

# GOA STATE POLLUTION CONTROL BOARD

## गोंय राज्य प्रदूषण नियंत्रण मंडळ

(An ISO 9001-2015, ISO 14001:2015. OHSAS 18001:2007 Certified Board)

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No. GSPCB/ITD/ITF/2021/3/ 4892

25/06/2020

### Notice inviting Tender

**Sub:** Notice inviting tender for supply, delivery, installation and commissioning of 20 KVA industrial grade UPS with Batteries for Laboratory purpose.

With reference to the above cited subject, the Board intends to purchase an Indian manufactured 20KVA industrial grade UPS with batteries for its laboratory utilities housed on the 1st and 2nd Floor of Goa State Pollution Control board office building situated near Pilerne industrial estate, opposite Saligao seminary, Saligao, Goa.

In view of the same you are requested to kindly submit the quote along with taxes if any as per the specifications, terms & conditions annexed.

You are requested to submit your quotes in sealed envelopes as to reach to Member Secretary, GSPCB latest by 1:00PM on 15th July 2021.

  
Dr. Shamila Monteiro

Member Secretary

Goa State Pollution Control Board

C.C to

- 1) Office Copy
- 2) Guard File

## **Notice inviting Tender**


The Member Secretary, Goa State Pollution Control Board, situated Opposite Saligao Seminary, Near Pilerne Industrial Estate, Saligao Goa invited sealed tenders/quotations from well-established and reputed Indian manufacturer of 20 KVA industrial grade UPS with batteries for its laboratory utilities housed on the 1st and 2nd Floor of Goa State Pollution Control board office building , refer specifications

### **1.0 Standard Terminology**

- I. Tender, Bid, Quotation. (Meaning: offer received from a supplier)
- II. Tenderer, Bidder. (Meaning: an approved, authorized entity who seeks to supply goods by sending tender/bid)
- III. Tender Enquiry Document, Tender Document, and Bidding Document (Meaning: a detailed document issued by the purchaser specifying his needs and the requirements that a potential tenderer/bidder must meet).
- IV. ii) Notice inviting Tenders, Invitation for Bids - (Meaning: advertisement containing brief details of the requirement).
- V. Security Deposit, Performance Security - Meaning: monetary guarantee furnished by the successful tenderer for due performance of the contract concluded with it

### **2.0 Terms and Conditions**

- 2.1 TENDER PRE QUALIFICATION CRITERIA: This invitation for the Bid is open to any agency who is a reputed Indian manufacturer or authorized representative of the Indian manufacturer, who on his own or along with his associate supplier/partner meets the qualifying requirements stipulated here under for participation in the tender. The tenderer meets the following qualifying requirements.



Member Secretary

2.2 The Tenderer or his authorized representative should be an Indian manufacturer who must have manufactured, supplied, directly or through an authorized dealer for a minimum of 15 years.

2.3 The dealer should be duly authorized by the manufacturers for the respective items and submit a true copy of the same.

1. The last date and time for the acceptance of the tenders is, 15th July 2021 up to 1:00PM

2. The tender shall submit the following documents along with their tenders in envelope No.1 known as “Technical Bid”.

a. A copy of the income tax/Sales tax permanent account number/Registration number should be enclosed.

b. Supplier should state whether they are a proprietary firm, Partnership firm or a Private/Public limited company and furnish a profile of the firm. They should also clearly mention whether they are manufacturers, authorized dealers or retail suppliers. They should submit the necessary certificates.

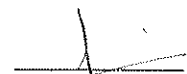
c. List of the names (minimum of 10Nos) of other organizations to which similar supplies have been made and copy of supply order to be enclosed.

d. Earnest money deposit (EMD) : refer para (3)

e. GST registration.

f. Technical specification of the UPS as per specifications provided by the Board.

g. If the supplier is unable to supply the said UPS before the date on which the supply is scheduled to have been completed he should indicate such on earlier date and also the date, by which he will be in a position to complete the supply and installation. But no point in time will the extension requested be more than 10 days.



Member Secretary

- h. The goods should be dispatched at the supplier risk and shall preferably be insured in transit against all likely damages by the suppliers.
  - i. Conditional offers are liable to be summarily rejected.
  - j. Prices should be inclusive of all taxes i.e no tax should be charged on the bill including other additional charges (eg transportation), if any clearly mentioned.
  - k. Bidders may note that the cost provided is for supply, delivery and installation of UPS and Batteries including stand.
  - l. Bidder/tenderer should have ISO 9001/2015, ISO 14000 & 18000 certifications, copy to be enclosed.
  - m. Bidder/tenderer should have registered office in Goa since 3 years.
  - n. Bidder should have minimum of 4 No of service engineers in his payroll with ESI & PF in **Goa**, Copy to be enclosed.
- 2.4 The income tax/sales tax will be deducted at source as per standard practice.
- Income tax/sales tax liability If any arising in future on account of the said contract will be recovered from the supplier or bidder.
- 2.5 The rate should be mentioned in the schedule attached with the tender in a separate sealed envelope known as commercial bid. The supplier must clearly state in what capacity he or she is signing the tender.
- 2.6 Details should be filled in ink or typed. The rates filled in pencil shall not be considered. The bidder/agency shall sign the quotation form at each page and at the end in token of acceptance of all the terms and conditions of the quotation.
- 2.7 The rates shall be written in words and figures clearly. Corrections if any should be duly attested by the bidder with date. Over writing is not permitted.



Member Secretary

2.8 The rate should be in Indian Rupees inclusive of all charges (transport, loading, unloading etc)/taxes with F.O.R destination to Goa State Pollution Control Board, Opposite Saligao Seminary, Near Pilerne Fire Station, Saligao Goa 403511.

2.9 The tenderers shall submit the tenders in two envelopes

a) The first envelope duly inscribed “TECHNICAL BID – UPS for Laboratory” shall contain all the documents referred to in Para 2 above and shall be sealed.


b) The second envelope duly inscribed “Commercial Bid – UPS for Laboratory” shall contain the schedule in prescribed format provided, in which the manufacturer shall register the rates of supply. The second envelope shall also, likewise, be sealed.

2.10 Both the envelopes then should be put together and shall be sealed in an envelope, and shall be submitted to the GSPCB by 15th July 2021 by 1:00PM, duly superscripted “Tender Documents for 20KVA UPS for Board’s Laboratory – Kind Atten. IT-SECTION” and will be accepted on behalf of the Member Secretary, Goa State Pollution Control Board.

2.11 The Technical bid shall be opened first to ensure that the tenderers have submitted all the requisite documents. If the technical bids are not in order or are deficient in some respect, the commercial bids in respect to such tenders shall not be opened.

### **3.0 Security:**

3:1 the amount of Earnest Money Deposit is 2.5% of the commercial bid submitted by the tenderer and should be in the form of Bank Draft drawn on a nationalized/ scheduled bank (payable in Panaji, Goa) in favour of the Member Secretary, Goa State Pollution Control Board.



Member Secretary

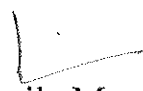
Tenders not accompanied by the requisite amount of EMD are liable to be rejected.

- 3.2 The bank draft should be attached in the Commercial bid envelope.
- 3.3 The EMD of unsuccessful bidders will be returned/refunded within 30 days.
- 3.4 In case of successful tenderers the amount of EMD shall be converted in security deposit/performance guarantee and refunded after the warranty period is over.
- 3.5 The Security deposit/performance Guarantee should be laid for 60 days beyond the date of completion of all the contractual obligations of the supplier including warranty
- 3.6 MSME Registered firm should pay the minimum amount of Rs 500/- as EMD, also duly certified certificate should be attached in the technical bid
- 4.0 Supplier should read carefully all the instructions and terms and conditions, etc, before registering rates in the prescribed schedule of the tender.
- 5.0 The offers made by the suppliers shall be open for acceptance for 6 months after the last date of submission of tender and once accepted should be valid for a period of 1 year.
- 6:0 the tenders (Technical Bids & Financial) will be opened by the purchase committee of GSPCB, on a pre designated date with due intimation to the bidder.
- 7.0 The tenderers or their authorized representative (only one personal) will be allowed to be present at the time of opening of the tender.
- 8.0 The delivery time should be within 10 days of receipt of purchase order and be clearly mentioned in the tender. No extension shall be granted to the suppliers for the period of delivery mentioned in the tender, under any circumstances, except at Member Secretary's discretion.



Member Secretary

- 9.0 if the supplier fails to deliver the UPS along with batteries and stand as per the delivery schedule, the GSPCB shall be free to procure the balance/ undelivered supply, at the risk and cost of the supplier from such suppliers.
- 10.0 The UPS supplied by the supplier shall be inspected by the concerned Board officer authorized by the competent authority. No goods/ups which do not conform to the specifications laid down in the terms and conditions or damaged in transit or otherwise, shall be accepted. Damaged equipment/unsatisfactory service should be replaced by the supplier free of cost.
- 11.0 The bills of the suppliers shall be paid by the Board after the equipment has been delivered, installed and commissioned and is working in satisfactory condition.
- 12:0 A non complying product should be replaced within 30 days or any such stipulated time frame, as per decision of the Board authority.
- 13:0 In the event of any breach of the terms and conditions of the supply, the GSPCB may terminate the order placed with the supplier and forfeit the Earnest money deposit of the supplier.
- 14:0 The decision regarding acceptance or rejection of the tender will rest with the Chairman/Member Secretary, Goa State Pollution Control Board, Opposite Saligao Seminary, Near Pilerne Industrial Estate, Saligao Goa, who does not bind himself to accept the lowest quotation and reserves the right, to reject or partly reject any or all the tender/quotations received without assigning any reason.

  
Dr. Shamila Monteiro  
Member Secretary  
Goa State Pollution Control Board

Official Stamp

Date:

Place: Saligao Goa

### SCHEDULE TO TENDER

a) Tenderers are advised to read carefully the Terms and Conditions of supply, delivery and installation and the instructions to the tenderers before recording the rate in this schedule.

b) No erasures or overwriting shall be allowed, unless they are authenticated under the full signature and seal of the tenderers.

c) Specification of 20 KVA UPS and batteries is as specified below

#### Technical Specification for 20kVA DSP Based 3P-3P UPS with isolation Transformer and 42AH Batteries

Sr. No	Specification/Details	Requirements
1.	<b>Uninterruptible power supply unit</b>	20KVA ON-LINE UPS WITH DSP TECHNOLOGY, INDUSTRIAL GRADE, PARALLEL REDUNDANCY
	Make	Indian brand only
	Capacity VA	20000VA
	Power Watt	18KW
2.	<b>Input</b>	
	Input Voltage Range	380 VAC - 15% + 18% , 3P + N + PE
	Input Power Factor	At full Load > 0.99
	Input Frequency Range	45 - 65 Hz (selectable)
	Rectifier	IGBT
	Total Harmonic Distortion (THDI)	<3%
3.	<b>Output</b>	
	Output Voltage Range	400VAC P-P, 220VAC 1P + N ± 1% Static.
	Recovery	0% - 100% - 0% load, maximum output tolerance ± 5%, recovery time <40ms.



	Efficiency	Up to 95%
	Output Frequency Range	50Hz $\pm$ 0.5% synchronous with the network, 0Hz $\pm$ 0.2% Battery Mode
	Output Voltage THD	Linear Load < 2% / Non-Linear Load < 6%
	Crest Factor (CF)	3:1
	Protections	<ul style="list-style-type: none"> <li>- Input phase reverse / failure.</li> <li>- Input / output voltage out of tolerance.</li> <li>- Input / output frequency out of range.</li> <li>- Output phase failure.</li> <li>- DC component at output voltage.</li> <li>- Inverter Overload.</li> <li>- Over temperature.</li> <li>- DC High.</li> <li>- DC Low.</li> <li>- Output short circuit.</li> </ul>
	Redundancy:	Minimum 4 times to increase the capacity/redundancy
4.	<b>Protections</b>	
	Overload Capacity	110% for 60Minutes, 150% for 1minute
	Short Circuit Current	Short Current for 0.1s ( 200% current)
5.	<b>Battery</b>	
	DC Volts	<b>384 or Higher</b>
	Charge Value (C)	Nominal 0.1 C, adjustable
	Battery Power	Maximum 25% of the Rated power of UPS
	Variable DC Bus	UPS Should support Variable DC Bus.
	Battery Capacity	12V 42AH 32Nos.
	Battery Stand	1 No.
6.	<b>Communications</b>	
	Communication Port	RS232 Standard, RJ45 with SNMP adaptor and

		support remote monitoring, SMS/ Email (Optional support)
	Dry Contract	Optional
	Protocol	SEC, TELNET
7.	<b>Certificates</b>	
	Quality	ISO 9001 -2008, ISO 140001 - ISO 18001
	Standard	EN62040-1-1, IEN60950
	EMC/LVD	EN62040-2, Class A
8.	<b>General</b>	
	TECHNOLOGY	Online, Double conversion, DSP Controlled Technology, 3phase-1phase UPS system
	Design	Stand alone and PRS features should available
	Isolation	Built in Galvanic Isolation should be provided.
	Operating Temperature	For UPS 0°C ~ 40°C,
	Storage Temperature	For UPS - 15°C ~45°C, For Batteries -10~60°C
	Protection Class	IP20
	Chassis	Anti-Static Paint Protection
	Humidity	0 - 95 %
	Altitude	<1000m, Correction Factor 1, <2000m, Correction Factor > 0.92, <3000m; Correction Factor >0.84
	Alerts	500 Events Log. (Operational Status Record)
	Parallel Operation	Parallel Redundant operation up to 4 Nos. Should be able to parallel with existing similar UPS.
	UPS Control	From front panel to monitor output Voltage, current, On/Off, Load transfer, Voltage setting etc

Goa State Pollution Control Board (GSPCB)  
Near Pilerne Fire Station, Opposite Saligao Seminary  
Saligao – Goa 403511  
Email – [mail.gspcb@gov.in](mailto:mail.gspcb@gov.in), Tel 0832-2407700,01,02

	EPO (Emergency Power Off)	Standard
9.	<b>Warranty</b>	3years for UPS 2 years for Batteries

You are required to submit your lowest quote in the below given prescribed format (financial bid) along with copies of Brochure and specifications.

Sr. No	Description of Good	Unit	Qty.	Make	Price/Amount (Rs)
1.	20kVA/18kW On-Line UPS with 0.9PF, DSP Technology, Built in Isolation Transformer, Built in static and maintenance bypass switch and Parallel redundancy support, Provision for SNMP support with ethernet interface for LAN Base communication and 384VDC and 12VDC 42AH Sealed Maintenance Free batteries for 30minutes back up time and battery stand	No.	1		
GST					Rs
Total Amount					Rs

DATE:

PLACE:

Authorized Signatory  
Name & Designation

Goa State Pollution Control Board (GSPCB)  
Near Pilerne Fire Station, Opposite Saligao Seminary  
Saligao – Goa 403511  
Email – [mail.gspcb@gov.in](mailto:mail.gspcb@gov.in), Tel 0832-2407700,01,02