

Ref: C-CAMP/L-111/2022-23 (C)

January 05, 2023

ENQUIRY

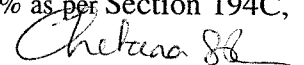
Dear Sirs,

Please let us have your lowest quotation for the following:

Sl.No	Item/s description	Qty.
1	Supply installation and commissioning of 3 KVA Online, Double conversion UPS with in built battery for network services	1 No.

Note:

- The quotation shall be submitted in a sealed envelope duly superscribed with the enquiry number, and the due date. The bids should be addressed and to be couriered (sent by post/courier) to 'THE HEAD-PURCHASE'. NCBS/CCAMP, GKVK Post, Bellary Road, Bangalore – 560065, Ph: 080-67176344
The bids are liable to be rejected if the sealed envelope is not addressed to “THE HEAD-PURCHASE” with Tender Ref No. and Item Description and due date. The bids delivered in person shall be dropped in Purchase Section. If the bids are sent through courier or mail, it should reach by submission date and time and CCAMP/NCBS will not be responsible for the delay.
- DUE DATE FOR SUBMISSION OF QUOTATION AGAINST THIS ENQUIRY IS 19/01/2023 BY 5.30PM.**
- QUOTATIONS RECEIVED AFTER THE DUE DATE SHALL BE REJECTED.**
- The validity of your quotation should be for 60 days from the due date.
- All duties, taxes, surcharge and cess as currently applicable must be stated in your quotation, separately. Otherwise your quote is liable to be rejected.
- Your quotation should indicate delivery period & warranty period.
- Delivery to be made to our stores. Please indicate charges, if any extra. Transit Insurance should be done upto CCAMP Stores.
- If you are unable to supply the quality, specifications or brand as mentioned in our enquiry, please state so and then offer alternative to quality/specifications.
- Payment: within one month after delivery & acceptance/satisfactory installation.
- The successful bidder shall have to execute a performance B/G in accordance with the guarantee/warranty for 3% value of the order. This B/G has to be executed on an appropriate value of stamp paper in terms of a bank guarantee drawn on any Nationalised Bank or first class Foreign Bank and shall remain valid till the completion of the Defect Liability period/warranty period, with 6 months claim period.
- Please ensure that the enquiry number and the due date is superscribed on the envelope failing which your quotation is liable to be rejected.
- If the item is covered under DGS&D rate contract, please quote the rate as per the DGS&D rate contract with xerox copy of the DGS&D order.
- Any dispute or differences that may arise between the parties shall be referred to the sole arbitration of the Centre Director or his nominees. The decision of the arbitrator shall be final and binding on the parties. The venue for arbitration shall be Bangalore. The provisions of the Arbitration and Conciliation Act, 1996 as amended from time to time shall apply. The courts in Bangalore shall have exclusive jurisdiction to deal with any or all disputes between the parties
- Since we are a research institution, we are exempted from paying Customs duty (Except ad valorem duty of 5% + 2% Cess and 1% Cus Sec & High Edu. CESS vide Notification No.51/96 with latest amendments) and excise duty vide Notification No. 10/97 CENTRAL EXCISE dated 01-03-1997 for all scientific equipments, technical instruments, equipments (including computers), their accessories, spares, consumables and software. Hence, please offer your prices
- If the item is covered under DGS&D rate contract, please quote the rate as per the DGS&D rate contract with xerox copy of the DGS&D order.
- Liquidity Damages:** If the equipment/ items as per specifications in our P.O. is not supplied (shipped) within the specified delivery schedule, then liquidated damages (not in terms of penalty) will be imposed automatically and shall be deducted from the bill at the rate of 0.5% per week subject to a maximum of 10% of the order value.
- Income Tax at the applicable rates as per the Indian Income Tax Act 1961 will be deducted at source for the services availed / ordered. In case of service provider, the rate of tax deduction shall be at 2% as per Section 194C, and in case of fee for professional / technical services.


Chetana S. R.

Supply, Installation, Testing and Commissioning of 3kva On-line, Double Conversion UPS with Inbuilt Battery for Network Servers

Sl. No	Description	Specifications	To be filled by Vendor
1	General Specification	-----	-----
1.1	Rating and Type	3000VA/2700Watts On-line UPS & Conventional type / Tower model	
1.2	Battery	Inbuilt SMF VRLA type	
1.3	Technology	IGBT based double conversion	
1.4	Display	LCD	
1.5	Input	230 V, 1 phase, 3wire(P, N and E)	
1.6	Input Voltage range	200V to 270V	
1.7	Input Frequency range	45Hz to 55Hz	
1.8	Input Power factor	> 0.96	
1.9	Output voltage	230 V, 1 phase, 3wire(P, N and E)	
1.10	Output Voltage Regulation	≤ 1%	
1.11	Output Power factor	0.9 to 1(unity)	
1.12	Output frequency	50Hz +/- 1%	
1.13	Over load capacity	1minutes @ 110% load	
1.14	Over all AC-AC Efficiency	≥ 90%	
1.15	Output wave form	Pure Sine-wave	
1.16	Current harmonics (THDi)	≤ 5% at Input side	
1.17	Voltage harmonics (THDv)	≤ 3% for linear load at output side	
1.18	Noise with rated load at 1Mtr	≤ 60dB	
1.19	Crest factor	3:1	
1.20	Numbers & capacity of external Batteries	12V/7AH SMF-VRLA batteries 8Nos OR 12V/9AH SMF-VRLA 6Nos	
1.21	I/P and O/P Terminals	Hard wire or Connectors	
1.22	Protection	Input Over/Under Voltage, Over load, Short circuit, output over voltage, batteries Over/Under charging, Over temperature, etc...	
1.23	Replacement Warranty	2years for both UPS and Batteries	
1.24	Application	Network Servers	
2	Operating Ambient Temperature	UPS Module : 0°C to +40°C Battery: 25°C ± 5°C	
3	Cooling	Forced air cooling by UPS internal fan	
4	Grounding	The AC output neutral shall be electrically isolated from the UPS chassis. The UPS chassis shall have an equipment ground terminal. Provisions for local bonding shall be provided	
5	Wiring standards	Installation and required accessories like lugs etc will be in the scope of supplier and Wiring practices, materials and coding shall be in accordance with the requirements of the National Electrical Code (NFPA 70). All bolted connections of bus bars, lugs, and cables shall be in accordance with requirements of the National Electrical Code and other applicable standards. Conformity to standards The system must conform to the following standards: Necessary certificate from IEC shall be submitted wherever required. Safety: EN62040-1. EMC emissions: EN62040-2. EMC immunity: EN62040-2 class C2 and C3.	
6	Uninterrupted Transfer / Re-transfer	The transfer control logic shall automatically turn on the static transfer switch, transferring the critical AC load to the bypass source, after the transfer logic senses any of the following conditions	

		<ul style="list-style-type: none"> • Inverter overload capacity exceeded • Critical AC load over voltage or under voltage • Battery protection period expired • Out of tolerance inverter input DC voltage • Over temperature • Inverter fault <p>Re-transfer of the critical AC load from the bypass source to the inverter output shall be automatically initiated unless inhibited by manual control</p>	
7	Replacement Parts Stocking	<p>Parts shall be available through an extensive network to ensure around-the-clock parts availability throughout the country. Recommended spare parts shall be fully stocked by local field service personnel (in Bangalore office) with back-up available from national parts center and the manufacturing location. The national parts center Customer Support Parts Coordinators shall be on-call 24 hours/day, 7 days/week, and 365 days/year for immediate parts availability. Tenderers may also produce Bangalore service center address along with strength support in the form of escalation chart. The UPS systems are going to feed the power to very critical equipments, and it is the responsibility of local service team to attend any emergency situation immediately during warranty period as well as post warranty period. Hence, service center at Bangalore is very much essential.</p>	
8	Other Protections	<ol style="list-style-type: none"> 1. Battery protection period expired Input Over/ under voltage, Output over/ under voltage, Output short circuit, Inverter overload, Rectifier overload, Inverter Overvoltage/under voltage, over temp, surge protection 2. UPS must have Generator Compatibility 3. UPS Must have complete protection for EMI / RF as per the IEC standard 4. UPS units should have built in surge, spike and line noise protection 5. It should have Intelligent Battery Management system 	
9	Guaranty and Warranty	<p>The equipments (complete system including batteries) supplied shall be guaranteed against all types of defects for a period of Two years (2 years) from the date of handing over of the equipment to NCBS after successful completion of acceptance testing. Any defects in the system/sub-assemblies found within the guarantee period shall be rectified/replaced by the supplier free of cost. During this period, servicing at once in three months interval, as prescribed by the manufacturer and as mutually agreed to, shall be carried out free of cost. It also includes battery health checks of the all the battery banks. Supplier shall also indicate the service facility they can offer at the place of installation and the telephone number and address of their service center. During the warranty period, breakdown call response time should be within 4 hrs in all working hours and 24hrs during after office hours and weekends</p>	

Note:-

Tenderer shall confirm the each and every specification mentioned above and submit all technical supporting documents including third party certificates of the system along with the tender.

Kindly submit Battery backup calculations and battery discharge characteristics datasheet.

The Tenderer shall give the names and full postal addresses of their clients from Bangalore to whom similar UPS have been supplied.

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