

INVITATION FOR QUOTATION

TEQIP-III/2018/iiit/Shopping/36/4103

19-Feb-2018

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	150 KVA/KW Modular Double Conversion Online UPS	1	20	IIIT Guwahati, G.N.B. Road, Ambari, Guwahati-781001	Yes

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 III** 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.
4. Each bidder shall submit only one quotation.
5. Quotation shall remain valid for a period not less than **30** 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 - 0% of total cost
Satisfactory Acceptance - 100% of total cost
10. All supplied items are under warranty of **36** months from the date of successful acceptance of items.
11. You are requested to provide your offer latest by **15:00** hours on **05-Mar-2018** .
12. Detailed specifications of the items are at Annexure I.
13. Training Clause (if any) **No**
14. Testing/Installation Clause (if any) **Yes**
15. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
16. Sealed quotation to be submitted/ delivered at the address mentioned below,
The Director
Indian Institute of Information Technology Guwahati
G.N.B. Road, Ambari, Guwahati, Pin-781001
17. We look forward to receiving your quotation and thank you for your interest in this project.

Sd/-
(Authorized Signatory)
Name & Designation
Gautam Barua, Director, IIITG

Annexure-I

TECHNICAL SPECIFICATIONS FOR 200 KVA/KW MODULAR UPS : 01 Nos.	
1	GENERAL FEATURES: Supply, installation and commissioning of 150 KVADouble Conversion On-Line Uninterruptible Power System (rack-mounted modular UPS) with option to scale upto 200KVA.
1.1	There shall be a combined battery bank of 15 minutes back-up (96,000 VAH) for 150 KVA UPS, using VRLA Sealed Maintenance Free Batteries.
1.2	UPS system will have appropriate nos. of UPS modules <u>inmodules</u> in the range of 25-50 KVA.
1.3	Each Uninterruptible Power System Module (UPM) module shall be rack mountable, 4U or less height.
2	UPS COMPONENTS: The UPS shall consist of the following main components:
2.1	UPS frame containing appropriate number of 25 or 30 KVA Uninterruptible Power System Module (UPM) to provide 150KVA power with N+1 redundancy.
2.2	The frame for 150 KVA is with standard 42U frame (having dimensions Width = 600mm, Depth = 1100mm and Height =2000 mm; ±5%)
2.3	There should be no common logic controller (either single or redundant) outside the modules.
2.4	The UPM shall be hot swappable and each UPM shall be able to operate and share the load independently, despite the status of the other UPMs.
2.5	Switch Unit comprising of Main Breaker, Maintenance Bypass and Output Breaker
2.6	STS Module comprising of a fully rated (200 KVA), continuous duty static bypass switch for high-speed transfers along with RS232 port /USB port, SNMP Slot
2.7	The control panel should be located on the front side of the UPS. It should allow USER control, monitoring of all measured parameters, UPS, battery status and alarms.
3	BATTERIES: There shall be a combined battery bank for 15 minutes back-up comprising of sealed Batteries with 96000 VAH with suitable battery rack and interconnecting cables.
4	ISOLATION TRANSFORMER: Isolation Transformer of 250 KVA should be provided with the UPS for providing galvanic isolation between input & output. Isolation Transformer should be external to the UPS and placed inside a suitable enclosure with powder coated paint and provided with cast iron wheels at bottom and hooks for lifting the unit.

18	QUALIFICATON CRITERIA	
a	Previous Experience: Bidder should have successfully completed at least one similar works (supply, installation & commissioning of 100 KVA or higher capacity Modular UPS System) in any Govt. or PSU Data Centre/Server Room/Computer Centre Site during last 3 years.	Completion Certificate and Purchase order copy for the above Purchase(s)/Work(s) shall be submitted by the bidder.
b	The bidder should have proper after sales service facilities in Guwahati, Assam and should not have been blacklisted or debarred from business, at any point of time during last 10 years by any Govt./PSU undertaking.	Service set-up Details with details on manpower and infrastructure available to be provided. Affidavit with Undertaking on non-blacklisting to be provided
c	The bidder should submit documentary evidence in support of 100% compliance to the tender specifications	The bidder should submit the Datasheet and user/operation manual of the UPS system offered.

DETAILED SPECIFICATION SHEET

1	Make	
2	Model	
3	MODEL RATING (1.0 p.f.)	150 KVA with provision of expansion up to 200KVA
4	Configuration	150 KVA True modular On-Line Double Conversion UPS System using modules (UPM) each in the range of 26-50 KVA (all UPM will have the same KVA) in N+1 redundant configuration. So for 25 KVA UPMs, there will be 7 modules.
5	UPS Topology	Double Conversion, IGBT Converters & Inverter
6	UPS dimensions (Footprint)	42U rack size (having dimensions Width = 600 mm, Depth=1100 mm and Height=2000 mm; $\pm 5\%$)
7	Weight(with MBS), UPS frame without UPS module	< 400 Kgs
8	Weight UPS module	< 40 kgs
9	UPS Degree of protection	IP 20
10	Acoustic noise at 1 m, in 25 °C ambient temperature	< 75 dBA
11	Ambient UPS storage temperature range	0°C to + 55°C without batteries, 0°C to + 25°C with batteries
12	Ambient service temperature range	0°C to + 40°C without output power derating
13	Relative humidity range	5 to 95%, no condensation allowed
14	Compliance	RoHS/WEEE compliance
15	Efficiency in double-conversion, rated linear load	>94%
16	Rated input voltage Voltage tolerance	380 V; 400 V; 415 V 305 ~ 478 VAC at 100% load; 208 ~ 478 VAC at 50% load
17	Rated input frequencytolerance	50 to 55 Hz
18	Number of input phases Rectifier input Bypass input	3 phases + neutral 3 phases + neutral
19	Input power factor, double conversion @100% load	> 0.99
20	Input current distortion at rated input current	< 3%, 100% load
21	Number of output phases	3 phases + neutral
22	Crest factor	3:1
23	Rated output voltage	380 V; 400 V; 415 V, configurable
24	Output voltage variation, steady state	$\pm 1\%$ (balanced load); $\pm 2\%$ (unbalanced load)
25	Total voltage harmonic distortion 100% linear load 100% non-linear load	< 2% < 5%
26	Rated output frequency Output frequency variation	50 Hz ± 0.1 Hz
27	Overload capability (On inverter)	1 hour for 110%, 10 mins for 125%, 1 min for 150%
28	Type of bypass	Static
29	Bypass rating	200kVA
30	Bypass voltage range	380 V; 400 V; 415 V
31	Upstream protection, bypass line	Circuit breaker, rated up to 100% of nominal output current.
32	Battery technology	SMF
33	Nominal VAH capacity	96000 VAH
34	End of discharge voltage	1.75 VPC
35	Float Charging Voltage	2.25V / Cell
36	Boost Charging Voltage	2.35V / Cell
37	Battery start option	Yes
38	Standard connectivity ports	USB / RS-232 service port, EPO, Web and SNMP card
39	Quality	ISO 9001, ISO 14001, OHSAS 18001
40	Safety	IEC 62040-1
41	EMC	IEC 62040-2
42	WARRANTY	03 year comprehensive on UPS, Batteries and isolation Transformer

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 %	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: _____