



आईएसओ 9001-2015 पत्तान
AN ISO 9001-2015 PORT

MORMUGAO PORT AUTHORITY
ENGINEERING MECHANICAL DEPARTMENT
ELECTRICAL HARBOUR SECTION

NOTICE INVITING BUDGETORY OFFERS

Name of Work	“ Supply, Installation, Testing and Commissioning of Weather Monitoring station (Anemometer)”
Date of submission of budgetary quotation	On or Before 10/04/2023 at 15:00 Hrs.
Address for communication:	Executive Engineer (E-HR), 2nd floor, Mechanical Engineering Department, Mormugao Port Authority, Admin. Building, Headland sada Vasco-de-Gama Goa - 403804
Contact Details	Phone : (0832) 2594207, 2594577 Email : mohamed.shaik@mptgoa.gov.in
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EXECUTIVE ENGINEER (E-HR)
MORMUGAO PORT AUTHORITY



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Sub: " Supply, Installation, Testing and Commissioning of Weather Monitoring station (Anemometer)"

Ref: Budgetary Quotation No. CME/XEN (E-HR)/ 23/ B1

Mormugao Port Authority intends to carryout work of Supply, Installation, Testing and Commissioning of new Weather Monitoring station (Anemometer) at Berth no: 11 for providing live wind speed data on Goa State Pollution Control Board (GSPCB) server with 5 years software maintenance contract after 1 year warranty period.

As such, it is requested to kindly furnish budgetary quotation for the same (Scope of work, technical specifications are enclosed at Annexure-I and Price Schedule is enclosed at Annexure- II).

Your budgetary quotation should reach to this office on or before 10/04/2023 at 15:00 Hrs.

Thanking you,

Yours sincerely,

EXECUTIVE ENGINEER (E-HR)

Annexure-I

TECHNICAL SPECIFICATION

1. GENERAL:

Mormugao Port Authority intends to carryout work of Supply Installation testing and commissioning (SITC) of new weather monitoring system (Anemometer) as per the details given below:

2. SCOPE OF WORK

Part-A: Brief scope of work

- i. Supply and installation of 3 cup wind speed anemometer.
- ii. Supply and installation of Data logger with display.
- iii. Data logger should connect/collect the data and should share with Goa State Pollution Control Board (GSPCB) Server.
- iv. Supply and installation of Hooter and lamp. Both hooter and lamp shall be connected to the potential free contact of data logger.
- v. Supply and installation of 1 KVA UPS for above system.

3. Technical Specifications

3.1. Wind speed sensor (3 cup anemometer):

- Range :0-60 meter/sec
- Power:24 V DC operated
- Accuracy: better than +/- 2%
- Housing:SS316/brass/Aluminium

3.2. Data logger

- Range: 0-60 meter/sec.
- Output: RS232 & Printer Port/ USB Port for Pen drive max 4GB
- Power supply :240 VAC
- Alarm: HI/LO alarm with Potential free contact.
- Display: Flat screen display
- Output: provide 24VDC supply to wind speed wind speed anemometer.

- It should have GPRS/Wi-Fi/LAN and 4G connectivity (4G sim will be provided by the Port).
- Data logger shall be enclosed in MS powder coated wall mounted stand

3.3. Software for direct connectivity to GSPCB

- ISO-7168 Compliant
- Software compliant with GSPCB.
- Reports for data downloaded from website.
- Real time Alert & Alarms with SMS & E-mail.
- Free Android App on Google Play.
- 1 year free support for Data Connectivity.
- Data push to GSPCB server.

3.4. Hooter and tower lamp(1 each):

- Supply and installation of hooter and tower lamp.
- The hooter and tower lamp shall be connected through Potential free contact of Data logger.
- Hooter and tower lamp should operate when the wind speed increases or decreases the set value.

3.5. UPS:-

1 KVA, 230V online UPS has to be provided to entire weather monitoring system.

3.6. Installation and Commissioning:

- Installation of Wind speed Anemometer.
- Installation of data logger. Data logger shall be enclosed in MS powder coated wall mounted stand.
- Installation of hooter and tower lamp. The hooter and tower lamp shall be connected through Potential free contact of Data logger.

- Hooter and tower lamp should operate when the wind speed increases or decreases the set value.
- Installation of 1 KVA UPS.
- All required wirings from data logger to wind speed anemometer and to hooter and tower lamp shall be carried out by the contractor.
- All the material including wires/cables/brackets/screws required for execution of the work has to be arranged by contractor at his own cost.
- Contractor has to ensure that the data generated is shared live to GSPCB server.
- All required correspondence with GSPCB for uploading the data live on GSPCB server is sole responsibility of the contractor.

4. GUARANTEE PERIOD:

- The contractor shall guarantee the subject work for a period of 1 year from the date of commissioning and satisfactory handing over. The Contractor shall be solely responsible for any defects that may develop under the guarantee period and shall at his own cost rectify such defects when called upon to do so by the Engineer.
- Contractor has to ensure that the data generated is shared live to GSPCB server during the entire tenancy of guarantee period. All correspondence if required has to be done by the contractor with GSPCB.

Part B: Comprehensive Annual Maintenance Contract (CAMC) of software after the expiry of 1 year Guarantee period.

- The Contractor shall quote for maintaining the software for the period of five years and shall enter into comprehensive annual maintenance contract for this period which shall include subscription/updating software as and when

required. All the problems related to software shall be resolved by the contractor at free of cost.

- Contractor has to ensure that the data generated is shared live to GSPCB server during the entire tenancy of CAMC period. All correspondence if require has to be done by the contractor with GSPCB.

5. Qualification Criteria :

- The Bidder shall have successfully supplied and commissioned Weather Monitoring station/ Ambient Air Monitoring station and shall have the experience in sharing the data live on server during last 7 (Seven) years ending last day of month previous to the one in which quotations are invited for Central Govt. / State Govt. / Port Sector / PSU or any reputed organization

6. Special terms And Condition:

- i. The contractor is advised to visit MPT site at his own cost before quoting.
- ii. The work shall be carried out as per the site condition and as directed by the Engineer in Charge.
- iii. The price quoted should be inclusive of all expenses.

BILL OF QUANTITIES

Name of the work: Supply installation, testing and commissioning (SITC) of (Anemometer) of new wind speed Anemometer with its associated equipment's at Berth no:11.

Sr. No.	Description of work	Unit	Qty	Rate per Unit (Rs.)	Total Amount (Rs.)
	Part A				
1	Supply and installation(SITC) of 3-cup wind speed Anemometer as per specification at 3.1	no.	1		
2	Supply and installation of Data logger as per specification at 3.2	no.	1		
3	Software for direct connectivity to GSPCB server as per specification at 3.3	no.	1		
4	Supply and installation of Hooter and Tower lamp as per specification at 3.4	no.	1		
5	1 KVA UPS as per specification at 3.5	no.	1		
6	Installation and Commissioning Charges as per specification at 3.6	LS	1		
	Total Part A				



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Part B					
	Comprehensive Annual Maintenance Contract (CAMC) of software				
1	CAMC for 1st year	no	1		
2	CAMC for 2nd year	no	1		
3	CAMC for 3rd year	no	1		
4	CAMC for 4th year	no	1		
5	CAMC for 5th year	no	1		
	Total Part B				
	Total(Part A + Part B)				

(In words Rupees

_____ only)

Note: The prices offered should be exclusive of GST (%) . GST will be paid extra as applicable.