

NOTICE INVITING BUDGETORY OFFERS

Name of Work	“SITC OF LED DISPLAY BOARD FOR CAAQMS AT PORT INSITITUTE AND CMC FOR A PERIOD 5 YEARS AFTER COMPLETION OF GUARANTEE PERIOD OF 1 YEAR”
Date of submission of budgetary quotation	On or Before 28.08.2024 at 15.00 Hrs.
Address for communication:	Executive Engineer (E-HR), 2nd floor, Electrical Harbour section, Mormugao Port Authority, Admin. Building, Headland sada Vasco-de-Gama Goa - 403804
Contact Details	Phone : (0832) 2594207, 2594253 Email: mohamed.shaik@mptgoa.gov.in
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EXECUTIVE ENGINEER (E-HR)
MORMUGAO PORT AUTHORITY



MORMUGAO PORT AUTHORITY
ENGINEERING MECHANICAL DEPARTMENT
POWER HOUSE SECTION



Sub: "SITC OF LED DISPLAY BOARD FOR CAAQMS AT PORT INSITUTE AND CMC FOR A PERIOD 5 YEARS AFTER COMPLETION OF GUARANTEE PERIOD OF 1 YEAR"

Ref: Budgetary Quotation No. CME/XEN(E-HR)/PH/P-11/2024/04

Mormugao Port Authority intends to carryout work of **"SITC OF LED DISPLAY BOARD FOR CAAQMS AT PORT INSITUTE AND CMC FOR A PERIOD 5 YEARS AFTER COMPLETION OF GUARANTEE PERIOD OF 1 YEAR"**.

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 enclosed at Annexure- II).

Your budgetary quotation should reach to this office on or before **28.08.2024** at **1500** Hrs.

Thanking you,

Yours sincerely,

EXECUTIVE ENGINEER (E-HR)

ANNEXURE-I

TITLE OF WORK: “SITC OF LED DISPLAY BOARD FOR CAAQMS AT PORT INSITUTE AND CMC FOR A PERIOD 5 YEARS AFTER COMPLETION OF GUARANTEE PERIOD OF 1 YEAR”

1. GENERAL

Mormugao Port Authority proposes to carry out the work of Replacement of LED display board installed for CAAQMS at Mormugao Port Institute as per technical specifications and thereafter Comprehensive maintenance of this board for a period of 5 years after completion of 1 year guarantee period.

2. SCOPE OF WORK

2.1 The work involves,

- a) Disconnecting, removing, shifting and handing over of existing 6ft x 4ft LED display board along with all accessories and enclosure to MPA, MM division, Baina. The LED board shall be handed over without any damages.
- b) Supply, Installation, Testing & Commissioning of 6ft x 4ft LED display board along with software, all accessories and enclosure as per technical specification.
- c) Comprehensive maintenance of this board for a period of 5 years after completion of 1 year guarantee period.

The bidder is advised to inspect the site and assess the work involved in detail. The bidder shall take into account any fittings, accessories, apparatus, modifications or any other works not specifically indicated in the tender but otherwise essential for overall completion of the work before submitting his offer and the same shall be deemed to have been included in the scope of supply. The contractor shall carry out the work as directed by Engineer in charge.

2.2 STANDARDS

The supply, installation, testing and Commissioning of the LED display board and accessories covered in this specification shall comply with relevant IS standards with latest amendments.

2.3 WARRANTY

The entire work shall be guaranteed for 12 months from the date of successful commissioning.

2.4 COMPLETION PERIOD

The SITC work shall be completed within 45 days from the issue of LOA or Purchase Order, whichever is earlier.

2.5 COMPREHENSIVE MAINTENANCE OF LED BOARD

- The Comprehensive Maintenance shall include maintenance of new LED display board including supply of consumables, software patches & spares for maintaining the system in running condition at all times during the currency of contract. The comprehensive maintenance period of 5 years will commence immediately after completion of 1 year guarantee period.
- Preventive Maintenance: During the CMC and guarantee period the service engineer shall visit the site once in a month for preventive maintenance and replace unserviceable materials/consumables without incurring any additional cost to Port.
- Breakdown Visits: During the CMC and guarantee period the service engineer shall visit the site and resolve all breakdowns including replacement of unserviceable materials/consumables without incurring any additional cost to Port.
- The vendor shall Install/Maintain software & update patches regularly and ensure that the received data from CAAQMS is displayed satisfactorily on the LED display board. The software patches/upgrades shall be updated into the system free of cost whenever the OEM releases the upgrades/patches.
- Payment will be made quarterly on satisfactory maintenance of the LED board during the currency of contract. (No additional payment shall be made for visits of Service Engineer during breakdowns)
- In case of any technical issues with the system, vendor shall depute his service engineer and resolve the issue within 24 hours
- Spurious consumable and spares shall not be used.

2.6 TECHNICAL SPECIFICATIONS:-

The installation of LED display board shall be carried out for CAAQMS at Port institute.

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a. Supply of LED display board.

- LED display board shall be of size 6ft x 4 ft and shall comply with Indian standards (IS).
- The software support along with valid software license of the LED display board shall be for a minimum period of 6 years from the date of successful commissioning and handing over.
- The enclosure for LED board shall be of GI sheet, IP 65 compatible with canopy. Back side door shall be provided for maintenance purpose. Suitable rubber gasket shall be provided for preventing water ingress. The design of the enclosure shall be in such a way that it prevents rodents, reptiles & weeds from entering into the system. The enclosure shall be covered on all sides except in the front side. The canopy should have a slanting design. Enclosure shall have a lock-key system to avoid unauthorized access.
- The detailed technical specifications of the LED board is tabulated below:

Description	Specification
LED display board	P6 Full Color data
LED Color	Full Color
Pitch	6mm
Connectivity	Ethernet, Wifi and USB
Data feeding	Manual and Auto
Dimensions	6 x 4ft
Resolution (w x h)	32 x 32 pixels
Density	$\geq 27,777$ pixel /m ²
Colors	32 bit (2 ³²)
View Angle (min, 50% brightness)	H \geq 110° V \geq 110°
Contrast Ratio	<5000:1
Brightness (calibrating value)	7,500 nits
Refresh Rate	480Hz~3000Hz
Lifetime (50% Brightness)	\geq 60,000 hrs
Operating Humidity Range	Operating 10~96%
Operating Temperature	-20°C ~ +60°C
Ingress Protection	Front IP67
Certification	CE, RoHS, EM
Viewing distance	Upto to 30 Mtr
Scrolling turn page utility	Yes
Font size	Custom as per user requirement

b. Installation of LED display board.

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- i. The LED board shall be connected to the existing desktop PC and shall accept data from the existing CAAQMS software automatically and update the LED display every 15 minutes. The LED board should be compatible with the existing desktop PC and CAAQMS system software/hardware. The LED display board shall be integrated to the existing CAAQMS system. The LED display board shall be installed in existing MS structure at about 3 metre height at a distance of approximately 15 meter from CAAQMS. Any modification of the existing MS structure shall be in the scope of the contractor. All the materials such as power cables, control cables, network cables, cable termination accessories etc. required for connection & commissioning of the LED board shall be in the scope of the contractor. All cables shall be laid overhead with suitable GI guide wire support & insulators. LED board/ MS structure shall be grounded to the existing earth pit.
- ii. The LED enclosure shall be painted with one coat of primer paint & two coats of epoxy finish paint. The combined Dry Film Thickness (DFT) of paint shall be 60microns. All accessories required for completing the work shall be in the scope of contractor.
- iii. The work shall be carried out by the contractor with all materials and labours, as directed by Engineer-in-Charge.
- iv. The existing analysers are from M/s ENVEA(France). The details of existing CAAQMS equipment's are listed as below:

Sr No.	EQUIPMENT	Qty.
1	SO2 ANALYSER	01no.
2	NOX ANALYSER	01no.
3	MGC CALIBRATOR	01no.
4	DUST ANALYZER	02nos.

3. SPECIAL TERMS AND CONDITION:

- 3.1 The contractor at his own cost may visit MPA site, before quoting for the offer if necessary.

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- 3.2 Power supply shall be provided to contractor free of cost from the nearest available point for execution of the work however the supply cable has to be arranged by the contractor.
- 3.3 All the material required for execution of the work has to be arranged by contractor at his own cost.
- 3.4 After completion of the subject work, the contractor shall clear the area of any unwanted scrap while handing over.
- 3.5 Work shall be carried out following all environmental norms.
- 3.6 Contractor shall follow all safety regulations as per relevant and prevailing standards.

Name of the Tender: **SITC OF LED DISPLAY BOARD FOR CAAQMS AT PORT
INSITUTE AND CMC FOR A PERIOD 5 YEARS AFTER
COMPLETION OF GUARANTEE PERIOD OF 1 YEAR**

Sr. No.	Description of work	Unit	Qty.	Rate per Unit (Exclusive of GST)	Amount exclusive of GST	GST %
1	Supply, Installation, Testing & Commissioning of LED display board for CAAQMS at Mormugao Port Institute as per Scope & Technical Specification at Annexure I					
	a) Supply	No.	01			
	b) Installation, Testing & Commissioning	No.	01			
2	Charges of Comprehensive maintenance of new LED display board after completing one year guarantee period					
	First contract year	No.	01			
	Second contract year	No.	01			
	Third contract year	No.	01			
	Fourth contract year	No.	01			
	Fifth contract year	No.	01			
TOTAL (Exclusive of GST)						

(In words Rupees _____ only)

- Note:** 1) The rates quoted above shall be exclusive of GST.
2) Applicable GST shall be paid to the concerned authority by the Contractor and documentary evidence of the same shall be produced to MPA for reimbursement at actual.