

INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE
2A & 2B, Raja S.C. Mullick Road, Jadavpur, Kolkata-700032

NIT No.: IACS/CCRES/UPS/2023-24/23

Date: 14/08/2023

Sealed tender in two bids system (technical bid and price bid) is invited from bonafide, resourceful and eligible manufacturer/exclusive distributor/vendors for '**Supply, installation, testing and commissioning of 02 Nos. of 20 KVA three phase online uninterrupted power supply (UPS) to be configured with the existing UPS system and buy-back of one old 20 KVA UPS along with the AMC of one existing 20 KVA UPS**'.

Part-I (Technical Bid) of the tender should contain technical specifications in detail as well as commercial terms and conditions. Part-II (Price Bid) should clearly indicate item-wise price, if needed, as mentioned in the technical bid. The Technical Bid and Price Bid are to be submitted in separately sealed envelopes, distinctly marked accordingly and both to be put inside another envelope, that should be sealed and super scribed with tender notice no. and due date. The bidders may submit bids duly signed in their own letterheads.

Complete tender bids should reach to the Dispatch section, IACS on or before the scheduled date and time specified below:

Tender Notice No.	NIT No. IACS/CCRES/UPS/2023-24/23 Date : 14-08-2023
Last date and time of submitting Tender	September 04, 2023 at 1.00 P.M. at Dispatch Section
Pre-bid meeting to discuss Technical specifications	August 23, 2023 at 3.00 P.M.
Date and time of opening tender	September 04, 2023 at 4.00 P.M.
Place of opening Tender	I.A.C.S., Kolkata
Contact	Email: ccresrc@iacs.res.in, admap@iacs.res.in. Tel.+91 33 2473 4971 [Ext. 1176]

The technical bids will be opened first to judge/evaluate the technical specifications of the said UPS's and thereafter the price bids of only technically qualified bidders will be opened.

Technical Bid Evaluation: The technical bids will be opened first to judge/evaluate the technical specifications of the said materials.

Opening of price-bid: The Price Bids of the bidders qualifying the technical bid will only be opened, the date and time of which will be intimated to the short-listed bidders at their email addresses. The rest of the bids will be rejected.

Please note that IACS will not provide any accommodation or reimburse any expenses to any of the bidders for attending opening of technical bid.

Quotations received incomplete or beyond the stipulated time will be summarily rejected.

1. TECHNICAL BID

The technical bid should contain technical specifications and should be kept in a separate sealed envelope duly super scribed as 'TECHNICAL BID' on the outer cover of the envelope as already detailed above. **It should be clearly mentioned on the envelope as "Technical Specification for 20 KVA UPS".**

1.1. Bill of materials

Description	Quantity
20 KVA UPS	02 Nos.
Accessories (with proper breakup)	
Batteries (SMF VRLA)	

1.2 Technical specification:

TECHNICAL SPECIFICATIONS FOR 20 KVA Three phase online UPS SYSTEM

Sl	Parameter	Required Specification
1	Manufacturers Credentials	Manufacturer must be ISO 9001:2015 certified. Please enclose Certificate
		Manufacturer must be ISO 14001:2015 certified. Please enclose certificate
		Manufacturer must be OSHAS 45001:2018 certified. Please enclose certificate
		Bidder if not the manufacturer, must provide Manufacturer's Tender Specific Authorization that the bidder is authorized sales & service provider.
		Bidder Should be ISO Certified and Business operation in related filed at least 15 years in West Bengal. Documents should be attached.
2	UPS Ratings	20 KVA

3	UPS Type	True Online Digital Signal Processor Based UPS system with IGBT based rectifier and Inverter.
4	Mandatory System Features	UPS efficiency Online mode efficiency up to 96.2% Eco mode efficiency up to 99%
5	Input Parameters	It Should be possible to configure the UPS system for Three Phase (380/400/415VAC). Permissible Input voltage range : 176V AC - 288V AC Nominal Frequency: 50Hz+/-3% Input power factor : >0.99 p.f
6	Intermediate Dc Circuit Parameters	Nominal DC bus voltage: 288VDC – 384VDC Types of batteries supported : SMF VRLA Battery Charging max : 13A
7	Output Parameters	Output power rating at 1.0 pf: 20 KVA / 20 KW Output power factor : Unity Output voltage precision : +/-3% Output voltage distortion for <2% for 100% Linear Load < 5% for 100% Non Linear Load Output frequency range : 50 Hz+/-2% Total Harmonic Distortion (THD): <3% Power Rating at Unity pf : 20 KVA Output Crest factor capacity : 3:1 Overload Capacity : at 25°C Upto 105%~ 125% for 5 mins, Upto 125%~ 150% for 1 mins Over 150% for 200ms
8	Batteries	SMF VRLA Battery: 24-32 Blocks of 12V for each set Battery VAH should not less than 24960VAH for total 30mins backup .
9	Special Feature (Mandatory)	Operating Temperature : 0-50°C without de-rating UPS output capacity. General & Safety Requirement: IEC/EN 62040-1 EMC : IEC/EN 62040-2.
10	Ethernet Port	Built in with the UPS system to support monitoring.
11	Protection Parameter	Dust Proof, Moisture Proof , High Temperature Proof,
12	Certification	RoHS, SEISMIC Certified.

PRICE BID

The financial bid indicating price for the item(s) mentioned in the technical bid should be kept in a separate sealed envelope and should be submitted in the following format duly superscribed as 'PRICE BID' on the outer cover of the envelope as already detailed above. Price bids of only technically qualified bidders will be opened and they will be intimated the date and time of the opening of price-bid at their e-mail ids. Rest of the bidders will stand rejected.

Sr. No	Item	Quantity	Make/Model	HSN/SAC Code	Base price	Total Price(Without GST)	GST@	GST Value	Total price with GST
1	20 KVA UPS	02							
2	Buy-back value of old 20 KVA UPS	01							
3	Batteries								
4	Accessories (with proper breakup)								

	Total GST:	Total Price:
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2. SCOPE OF WORK:

Supply, installation, testing and commissioning of 02 Nos. of 20 KVA three phase online uninterrupted power supply (UPS) to be configured with the existing UPS system. Two UPS will act as primary source of supply and one UPS will be used as backup.

3. WARRANTY:

- i. The Comprehensive Warranty shall be for a period of 5 years from the date of satisfactory installation, testing, commissioning and handing over the UPS which covered under warranty in working order. During the Warranty period the replacement of any part(s) of the equipment or rectification of the defective product will be free of cost.
- ii. If, the tenderer is required to replace the rejected equipment and/ or other articles, he will replace them within one hour. The tenderer shall bear all cost of such replacement, including freight, if any, of such replacement or repaired equipment and/ or other articles but without being entailed to any extra payment on that or any other account.
- iii. Vendor shall make necessary arrangements for keeping the sufficient spares at site to minimize the down time.
- iv. Software updates released by the OEM should be installed by the vendor free of cost within the warranty period.
- v. Warranty should be offered directly by the OEM.
- vi. Single point of contact for all communication related with after sales and support.

4. BID SECURITY: (Declaration vide order no. F.9/4/2020-PPD dtd. November 12, 2020)

- a. An Account payee Demand Draft/Pay Order of Nationalized Bank of 2.5% of the order value drawn in favor of "Indian Association for the Cultivation of Science (State Bank of India, Jadavpur University Branch, A/C No. 11079699211, IFSC: SBIN000093, MICR Code: 700002048)" is to be furnished by the bidders except those who are registered with the Central Purchase Organizations, National Small Industries Corporation or the concerned Ministry or Department, as Bid Security money or Earnest Money Deposit (EMD). Alternatively, the Bidder shall have the option to furnish the EMD in the format of Bank Guarantee (BG).
- b. The Demand Draft for the Bid-Security should have at least about 90 (ninety) days validity period of opening of the bids.
- c. In case of non-award of the work the Bid Security money would be returned to the unsuccessful Bidders.

5. PERFORMANCE SECURITY:

An Account Payee Demand Draft on any commercial bank of India of 10% of the order value in the name of "Indian Association for the Cultivation of Science" is to be furnished by the successful bidder as Performance security. Performance Security may be furnished in the form of Fixed Deposit Receipt or Bank Guarantee from a Commercial Bank. Performance security money should remain valid for a period of 60 days beyond the date of completion of all contractual obligations of the supplier including warranty obligations. Bid security money or EMD will be refunded to successful bidder on receipt of the Performance security money.

6. TERMS OF PAYMENT:

All rates should be quoted in INR only. Payment will be made 100% on successful delivery, installation and configuration of the UPS's /execution of orders. Partial payment against supply within scheduled delivery period will not be admissible.

7. ELIGIBILITY CRITERIA AND DOCUMENTS REQUIRED:

The following shall be the minimum eligibility criteria for selection of bidders technically

1. The Bidder should be an Original Equipment Manufacturer (OEM) or an authorized firm of reputation having sufficient expertise and experience in the subjected tender with sound warranty/service support capability and authorization from Manufacturer.
2. Either the Indian agent on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product.
3. If an agent submits bid on behalf of the Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product.
4. The tenderer should clearly mention whether they are the OEM or authorized dealer/agent of the manufacturers. In the case of dealer/distributor/agent, latest letter of authorization from the OEM specifically for this tender should be submitted along with the Technical Bid.

5. Submission of duly filled in and signed compliance certificate from Bidder are must with the Technical Bid.
6. Equipment offered must be supported with printed catalogue & description on OEM website.
7. Manufacturers / exclusive distributors / vendors should have history of supplying this type of UPS to this or other scientific organizations. Availability of a list in this regard would be preferred.
8. Bidder should submit their past experience for supplying and successful installation of similar units to other research Institute/Universities/other organization in India. Please provide documentary proofs of such successful installation and project completion. Also, a compliance table (see below) must be prepared and submitted along with the technical bid.

Sr. No	Item	Tender specification	Your offered instrument specification	Extent of compliance
1	20 KVA 3 phase online UPS			

9. Attested copy of Registration certificates of the firm/company and GST details should also be submitted.
10. Manufacturers or Bidder are requested to provide all the certificates mentioned in the Sl. No. 1. of the technical specification.
11. Bidder should enclose copy of following documents:
 - i. Trade license.
 - ii. Company Registration certificate.
 - iii. Bid specific OEM Authorization certificate is mandatory.
 - iv. GST registration certificate.
 - v. PAN GST certificate to be submitted.
 - vi. Similar 3 Purchase Order.
 - vii. Income Tax Return (for the last 3 years).
 - viii. Audited Balance Sheet (for the last 3 years).
 - ix. A list of clients where similar type of UPS has been installed should also be provided.
 - x. Documentary proof of Servicing facility and service engineer stationed at Kolkata.
 - xi. Documentary proof of the vendor/bidder working in this field for at least 15 years in West Bengal.
 - xii. Annexure-I in letter head with company seal and sign.
12. Technical Supporting Staff – The bidder should have trained and qualified customer support staff with ample experience in the required field. Complete details of service centers and support staff should be provided. They should have service centre in Kolkata with proper address. The details of the service centers should be provided.

13. Documentary proof of Servicing facility and service engineer stationed at Kolkata.
14. Documentary proof of the vendor/bidder working in this field for at least 15 years.
15. Annexure-I in letter head with company seal and sign.

10. GENERAL INSTRUCTIONS

1. Validity of tender: Tender submitted should remain valid for at least six months from the date of opening the tender. Validity beyond six months from the date of opening of the tender shall be lapsed by mutual consent.
2. Incomplete and conditional tenders as well as tenders received after the due date will be summarily rejected without assigning any reasons thereof.
3. At any time prior to the bid due date, IACS may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder during pre-bid meeting, modify the bidding documents. The amendment(s) will be notified on the institute website. Prospective bidders are advised to occasionally visit the website (<http://iacs.res.in/tenders.php>) for any amendment.
4. Only 1 representative per bidder, duly authorized, may be allowed to attend the pre-bid meeting.
5. Service facility: In Kolkata, supplier should mention their details of service setup and man powers that are responsible for after sales support. Response time should be within 24 hrs.
6. Proposed delivery should be within three weeks after receiving the purchase order.
7. Guarantee certificate, users manuals etc. are to be handed over to the user after successful commissioning of the system.
8. In the event of date being declared a closed holiday for purchaser's office, the due date for submission of bids and opening of the technical bids will be the following working day at the appointed time.
9. In case of any dispute, the decision of IACS authority shall be final and binding on the bidders.
10. Once the pre-bid meeting is over and issues are clarified, no query or objection or complain shall be entertained in connection with the tender. Absence of any vendors in pre-bid conference shall not be considered as justification for making query or objection thereto. Also, non-attendance in the pre-bid meeting is not a disqualification for participating in the tender process.
11. For any clarification regarding technical specifications, information etc., please send your queries to Rimi Chakraborty (ccresrc@iacs.res.in), Abhra Paul (admap@iacs.res.in).
12. The authority of IACS reserves the right to reject any or all of the tenders received without assigning any reason thereof.

Registrar