AND TIME FOR RECEIPT OF BIDS	June 13 th , 2017 (up to 13:00 Hrs)
ADDRESS FOR COMMUNICATION	The Registrar, Indian Institute of Technology (Banaras Hindu University) Varanasi – 221 005, U.P., INDIA ENVELOPE MUST BE SUPER SCRIBED AS “TENDER FOR ONLINE UPS”
DATE, TIME & VENUE OF BID OPENING	13.06.2017 at 15:30 Hours Venue: Chamber of the Head, Department of Electronics Engineering, IIT(BHU), Varanasi-221005

IMPORTANT NOTE:

1. All the interested bidders are requested to send their queries/representation with proper justification, if any, through e-mail on chair.lan@iitbhu.ac.in before one day of Pre-Bid Meeting. **No queries/representations will be accepted after Pre Bid Meeting.** The Institute decision in this regard will be final.
2. The bidder have to submit all the required supporting documents regarding essential pre-bid criteria alongwith their bid, failing which their bid shall not be considered for technical evaluation.



INVITATION FOR BIDS

1. Sealed bids in two parts (techno commercial un-priced & Priced bids) are invited from eligible bidders for the following

Sl. No.	Tender no.	Specifications & quantity of the item	Earnest Money Deposit (EMD)
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2. Interested eligible Bidders may obtain further information from **The Head, Department of Electronics Engineering, Indian Institute of Technology (Banaras Hindu University), Varanasi – 221 005, U.P., INDIA** or on **IIT (BHU) website: www.iitbhu.ac.in/iitnotifications/purchase_enquiries/**

3. Each set of bidding document can be **downloaded from the Institute website** by any interested eligible bidder on payment of the cost of tender document. The cost of bidding documents as indicated above should be submitted in the form of a Demand Draft in favour of the Registrar IIT (BHU) payable at Varanasi.

4. All bids must be accompanied by earnest money deposit as specified above and must be delivered to the **Registrar IIT (BHU), Varanasi office up-to 13.00 Hrs of the last date of receiving the tender**

document as specified.

5. The Institute reserves the right to accept or reject any or all tenders either in part or in full without assigning any reasons thereof.

6. This Tender Document contains the following:

- A. Instructions to Bidders
- B. General conditions of contract (GCC)
- C. Tender form (Techno commercial un-priced Bid)
- D. Tender form (priced Bid)
- E. Check-list for Bid/Tender submission
- F. Declaration Certificate
- G. Technical specifications for the complete project

INSTRUCTIONS TO BIDDERS

A. Introduction

1. Minimum Qualification for Eligible Bidders

1.1 Essential Pre Bid Criteria for Eligible Bidder

- 1) Only OEMs or their Authorized dealer will be eligible to quote (excluding batteries) against this tender. In case of Authorized dealer a certificate of authorization from OEM for this tender must be enclosed with tender document by clearly mentioning the reference no. of this tender.
- 2) Bidder must have executed similar kind of work in any IITs/Govt. Educational Institutions/PSUs within last 5 years. *[proof of successful work completion (certificate from concerned IITs/Govt. Educational Institutions/PSUs) is to be attached alongwith corresponding Purchase order copy]*
- 3) Quoted OEM must have Authorized service centre in Varanasi.
- 4) The Annual Turnover of quoted OEM must be above Rs. 50 crore during last 3 financial year.
- 5) The Annual Turnover in case of Authorized Dealer must be above Rs. 5 crore during last 3 financial year. However, their quoted OEMs Annual Turnover must be in accordance with point no. 4 as above.

NOTE: THE BID OF THOSE BIDDERS WHO FAILS TO COMPLY THE ABOVE ESSENTIAL CRITERIA WILL NOT BE CONSIDERED FOR TECHNICAL EVALUATION.

1.2 Copies of valid Central/State VAT registration certificate, Service Tax Registration, Income tax clearance certificate, proof of manufacturing unit / dealership have to be submitted.

2. Cost of Bidding

The Bidder shall bear all costs associated with the preparation and submission of its bid, and "the Purchaser", will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.

B. The Bidding Documents

3. Cost of Bidding Documents

Interested eligible bidders may download the bidding documents from the Institute website or from Central Public Procurement Portal (CPPP) as indicated in the invitation for bids. The cost of bidding documents should be submitted in the form of a Demand Draft for Rs.2000/- drawn in favour of the Registrar, IIT (BHU) payable at Varanasi.

4. Content of Bidding Documents

4.1 The goods required, bidding procedures and contract terms are prescribed in the bidding documents. In addition to the Invitation for Bids, the bidding documents include:

- (a) Instruction to Bidders (ITB);
- (b) General Conditions of Contract (GCC);
- (c) Schedule of requirements (As per Annexure A);
- (d) Tender form (technical bid).
- (e) Tender form (financial bid)

4.2 The Bidder is expected to examine all instructions, forms, terms, and specifications in the bidding documents. Failure to furnish all information required by the bidding documents or submission of a bid not substantially responsive to the bidding documents in every respect will be at the Bidder's risk and may result in rejection of its bid.

5. Amendment of Bidding Documents

5.1 At any time prior to the deadline for submission of bids, the Purchaser may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the bidding documents by amendment.

5.2 All prospective bidders who have received the bidding documents will be notified of the amendment in writing, which will be binding on them.

5.3 In order to allow prospective bidders reasonable time within which to take the amendment into account in preparing their bids, the Purchaser, at its discretion, may extend the deadline for the submission of bids.

C. Preparation of Bids

6. Language of Bid

The bid prepared by the Bidder, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Purchaser shall be written in English language.

7. Documents Comprising the Bid

7. Techno commercial un-priced bid and priced Bids: The bids are to be submitted in two parts in separate sealed envelopes by mentioning i.e. Techno commercial un-priced bid and priced Bids.

- (a) Techno commercial un-priced bid along with Earnest Money Deposit (EMD) as shown in invitation to bids shall be submitted in the form of a demand draft of Nationalised Bank drawn in favour of the Registrar, IIT (BHU) payable at Varanasi. If the EMD is not received

along with the technical bid, such bid will not be considered. The samples (if required) of all the items shown in the schedule of requirements of each tender should also accompany the techno commercial un-priced bid in a separate sealed envelope.

(b) Priced bid.

7.2 Techno commercial un-priced bid: The Techno commercial un-priced bid prepared by the bidder shall be provided in the following Model Response format:

Model Response format

- (a) Standing of each Bidder Manufacturer/Dealer and past experience in supply of the material (certificates to be enclosed), proof of manufacturing Unit/Dealership alongwith all the documents required for proving the credentials regarding the fulfilment of essential pre-bid criteria.
- (b) List of other Govt. Departments, Public Sector units and Central Autonomous Bodies for which the bidder is supplying material or having the similar type of contracts and a certificate regarding the satisfactory performance of the contract.
- (c) Copy of the audited balance sheet of the vendor for the previous financial year indicating the turnover in supply of the relevant materials/service.
- (d) Details of Permanent Account Number and latest income tax clearance certificate.
- (e) Details of S.T. No. along with a copy of certificate to be attached.
- (f) Submission of samples if required, for all items indicated in the schedule of requirements. The make of items proposed to be supplied should be indicated in the format of the schedule of requirements and submitted along with the techno commercial un-priced bid without indicating the pricing components.
- (g) Willingness to execute all orders which are placed to meet emergency requirement on priority basis. The Bidder shall note that standards for workmanship, material and equipment, and references to brand names designated by the Purchaser in the schedule of requirements are intended to be descriptive only and not restrictive. The Bidder may substitute alternative standards, brand names and/or catalogue numbers in his bid, provided that it demonstrates to the Purchaser's satisfaction that the substitutions ensure substantial equivalence to those designated in the Technical Specifications.

7.3 Priced Bid

The priced bid shall comprise the techno commercial bid along with the price component indicating the Unit prices for each and every item indicated in the schedule of requirements.

- (a) The prices quoted must be net per unit as shown in the Schedule and must include all charges for delivery at the designated stores.
- (b) The rate must be stated for each item separately both in words and figures. If there is a discrepancy between the price quoted in word and figures the higher price quoted will be treated as final.
- (c) The price quoted by the tenderer should be exclusive of Excise Duty & Sales Tax. However, the Excise Duty & Sales Tax payable should be quoted separately in the schedule enclosed. The Institute will provide the valid exemption certificate.

- (d) Quoted prices should be firm and inclusive of octroi, freight and forwarding charges, handling charges, loading and unloading charges, and insurance charges etc.
- (e) The prices once accepted by the Institute shall remain valid till the successful execution of the order and till supplies is fully effected and accepted or 12 months from the date of acceptance of tender whichever is later. The Institute shall not entertain any increase in the rates during the period. However, in the event there is a reduction or increase in Government levy/duties during the period of execution of the order, the rates shall be suitably adjusted with effect from the date notifying the said reduction or increase in the Government levy/excise duty.

NOTE

1. THE TWO BIDS (BOTH TECHNO COMMERCIAL UNPRICED BID) ALONG WITH EARNEST MONEY DEPOSIT (EMD) AND THE PRICED BID SHOULD BE SUBMITTED SEPARATELY FOR FULL PROJECT.

2. CONDITIONAL BIDS WILL NOT BE ACCEPTED

8. Bid Prices

8.1 The Bidder shall indicate on the Schedule of requirements, the unit prices of the goods it proposes to supply under the Contract and enclose it with the priced bid.

8.2 Prices indicated on the Price Schedule shall be entered separately in the following manner:

- (i) The prices quoted must be net per unit as shown in the schedule of requirements and must include all charges for delivery at the designated stores.
- (ii) Any Indian duties, VAT / Sales and other taxes which will be payable on the goods if this Contract is awarded;

8.3 Prices quoted by the Bidder shall be fixed during the Bidder's performance of the Contract and not subject to variation on any account.

9. Bid Currencies

Prices shall be quoted in Indian Rupees only.

10. Period of Validity of Bids

10.1 Bids shall remain valid for **180** days after the date of bid opening prescribed by the Purchaser. A bid valid for a shorter period shall be rejected by the Purchaser as non-responsive.

10.2 In exceptional circumstances, the Purchaser may solicit the Bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. A Bidder may refuse the request without forfeiting its EMD. A Bidder granting the request will not be required nor permitted to modify the bid.

10.3 Bid evaluation will be based on the bid prices without taking into consideration the above modifications.

D. Submission of Bids

11. Sealing and Marking of Bids

11.1 The outer envelope containing Techno commercial un-priced bid along with EMD, and priced bid shall be addressed to The Registrar, Indian Institute of Technology (Banaras Hindu University), Varanasi – 221 005, **U.P.,INDIA** and shall indicate tender number and due date.

11.2 The inner envelope shall indicate the name and address of the bidder, tender number due date

and contents i.e. “Techno commercial un-priced bid along with EMD” and “Priced bid”.

11.3 If the outer envelope is not sealed and marked as required, the Purchaser will assume no responsibility for the bid's misplacement or premature opening.

12. Deadline for Submission of Bids

12.1 Bids must be received by the Purchaser at the address specified not later than the time and date specified in the Invitation for Bids. In the event of the specified date for the submission of Bids being declared a holiday for the Purchaser, the Bids will be received up-to the appointed time on the next working day.

12.2 The Purchaser may, at his discretion, extend this deadline for submission of bids by amending the bid documents in which case all rights and obligations of the Purchaser and Bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

13. Late/Delayed Bids

Any bid received by the Purchaser after the deadline for submission of bids prescribed by the Purchaser, pursuant to Clause 5 of invitation of bids will be rejected and/or returned unopened to the Bidder.

14. Modifications and Withdrawal of Bids

14.1 The Bidder may modify or withdraw its bid after the bid's submission, provided that written notice of the modification or withdrawal is received by the Purchaser prior to the deadline prescribed for submission of bids.

14.2 The Bidder's modification or withdrawal notice shall be prepared, marked and dispatched in a sealed envelope. A withdrawal notice may also be sent by telex or cable or fax but followed by a signed confirmation copy, post marked not later than the deadline for submission of bids.

14.3 No bid may be modified subsequent to the deadline for submission of bids. No documents will be accepted in support of essential pre-bid criteria after the last date of submission of bids.

14.4 No bid may be withdrawn in the interval between the deadline for submission of bids and the expiry of the period of bid validity specified by the Bidder on the bid form. Withdrawal of a bid during this interval may result in the Bidder's forfeiture of its EMD.

E. Bid Opening and Evaluation of Bids

15. Opening of Techno commercial un-priced Bids

The purchaser will open all techno commercial un-priced bids in the first instance.

16. Clarification of Bids

16.1 During evaluation of the bids, the purchaser may, at its discretion, ask the Bidder for clarification of its bid. The request for clarification and the response shall be in writing and no change in price or substance of the bid shall be sought, offered or permitted.

16.2 No Bidder shall contact the purchaser on any matter relating to its bid from the time of the bid opening to the time the contract is awarded. If the Bidder wishes to bring additional information to the notice of the Institute it should be done in writing.

16.3 Any effort by a Bidder to influence the purchaser in its decisions on bid evaluation, bid

comparison or contract award decisions may result in rejection of the Bidder's bid.

17. Evaluation of Techno commercial un-priced Bid

17.1 Prior to the detailed technical evaluation, the purchaser will determine the substantial responsiveness of each bid. A substantially responsive bid is one, which conforms to all the terms and conditions of the Bidding Documents without material deviations and meets all the essential pre-bid criteria. If any bidder does not meet the essential pre-bid criteria as laid down in the Instruction to Bidders, then his bid will be summarily rejected. No documents will be accepted in support of essential pre-bid criteria after the last date of submission of bids.

17.2 The purchaser will reject a bid determined as not substantially responsive.

17.3 The bidders may be called for discussion and may be allowed to modify their technical bids to suit the organization's requirement. The idea is to arrive at a threshold level of acceptability above which all the bidders shall be treated on par. Those whose technical specifications do not reach the threshold level of acceptability shall be rejected as technically unsuitable. The price bids of the bidders who finally emerge as technically acceptable shall be opened, evaluated and the contract awarded to the lowest evaluated bidder.

17.4 The bidders short-listed by the purchaser based on meeting the essential pre-bid criteria and detailed evaluation regarding satisfying the technical criteria laid down in this tender document may be called for detailed discussions with a team selected for the purpose, at a specified date, time and venue, if needed.

18. Opening of Priced Bids

18.1 The Purchaser will open the Priced Bids of only those bidders who meet the essential pre-bid criteria and whose techno commercial un-priced bids have been found to be substantially responsive.

18.2 The priced Bids of the technically qualified bidders shall be opened by the tender committee.

19. Evaluation and Comparison of priced Bids

19.1 Arithmetical errors will be rectified on the following basis: If there is a discrepancy between words and figures, whichever is the higher of the two shall be taken as bid price. If the Vendor does not accept the correction of errors, its bid will be rejected

19.2 Bidders shall state their bid price for the payment schedule outlined in the Clause 14 of General Conditions of Contract. Bids will be evaluated on the basis of this base price. Bidders are, however, permitted to state an alternative payment schedule and indicate the reduction in bid price they wish to offer for such alternative payment schedule. The purchaser may consider the alternative payment schedule offered by the selected Bidder but it may not be binding on the purchaser.

19.3 The purchaser, at its option may ask some more bidders to match the rates of the lowest bidder for creating parallel suppliers.

20. Purchasers right to accept any bid and to reject any bid or all bids

The Purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to 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 Purchaser's action.

21 Award Criteria

Subject to Clause 19, the purchaser will award the Contract to the successful Bidder whose bid has

been determined to be substantially responsive and has been determined as the best evaluated bid provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily.

22. Notification of Award

Prior to the expiration of the period validity, the purchaser will notify the successful Bidder in writing by letter or by fax, to be confirmed in writing by speed post or hand delivered letter, that its bid has been accepted.

23. Factors Affecting the Award of Supply

23.1 The bidder should have its own Contract support facilities. The support facilities should be fully owned and managed by the bidder.

23.2 Conformity with the Request for Bid/Tender required and conditions.

23.3 The assessment based on the response to Model Response Outline.

23.4 The assessment of the capability of the bidder to meet the terms and conditions.

23.5 The bidders must have executed similar orders, for which the bidder is quoting, as indicated in clause 1 for Govt./Semi-Govt./Autonomous Organizations.

23.6 The cost and the discount offered, if any.

24. Fall clause

24.1 The price quoted by the supplier should not be higher than the maximum retail price, if any, for the stores and the same shall not be higher than the price usually charged by the supplier for stores of the same nature, class or description to any other purchaser.

24.2 The price charged for the stores supplied under the contract by the supplier shall in no event exceed the lowest price at which the supplier sells the stores of identical description to any other person during the period till performance of all supply orders placed during the currency of the contract is completed. If at any time during the period the supplier reduces the sale price of such stores or sells such stores to any other person including his dealers at a price lower than the price chargeable under the contract, he shall forthwith notify such reduction or sale to the purchaser and the price payable under the contract for these items of stores supplied after the date of coming into force of such reduction or sale shall stand correspondingly reduced.

24.3 If it is discovered that the supplier has contravened the above conditions, then without prejudice to any other action which might be taken against him, it shall be lawful for the purchaser to (a) revise the price at any stage so as to bring it in conformity with sub-clause(i) above, or (b) to terminate the contract and purchase the items of stores at the risk and cost of the supplier and in that event the provisions of Clause 28 of General Conditions of Contract shall, as far as possible, be applicable or recover the loss.

GENERAL CONDITIONS OF CONTRACT (GCC)

1. Definitions

In this Contract, the following terms shall be interpreted as indicated:

- (a) "The order" means the agreement entered into between the Purchaser and the Supplier including all the attachments and appendices and all documents incorporated as per notification of award.
- (b) "The Contract Price" means the price payable to the Supplier under the Contract for the full and proper performance of its contractual obligations;
- (c) "The Goods" means all the items, which the Supplier is required to supply to the Purchaser under the Contract;
- (d) "Services" means services ancillary to the supply of the Goods, such as transportation and insurance, and any other incidental services training and other obligations of the Supplier covered under the Contract;
- (e) "GCC" means the General Conditions of Contract contained in this section.
- (f) "The Purchaser" means the organization purchasing the Goods i.e. IIT (BHU), VARANASI.
- (g) "The Purchaser's country" is India.
- (h) "The Supplier" means the individual or firm supplying the Goods and Services under this Contract.
- (i) "Day" means calendar day.

2. Application

These General Conditions shall apply to the extent that they are not superseded by provisions in other parts of the Contract.

3. Standards

The Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications, and, when no applicable standard is mentioned, to the authoritative standard appropriate to the Goods' country of origin and such standards shall be the latest issued by the concerned Institution.

4. Use of Contract Documents and Information

- 4.1** The Supplier shall not, without the Purchaser's prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample or information furnished by or on behalf of the Purchaser in connection therewith, to any person other than a person employed by the Supplier in performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.
- 4.2** The Supplier shall not, without the Purchaser's prior written consent, make use of any document or information except for purposes of performing the Contract.
- 4.3** Any document, other than the Contract itself, shall remain the property of the Purchaser and shall be returned (in all copies) to the Purchaser on completion of the Supplier's performance under the Contract if so required by the Purchaser.

5. Patent Rights

The Supplier shall indemnify the Purchaser against all third-party claims of infringement of patent, trademark or industrial design rights arising from use of the Goods or any part thereof in India.

6. Submission of the bids

- 6.1** All bids complete in all respect must reach the purchaser within the last date and time of receipt of bid. No extension shall be allowed for any reason what so ever. Late tenders/delayed bids and tenders received without earnest money etc. shall be rejected.
- 6.2** Tender documents are available for sale with the purchaser. Interested bidders may purchase the tender documents on payment of the cost there of. The purchaser shall not be liable for either non-receipt of the tender document or for delay in receipt of tender document.

7. Inspections and Tests

- 7.1** The Purchaser or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract specifications at no extra cost to the Purchaser.
- 7.2** The inspections and tests may be conducted on the premises of the Supplier or its subcontractor(s), at point of delivery and/or at the Goods final destination. If conducted on the premises of the Supplier or its subcontractor(s), all reasonable facilities and assistance, including access to drawings and production data shall be furnished to the inspectors at no charge to the Purchaser.
- 7.3** Should any inspected or tested Goods fail to conform to the specifications, the Purchaser may reject the goods and the Supplier shall either replace the rejected Goods or make alterations necessary to meet specification requirements free of cost to the Purchaser.
- 7.4** The Purchaser's right to inspect, test and, where necessary, reject the Goods after the Goods' arrival at Project Site shall in no way be limited or waived by reason of the Goods having previously been inspected, tested and passed by the Purchaser or its representative prior to the Goods shipment.
- 7.5** Nothing in GCC Clause 7 shall in any way release the Supplier from any warranty or other obligations under this Contract.

8. Consequences of rejection

If in the event the stores are rejected by the purchaser at the destination and the supplier fails to make satisfactory supplies within the stipulated period of delivery, the purchaser will be at liberty to:

- (a)** Allow the supplier to resubmit the stores in replacement of those rejected, within a specified time without any extra cost to the purchaser or
- (b)** Reject the material, which shall be final and binding on the contractor.
- (c)** Procure the rejected materials of comparable quality from the open market/Govt. stores and the supplier shall be liable to pay the difference in price over the RC prices or get the amount adjusted from the outstanding bills of the supplier, if any or EMD.

9. Packing

- 9.1** The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination as indicated in the Contract. The

packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.

- 9.2 The packing, marking and documentation within and outside the packages shall comply strictly with such special requirements as shall be provided for in the Contract including additional requirements, in any subsequent instructions ordered by the Purchaser.

10. Delivery and Documents

- 10.1 The Supplier shall make delivery of the Goods within 60 days from the placement of purchase order in pursuance of the notification of award. The purchase order would be placed after assessing the requirements on quarterly basis. However, the supplier shall also arrange to execute all orders on priority basis which would be placed to meet any emergent requirements.
- 10.2 In case the purchaser decides to conclude parallel rate contracts, then the requirements would be split on different firms on equitable basis as per the discretion of the purchaser.
- 10.3 The delivery of Stores shall be affected at the premises of the Institute free of all delivery charges and within the stipulated time and as may be elucidated in the confirmed order, accompanied by a delivery challan. No extension of time for delivery of Stores shall normally be accorded.

Time and date of delivery – the essence of the contract: The time for and the date of delivery of the stores stipulated shall be deemed to be of the essence of the contract and delivery must be completed NOT later than the date(s) specified in Work Schedule (Annexure B).

11. Insurance

The Goods supplied under the Contract shall be fully insured in Indian Rupees against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery. The insurance shall be obtained by the suppliers in an amount equal to 110% of the value of the goods from “warehouse to warehouse” (final destinations) on “all risks” basis including war risks and strikes.

12. Transportation

Where the Supplier is required under the Contract to transport the Goods within India defined as Project site, transport to such place of destination in India including insurance, as shall be specified in the Contract, shall be arranged by the Supplier, and the related cost shall be included in the contract Price.

13. Warranty

- 13.1 The Supplier 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 Supplier further warrants that all Goods supplied under this Contract shall have no defect arising from design, materials or workmanship or from any act or omission of the Supplier that may develop under normal use

of the supplied Goods in the conditions prevailing in India.

13.2 This warranty shall remain valid for at least 36 months (or as specified) after the Goods or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the Contract, unless specified otherwise.

13.3 The Purchaser shall promptly notify the Supplier in writing of any claims arising under this warranty.

13.4 Upon receipt of such notice, the Supplier shall with all reasonable speed, repair or replace the defective Goods or parts thereof, without any extra cost to the Purchaser.

13.5 If the Supplier, having been notified, fails to remedy the defect(s) within a reasonable period, the Purchaser may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.

14. Payment

14.1 The Purchaser will release 100% payment after satisfactory installation and submission of Performance Bank Guarantee.

14.2 The Supplier's request(s) for payment shall be made to the Purchaser in writing, accompanied by an invoice describing, as appropriate, the Goods delivered and the Services performed, and by documents, submitted pursuant to GCC Clause 10, and upon fulfilment of other obligations stipulated in the contract.

15. Prices

The prices charged by the bidder should be inclusive of freight charges, insurance upto IIT (BHU) for supplies of equipment and materials. The applicable road permit (way bill) any other permit/form/exemption certificate shall be provided by Purchaser as and when required.

16. Change Orders

16.1 The Purchaser may at any time, by written order given to the Supplier, make changes within the general scope of the Contract in any one or more of the following:

- (a) Drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser;
- (b) The method of shipping or packing;
- (c) The place of delivery; and/or
- (d) The services to be provided by the Supplier.

16.2 If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or delivery schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this clause must be asserted within thirty (30) days from the date of the Supplier's receipt of the Purchaser's change order.

17. Contract Amendments

Subject to GCC Clause 16, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

18. Assignment

The Supplier shall not assign, in whole or in part, its obligations to perform under the Contract, except with the Purchaser's prior written consent.

19. Subcontracts

The Supplier shall notify the Purchaser in writing of all subcontracts awarded under this Contract if not already specified in the bid. Such notification, in his original bid or later, shall not relieve the Supplier from any liability or obligation under the Contract.

20. Delays in the Supplier's Performance

- 20.1** Delivery of the Goods and performance of the Services shall be made by the Supplier in accordance with the time schedule specified by the Purchaser as per GCC clause 10.
- 20.2** If at any time during performance of the Contract, the Supplier or its sub-contractor(s) should encounter conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify the Purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may, at its discretion, extend the Supplier's time for performance with or without liquidated damages, in which case the extension shall be ratified by the parties by amendment of the Contract.
- 20.3** Except as provided under GCC Clause 23, a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of penalty pursuant to GCC Clause 21, unless an extension of time is agreed upon pursuant to GCC Clause 20.2 without the application of liquidated damages.

21. Penalty

Subject to GCC Clause 23, if the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as penalty, **a sum equivalent to 1% of contract price per week or part thereof subject to a and the maximum deduction is 10% of the contract price** of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance. Once the maximum is reached, the Purchaser may consider termination of the Contract pursuant to GCC Clause 22.

22. Termination for Default

- 22.1** The Purchaser may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the Supplier, terminate the Contract in whole or part:
- (a) If the Supplier fails to deliver any or all of the Goods within the period(s) specified in the purchase order, or within any extension thereof granted by the Purchaser pursuant to GCC Clause 20; or
 - (b) If the Supplier fails to perform any other obligation(s) under the Contract.
 - (c) If the Supplier, in the judgment of the Purchaser has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

‘For the purpose of this Clause:

“Corrupt practice” means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.

“Fraudulent practice: a misrepresentation of facts in order to influence a procurement process or

the execution of a contract to the detriment of the Borrower, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition;”

22.2 In the event the Purchaser terminates the Contract in whole or in part, pursuant to GCC Clause 22.1, the Purchaser may procure, upon such terms and in such manner as it deems appropriate, Goods or Services similar to those undelivered, and the Supplier shall be liable to the Purchaser for any excess costs for such similar Goods or Services. However, the Supplier shall continue the performance of the Contract to the extent not terminated.

23. Force Majeure

23.1 Notwithstanding the provisions of GCC Clauses 20 & 21, the Supplier shall not be liable for imposition of liquidated damages or termination for default, if and to the extent that, its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

23.2 For purposes of this Clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not limited to, acts of the Purchaser either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.

23.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such conditions and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

24. Termination for Insolvency

The Purchaser may at any time terminate the Contract by giving written notice to the Supplier, if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy, which has accrued or will accrue thereafter to the Purchaser.

25. Termination for Convenience

25.1 The Purchaser, by written notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.

25.2 The Goods that are complete and ready for shipment within 30 days after the Supplier's receipt of notice of termination shall be accepted by the Purchaser at the Contract terms and prices.

26. Resolution of Disputes

26.1 The Purchaser and the supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.

26.2 If, after thirty (30) days from the commencement of such informal negotiations, the Purchaser and the Supplier have been unable to resolve amicably a Contract dispute, either

party may require that the dispute be referred for resolution to the formal mechanisms as specified below. These mechanisms may include, but are not limited to, conciliation mediated by a third party, adjudication in an agreed national or international forum, and national or international arbitration.

26.3 In case of Dispute or difference arising between the Purchaser and a supplier relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in accordance with the Arbitration and Conciliation Act, 1996.

27. Governing Language

The contract shall be written in English language. Subject to GCC Clause 28, English language version of the Contract shall govern its interpretation. All correspondence and other documents pertaining to the Contract which are exchanged by the parties shall be written in the same language.

28. Applicable Law

28.1 The contract shall be governed by the Law of Contract for the time being in force.

28.2 Irrespective of the place of delivery, the place of performance or place of payment under the contract, the contract shall be deemed to have been made at the place from which the acceptance of tender has been issued.

28.3 Jurisdiction of Courts: The courts of the place from where the acceptance of tender has been issued shall alone have jurisdiction to decide any dispute arising out of or in respect of this contract.

28.4 One month notice will be given by either party for termination of Contract during the tenure of Contract for breach of Clause or otherwise.

29. Taxes and Duties

Suppliers shall be entirely responsible for all taxes, duties, license fees, octroi, road permits, etc., incurred until delivery of the contracted Goods to the Purchaser.

30. Performance Security:

- (i) Successful bidder have to furnish 5% of the order value as a performance security in the shape of Fixed Deposit Receipt / Bank Guarantee in favour of the Registrar, Indian Institute of Technology (BHU) for a period of 60 days beyond the end of all warranty period / obligations. Fixed Deposit Receipt / Bank Guarantee should be issued from a schedule bank in India.
- (ii) Earnest Money Deposit will be refunded to the successful bidder on receipt of Performance Security.

31. The Institute Reserves The Right To:

- i.** Increase or decrease the quantity of the item(s) as per requirement.
- ii.** Reject the quotation in absence of not furnishing the documentary evidence in respect of Trade Tax Registration (C.S.T./U.P.T.T/VAT.), Income Tax and Trade Tax clearance certificates together with the performance of supplies in various branches/institutions.
- iii.** Reject the quotation in the event of non-furnishing the authentic documentary evidence in respect of Testing reports / Performance report of the concerned Govt. Organization / Institutions about the prod-

ucts being manufactured and marketed. The performance test of the product can be conducted at Institute level also for which charge will have to be borne by the suppliers.

- iv. Reject the supplies already made, if not found up to the mark. Thorough checking may be adopted to test the correctness of the supply. In such an event further action may call to conform or discard the supply.
- v. To reject any addition/alteration in respect of local dealerships intimated by the Principals after consideration of the case by the committee appointed by the Institute for the purpose.
- vi. The Purchaser may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the Supplier, terminate the Contract in whole or part:
 - (a) If the Supplier fails to deliver any or all of the Goods within the period(s) specified in the purchase order, or within any extension thereof granted by the Purchaser.
 - (b) If the Supplier fails to perform any other obligation(s) under the Contract.
 - (c) If the Supplier, in the judgment of the Purchaser has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

‘For the purpose of this Clause:

“Corrupt practice” means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.

“Fraudulent practice: a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition;”

To reject any or all the offers without assigning any reasons thereof.

All disputes are subject to “*Varanasi Jurisdiction*” only.

The decisions of the Institute in all respect shall be final and binding on all. Kindly note that we attach great significance to the list of the organizations of repute where a firm is on rate contract, therefore please enclose certified photocopies of the rate contract.

Please ensure that your offer is complete in all respect as no further clarifications shall be sought from you and reaches us within the last date mentioned above. **The Institute shall not be responsible for any postal delay / loss in transit etc.**

Please mention our reference number and due date on the sealed envelope, otherwise your quotation may not be entertained.

A checklist (list documents to be attached) with proper signature, seal and date should be enclosed with tender document for verification; otherwise the proposal will not be entertained.

.....
*Indian Institute of Technology,
(Banaras Hindu University)*

NOTE: 1-While arranging the Tender Documents, check list should be placed on TOP

TENDER FORM
(Techno commercial un-priced Bid)
(On the letter head of the firm submitting the bid)

Tender No.....

To

The _____

Dear Sir,

1. I/We hereby offer to supply the items as listed in the schedule to this tender hereto/portion thereof as you may specify in the acceptance of Tender at the price given in the said Schedule and agree to hold this offer open for a period of 180 days from the date of opening of the tender. I/we shall be bound by a communication of acceptance issued by you.

2. I/We have understood the Instruction to bidders and Conditions of Contract in the form as enclosed with the invitation to the tender and have thoroughly examined the specifications quoted in the Schedule hereto and am/are fully aware of the nature of the goods required and my/our offer is to supply the goods strictly in accordance with the specifications and requirements.

3. A crossed Bank Draft in favour of the Registrar, IIT (BHU) for Rs. (Rupees.....only) as Earnest Money is enclosed. The Draft is drawn onBank payable at Varanasi

4. The following have been added to form part of this tender.

- (a) Samples of items quoted for, as per instructions provided in the schedule of requirement.
- (b) Schedule of requirements, quoting the make only duly signed and stamped.(without indicating price)
- (c) Income Tax clearance certificate.
- (d) Copy of last audited balance sheet.
- (e) Copy of Valid Central/State sales tax registration certificate.
- (f) Copy of relevant major purchase orders valuing more than Rs. 20000/- executed during last two years for Govt. Departments., PSUs & Central Autonomous bodies..
- (g) Proof of manufacturing Unit, dealership certificate/general order suppliers.
- (h) Statement of deviations from financial terms & conditions, if any.
- (i) Any other enclosure. (Please give details)

5. We undertake to execute all orders which have been placed to meet emergent requirements on priority basis.

6. Certified that the bidder is: A sole proprietorship firm and the person signing the bid document is the sole proprietor/constituted attorney of the sole proprietor,

Or

A partnership firm, and the person signing the bid document is a partner of the firm and he has authority to refer to arbitration disputes concerning the business of the partnership by virtue of the partnership agreement/by virtue of general power of attorney.

Or

A company and the person signing the document is the constituted attorney.

(NOTE: Delete whatever is not applicable. All corrections/deletions should invariably be duly attested by the person authorized to sign the bid document).

7. We do hereby undertake that, until a formal notification of award, this bid, together with your written acceptance thereof shall constitute a binding contract between us.

Yours faithfully,
(Signature of bidder)

Dated this day of _____

Address:.....

.....

.....

Telephone: _____

FAX _____

E-mail _____

Company seal

TENDER FORM

(Priced Bid)

(On the letter head of the firm submitting the bid document)

To _____
The _____

Ref: Tender No

Dated :

Sir,

Having examined the bidding documents and having submitted the techno commercial un-priced bid for the same, we, the undersigned, hereby submit the priced bid for supply of goods and services as per the schedule of requirements and in conformity with the said bidding documents.

We hereby offer to supply the Goods/Services at the prices and rates mentioned in the enclosed schedule of requirement.

We do hereby undertake that, in the event of acceptance of our bid, the supply of Goods/Services shall be made as stipulated in the schedule of requirement and that we shall perform all the incidental services.

The prices quoted are inclusive of all charges net F.O.R IIT (BHU), Varanasi. We enclose herewith the complete Financial Bid as required by you. This includes:
Price Schedule as per schedule of requirement.
Statement of deviations from financial terms and conditions.

We agree to abide by our offer for a period of 180 days from the date fixed for opening of the bid documents and that we shall remain bound by a communication of acceptance within that time.

We have carefully read and understood the terms and conditions of the bid document and we do hereby undertake to supply as per these terms and conditions. The Financial Deviations are only those mentioned in the statement of deviations from financial terms and conditions.

Certified that the bidder is:

A sole proprietorship firm and the person signing the bid document is the sole proprietor/ constituted attorney of sole proprietor,

Or

A partnership firm, and the person signing the bid document is a partner of the firm and he has authority to refer to arbitration disputes concerning the business of the partnership by virtue of the partnership agreement/by virtue of general power of attorney,

Or

A company and the person signing the bid document is the constituted attorney.

(NOTE: Delete whatever is not applicable. All corrections/deletions should invariably be duly attested by the person authorised to sign the bid document.)

We do hereby undertake that, until a formal notification of award, this bid, together with your written acceptance thereof, shall constitute a binding contract between us.

Dated this day of _____

Signature of Bidder

Details of enclosures

Full Address:

Telephone No.:

Fax No.

E-mail:

COMPANY SEAL

CHECKLIST FOR BID/TENDER SUBMISSION

The following check-list must be filled in and submitted with the bid document:

- | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 1. Was the bid document issued to you? | Yes/No |
| 2. Have you attached the techno commercial un-priced bid form duly filled in appropriately? | Yes/No |
| 3. Have you attached a copy of a compliance list against the technical specification (for each point)? | Yes/No |
| 4. Have you attached a copy of the last three years audited balance sheet and profit & loss statement of your firm and all the documents required to prove your pre-qualification credentials? | Yes/No |
| 5. Have you attached the details of the income tax clearance certificate, proof of manufacturing unit/ dealership letter and copy of Central/State sales tax registration certificate. | Yes / No |
| 6. Have you attached the copies of relevant work orders from Govt. Deptt. /PSUs and Central Autonomous Bodies. | Yes / No |
| 7. EMD: Have you submitted EMD asked for- | Yes/No |
| 8. Have you enclosed the schedule of requirement indicating the make offered without indicating the pricing components along with the techno commercial un-priced bid. | Yes/No |
| 9. Have you submitted the bids both techno commercial un-priced and priced bid separately for each tender? | Yes/No |
| 10. Have you enclosed the statement of deviations from financial terms and conditions, if any? | Yes/No |
| 11. Have you enclosed compliance statement form? | Yes / No |

Priced Bid:

- | | |
|-----------------------------------------------------------------------|--------|
| 1. Have you signed and attached the priced bid form. | Yes/No |
| 2. Have you attached the schedule of requirements duly priced | Yes/No |
| 3. Have you attached the Declaration / integrity pact (as applicable) | Yes/No |

DECLARATION

1. I, ----- Son /Daughter of Shri -----
----- Proprietor/Partner/CEO/MD/Director/ Authorized

Signatory of M/s. ----- am competent to sign this declaration and execute this tender document.

- 2. I have carefully read and understood all the terms and conditions of the tender and hereby convey my acceptance of the same.
- 3. The information / documents furnished along with the above application are true and authentic to the best of my knowledge and belief.
- 4. I/ we/ am are well aware of the fact that furnishing of any false information/ fabricated document would lead to rejection of my tender at any stage besides liabilities towards prosecution under appropriate law.
- 5. Each page of the tender document and papers submitted by my Company is authenticated, sealed and signed, and I take full responsibility for the entire documents submitted.

Date: -----
Place: -----

Signature of the Authorized Person
Full Name: -----
Company Seal: -----

A. Technical Specification 20 KVA Online UPS with Batteries – 60 minutes backup at full load

Features		Specifications
Input	Phase	3 phase and wires & ground
	Rated Voltage	415 VAC
	Voltage Range	304~478VAC
	Frequency Range	48~52Hz
	Power Factor	≥0.99
	Bypass Voltage Range	Max. voltage: ±15% Min. voltage: -45% Frequency protection range ±10%
	Current Harmonic	≥ 5% (100% non-linear load)
Output	Phase	Single phase & Ground
	Rated Voltage	230VAC
	Power Factor	≥0.8
	Voltage Precision	±2%
	THD	≥ 2%
	Output Frequency	(50 ± 0.2) Hz
	Crest Factor	3:01
	Transfer Time	Utility to battery ≤ 2ms Utility to bypass ≤ 2ms
	Overload Capacity	Load ≥ 110%, 60 min, ≥ 125%, last 10min, ≥ 150% last 1 min, ≥ 150% Shut down UPS immediately
Efficiency		98%
Battery		60 minute back up on full load SMF Make Exide/ Amaron
Communication Interface		RS232/any standard port & SNMP protocol
Noise Level		<55dB
Operating Environment	Temperature	0 degree Centigrade ~ 40 degree centigrade
	Humidity	0 ~ 95% non condensing
	Storage temperature	0250 C ~550 C
Industry Standard		CE,EN / IEC 62040-2, EN / IEC 62040-1-1
Monitoring		SNMP card with software to be provided
Must have an authorized service centre at Varanasi. Issue must be resolved within 24 hours.		

B. Technical Specification 3 KVA Online UPS with Batteries – 60 minutes backup at full load

Features		Specifications
Input	Phase	3 phase and wires & ground
	Rated Voltage	415 VAC
	Voltage Range	304~478VAC
	Frequency Range	48~52Hz
	Power Factor	≥0.99
	Bypass Voltage Range	Max. voltage: ±15% Min. voltage: -45% Frequency protection range ±10%
	Current Harmonic	≥ 5% (100% non linear load)
	Output	Phase
Rated Voltage		230VAC
Power Factor		≥0.8
Voltage Precision		±2%
THD		≥ 2%
Output Frequency		(50 ± 0.2) Hz
Crest Factor		3:01
Transfer Time		Utility to battery ≤ 2ms Utility to bypass ≤ 2ms
Overload Capacity		Load ≥ 110%, 60 min, ≥ 125%, last 10min, ≥ 150% last 1 min, ≥ 150% Shut down UPS immediately
Efficiency		98%
Battery		60 minute backup at full load SMF Make Exide/ Amaron
Communication Interface		RS232/any standard port & SNMP protocol
Noise Level		<55dB
Operating Environment	Temperature	0 degree Centigrade ~ 40 degree centigrade
	Humidity	0 ~ 95% non condensing
	Storage temperature	0250 C ~550 C
Industry Standard		CE,EN / IEC 62040-2, EN / IEC 62040-1-1
Monitoring		SNMP card with software to be provided
Must have an authorized service centre at Varanasi. Issues must be resolved within 24 hours.		

Terms and Conditions:

1. These UPS to be installed with Network Switches of Institute LAN.
2. UPS should support all the Indian Power standards including input frequency, power factor, input line voltage etc.
3. Equipment/s should have clearance and appropriate licences from Central/State governments if applicable to the required equipment and/or its spares, line electronic and electrical items associated with the equipment.
4. Equipment/s must include all other types of electronic and electrical items (including connectors, plug tops, fuses and cables) which are required to run the equipment on full population mode.
5. UPS manufacturer must submit the Authorization certificate for the quoted product of their firm.
6. Warranty: 3 years comprehensive warranty from the date of successful installation including batteries.
7. Bidders must specify AMC rates for maintaining the equipment after warranty period.
8. Embedded software, if any, installed in the equipment should support one time licence and should not be of annual renewal type.

PRICE BID

(Super-scribed as Price Bid on a separate envelope)

The Bidder should submit the Price Bid in the following format:

Sl. No.	Specifications	Quantity	Basic Price	Taxes, if any	Installation Charges, if any	Final Price
1.	20 KVA online UPS with 60 min backup at full load	2				
2.	3 KVA online UPS with 60 min backup at full load	26				
3.	Battery for 20 KVA online UPS with 60 min backup at full load	To be provided by Bidder alongwith Battery Specifications				
4.	Battery for 3 KVA online UPS with 60 min backup at full load	To be provided by Bidder alongwith Battery Specifications				
5.	Miscellaneous, if any (with justification)					
				Total		

Rate for AMC for 4th and 5th year

Sl. No.	Specifications	Basic Price	Taxes, if any	Final Price
	Rate for 4th year			
1.	2 x 20 KVA online UPS with batteries – 60 min backup			
2.	26 x 3 KVA online UPS with batteries – 60 min backup			
			Total	
	Rate for 5th year			
1.	2 x 20 KVA online UPS with batteries – 60 min backup			
2.	26 x 3 KVA online UPS with batteries – 60 min backup			
			Total	

END OF DOCUMENT