

INVITATION FOR QUOTATION

TEQIP-II/2016/CH1G02/Shopping/152

28th-Nov-2016

To,

Sub: Invitation for Quotations for supply of Goods

Dear Sir,

1. You are invited to submit your most competitive quotation for the following goods with item wise detailed specifications given at Annexure I,

Sr. No	Brief Description	Quantity	Delivery Period(In days)	Place of Delivery	Installation Requirement (if any)
1	UPS - 6 KVA	2	40	Dr SS Bhatnagar University Institute of Chemical Engg and Tech, Panjab University, Chandigarh	Will be done at the site

2. Government of India has received a credit from the International Development Association (IDA) towards the cost of the **Technical Education Quality Improvement Programme[TEQIP]-Phase II** Project and intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued.
3. Quotation,
 - 3.1 The contract shall be for the full quantity as described above.
 - 3.2 Corrections, if any, shall be made by crossing out, initialing, dating and re writing.
 - 3.3 All duties and other levies payable by the supplier under the contract shall be included in the unit price.
 - 3.4 Applicable taxes shall be quoted separately for all items.
 - 3.5 The prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
 - 3.6 The Prices should be quoted in Indian Rupees only in the prescribed format enclosed at Annexure II.

4. Each bidder shall submit only one quotation.
5. Quotation shall remain valid for a period not less than **55** days after the last date of quotation submission.
6. Evaluation of Quotations,
The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which
 - 6.1 are properly signed ; and
 - 6.2 confirm to the terms and conditions, and specifications.
7. The Quotations would be evaluated for all items together.
8. Award of contract:
The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.
 - 8.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.
 - 8.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.
9. Payment shall be made in Indian Rupees as follows:
Delivery and Installation - 90% of total cost
Satisfactory Acceptance - 10% of total cost
10. All supplied items are under warranty of **24** months from the date of successful acceptance of items.
11. You are requested to provide your offer latest by **14:30** hours on **14th - Dec-2016**.
12. Detailed specifications of the items are at Annexure I.
13. Training Clause (if any): The company should provide training of the specified equipment at the time of installation without any additional cost. Also training of concerned person/technician on site.
14. Testing/Installation Clause (if any): Vendor has to install the equipment in the lab space provided at his own cost and test the equipment.
- 15. Information brochures/ Product catalogue is mandatory and accompanied with the quotation clearly indicating the model quoted for.**

16. The vendor has to provide the detailed list of institutions/companies (in India) where he has supplied the items along with the list, year of installation and contact person details.

17. Each bidder will submit bid under two bid system as follow:-

(a) First Envelop will contain:

- i. Technical bid confirming specification, as per Annexure-I
- ii. Information Brochure's/ Product catalogue clearly indicating the model quoted for
- iii. Detailed list of institutions/companies (in India) where you have supplied these items along with the list and year of installation and contract person in details

(b) Second Envelop will Contain:

Financial bid indicating items wise price for items mentioned in the technical bid on the format at Annexure-II.

The Vendor will submit the quotation in above envelopes duly sealed. On first Envelop the vendor will mention Technical bid and on second envelop the vendor will mention price bid. Both these sealed envelope will be put in one closed envelope super scribing clearly the reference of NIQ and the date of opening of bid. The first envelope will be opened first After Evaluation of Technical bid, the second Envelop i.e. price bid will be opened only of those vendors who are meeting the technical specification.

18. Sealed quotation to be submitted/ delivered at the address mentioned below,

The chairperson,

TEQIP-II,

Dr. S.S. Bhatnagar University Institute of Chemical Engineering and Technology,

Panjab University,

Chandigarh – 160 014

19. We look forward to receiving your quotation and thank you for your interest in this project.

(Authorized Signatory)

Name & Designation

Annexure I

Sr. No	Item Name	PARAMETER	SPECIFICATION
1	UPS-6KV A		
		Topology	True Online Double Conversion Power Recreation
		Rectifier Design	Fully Controlled
		Charger Design	Low Ripple CVCC Battery Charging
		Inverter Design	Advanced Sine-weighted High Frequency PWM using IGBT with Instantaneous Sine-wave Control
		Duty	Continuous Operation.
		Usage	UPS should be suitable for 3L Fermentor, Chiller and Compressor Load
		INPUT	
		Voltage Range	160 to 280 V AC
		Frequency Range	47 to 53 Hz
		Input Power Factor	>0.92
		OUTPUT	
		Power Rating	6 KVA / 5.4 KW 230 V, 1 Phase
		Output Current	Continuous Output Current @ 230 V AC = 26 A
		Voltage Regulation	<u>2%</u>
		Waveform	Sine Wave
		Harmonic Distortion	Less than 3% on linear load
		Power Factor	Unity to 0.7 lag within specified power ratings
		Load Crest Factor	3:1 without derating
		Overload Rating	125% for 30 seconds 150% for 10 seconds The UPS should not trip in case of Start-up of Any Load at the Output within the above specifications
		Dry Port / Contact	Should be provided for Extending Alarm / Signaling to the Infrastructure / Panel
		MONITORING & CONTROL	

Display	Digital Display for Monitoring the Critical UPS Parameters	
Logging	UPS should Log the Various Events and same should be accessible from Front Panel	
Password Protection	User should be able to change the Output settings through Password	
Self-Test	It should be possible to conduct the UPS self-Test from Front Panel	
BATTERY		
Back-up Time	40-45 Minutes on full load. Battery Required : For 6 KVA / 5.4 KW UPS : 8000 VAh Minimum Battery Type :Sealed Lead Acid Maintenance Free	
Battery Installation	For Safety of the user, either the batteries should be built-in OR external Powder-coated battery cabinet should be supplied.	
Cabinet Protections	IP10 Protection	
Battery Path Protection	There shall be a suitable DC Type MCB / MCCB / Protection in addition to protection inside the UPS	
PROTECTIONS		
Input Over Current	Input Under/ Over Voltage	Output Under/ Over Voltage
Over Temperature	Battery Under/ Over Voltage	Output Overload & Short Circuit
ENVIRONMENTAL		
Operating Temperature	0 to 40 deg C (45 deg C Peak)	
Relative Humidity	Upto 95% Non-condensing	
Audible Noise	< 55 dB at 1 metre	
Ingress Protection	IP21	
Cooling	Forced Air Cooling	
INTEGRATED AUTOMATIC BYPASS TRANSFER SWITCH		
Bypass Supply	UPS should have Automatic Transfer Switch for Transferring the Load to Bypass Supply, which can be another UPS or Another Power Source	

Intelligence in Automatic Bypass	<p>UPS should have intelligence in Bypass Operation and should not Transfer the Load to Bypass Supply if the Bypass Supply is Beyond $\pm 10\%$ of the UPS Output Voltage</p> <p>The Critical load should not get damaged even in case of Bypass supply being too High. If this feature is not available, the supplier should supply external Over Voltage Protection of 6 KVA / 5.4 KW with necessary wires / cables rating alongwith the UPS</p>
Bypass Supply Frequency Tracking	Should be incorporated . In case Bypass Supply is provided with another supply of 48 to 52 Hz, the UPS should also track the frequency to ensure minimum frequency jerk to Critical Load under transfer to bypass supply and return from bypass
Bypass Supply Frequency Tracking	Should be incorporated . In case Bypass Supply is provided with another supply of 48 to 52 Hz, the UPS should also track the frequency to ensure minimum frequency jerk to Critical Load under transfer to bypass supply and return from bypass
Output Panel	Should be Provided with via 4 No. Two Pole MCBs C-Curve Type : 1 No. 32A, 1 No. 25 A, 1 No. 16 A and 1 No.6 A . C-Curve. Make : ABB/ HAGER/MERLIN GERIN/EATON
Manual Bypass Facility	External 2 Pole 40 A Manual Bypass Switch should be provided to facilitate Manual Transfer of Critical Load to any other Source such as UPS, Stabilizer etc.
ONSITE WARRANTY	
For UPS	2 years Minimum
For Battery	2 years Minimum

Annexure-II

FORMAT FOR QUOTATION SUBMISSION

(In letterhead of the supplier with seal)

Date: _____

To:

Sl. No.	Description of goods (with full Specifications)	Qty.	Unit	Quoted Unit rate in Rs. (Including Ex Factory price, excise duty, packing and forwarding, transportation, insurance, other local costs incidental to delivery and warranty/ guaranty commitments)	Total Price (A)		Sales tax and other taxes payable	
					In figures	In words	In %	In figures (B)
Total Cost								

Gross Total Cost (A+B): Rs. _____

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. _____ (Amount in figures) (Rupees _____ amount in words) within the period specified in the Invitation for Quotations.

We confirm that the normal commercial warranty/ guarantee of _____ months shall apply to the offered items and we also confirm to agree with terms and conditions as mentioned in the Invitation Letter.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

Signature of Supplier

Name: _____

Address: _____

Contact No: _____