

## NOTICE INVITING EXPRESSION OF INTEREST

Name of Work	<b>NAME OF WORK: “REPLACEMENT OF CENTRALISED AC UNIT AT AO BUILDING.”</b>
Date of submission of budgetary quotation	On or Before <b>08.05.2026 at 15:00 Hrs.</b>
Address for communication:	Executive Engineer (E-HL), 1st floor, Electrical Headland section, Mormugao Port Authority, Admin. Building, Headland sada Vasco-da-Gama Goa – 403804
Contact Details	Phone: (0832) 2594241, 2594244, 2594256 Email: xene.mpa@mptgoa.gov.in
Website	<a href="http://www.mptgoa.gov.in">www.mptgoa.gov.in</a>

**EXECUTIVE ENGINEER (E-HL)  
MORMUGAO PORT AUTHORITY**

**MORMUGAO PORT AUTHORITY**  
**MECHANICAL ENGINEERING DEPARTMENT**

**EXPRESSION OF INTEREST [EOI] FOR REPLACEMENT OF CENTRALISED AC UNIT AT**  
**AO BUILDING.**

Mormugao Port Authority intends to invite Expression of Interest from firms who have executed and successfully completed the works of Replacement of Centralised AC Unit at AO Building. The Expression of Interest (EOI) documents can be down loaded from the Mormugao Port Authority website [www.mptgoa.gov.in](http://www.mptgoa.gov.in). Copy of EOI documents is also available in **Executive Engineer (E-HL)**'s Office during all working days.

The complete EOI (Expression of Interest) shall be submitted with supporting documents on or before **08.05.2026**.

**EXECUTIVE ENGINEER**  
**MORMUGAO PORT AUTHORITY**

# **EXPRESSION OF INTEREST [EOI] FOR REPLACEMENT OF CENTRALISED AC UNIT AT AO BUILDING**

## **1.0 GENERAL**

MPA intends to undertake Replacement of Centralised AC Unit at AO Building. To facilitate preparation of detailed tender documents, reputed and experienced firms are invited to submit their Expression of Interest (EOI).

### **Scope of EOI Submission:**

Interested firms shall provide the following:

- a. Technical Scheme
  - i. Concept design or system architecture
  - ii. Process flow/ technical methodology
  - iii. Key equipment or system components.
- b. Technical specifications
  - i. Detailed specifications of proposed equipment/materials.
  - ii. Applicable standards and performance parameters.
- c. Preliminary Bill of Quantities(BoQ)
  - i. Major equipment list
  - ii. Estimated quantities
  - iii. Indicative technical configuration
- d. Company Credentials
  - i. Company profile
  - ii. Relevant project experience
  - iii. Key technical staff details

## **2.0 INTRODUCTION**

The centralised AC unit system at MPA is of 33.5TR, which was installed in the year 1997 at the time of construction of Administrative office (AO) Building and provides cooling to cabins of Chairperson's and Dy. Chairperson's, their back offices and Board room all of which are located at top floor of Administrative building.

This centralised AC unit system consists:-

- a. Packaged units (7.5Tr x 3 and 11Tr capacity)
- b. Circulation pumps (2x7.5Hp)

- c. Cooling tower (80Tr capacity)
- d. Ducting system
- e. Piping systems

This AC system controls the temperature of the VIPs' cabin/chamber and back office as follows:

- i. Chairperson's Cabin and back office: 7.5 TR x 2 nos.
- ii. Board room: 7.5 TR x 1 no.
- iii. Dy. Chairperson's Cabin and back office 11 TR x 1 no.

**Port intends to replace the existing Centralised AC Unit system with a new system having individual temperature control in each section. The replacement work shall be done without effecting the false ceiling and the existing duct shall be used.**

### **3.0 SCOPE OF WORK:**

- a. Dismantling of existing Centralised AC unit system except ducting. All the old Material removed shall be shifted to MM scrap yard by the contractor. The existing duct shall be used for new system.
- b. Identify suitable technical solution & appropriate scheme which shall ensure efficient cooling in desired area by complying with environmental and energy standards.
- c. The new system shall provide individual unit/area wise temperature control through wireless remote.
- d. The replacement work shall be done without effecting existing aesthetic look of office premises and false ceiling.
- e. Comprehensive Maintenance contract for a period of 5 years after completion of one year free guarantee period.

The bidder will be responsible for the following:

#### **1. Design:**

- o The bidder shall carry out selection of packaged units, circulation pumps, cables, panels piping system, gauges, valves etc. based on the existing ducting system and Heat load calculation.
- o Adequate redundancy is to be taken into consideration while refurbishing the system.
- o The package units are to be connected to the existing ducting.
- o The design of the packaged units shall be such that air flow is noiseless.

- System shall automatically restart after power failure at pre-set temp.
- The bidder shall prepare layout drawings for the system and obtain prior approval of MPA for the proposed capacity of the package units and other items.
- **NOTE:** The Contractor shall be responsible and shall make good at his own risk and cost for any alterations of the work required due to any discrepancies, errors or omissions in the design, drawings or other particulars supplied by him, whether such design, drawings or other particulars supplied by him, have been approved by the MPA or not without incurring any additional expenditure to the Port.
- The new system shall be provided in such a way that temperature inside the rooms is maintained at 20 deg. Celsius when ambient temperature is 42 deg. Celsius. The new system shall provide individual unit/ area wise temperature control through wireless remote and shall ensure efficient cooling, compliance with environmental and energy standards.
- Providing earthing system for centralised AC unit system The design shall be as per relevant IS standards.

## 2. **Testing and Commissioning:**

- Testing of the AC system shall be carried out as per OEM's standard and shall also include Nitrogen pressure testing of refrigerant piping, Vacuuming and charging of refrigerant.
- Drain pipes shall be checked for leakage.
- Electrical safety testing of system.
- Functional testing of each indoor and outdoor units, controllers, safety features and system as a whole.
- Measurement and Air flow balancing of diffusers and grilles.
- Checks should be carried out for confirming that desired temperature is achieved at segmented blocks/ offices.

## 3. **General Requirements**

- The work shall be executed in accordance with the specifications, IS codes, Indian Society of Heating, Refrigerating and Air Conditioning Engineers (ISHRAE) / Air-Conditioning, Heating, and Refrigeration Institute (AHRI) standards, and the approved design drawings.
- All equipment, materials, and workmanship shall conform to relevant Indian Standards (IS), ISHRAE / relevant standards.
- The installation shall be complete in all respects, ready for testing and commissioning.
- The contractor shall if required should coordinate with civil, electrical, IT and DC Dept. during execution of work.
- All necessary scaffolding, supports, cutting, patching, sealing, and making good the surfaces shall be included in the contractor's scope.

**4. Documentation:**

- Submission of drawings, test reports, commissioning reports, operation and maintenance manuals, and as-built documentation.

**5. Warranty & Maintenance:**

- Final inspection with MgPA.
- Rectification of punch list items.
- Submission of performance test reports.
- Submission of as-built drawings (layouts, wiring, ceiling details).
- O&M manuals, warranty certificates, and test reports.
- On-site training to client's staff for system operation and troubleshooting.

**6. BUDGETARY OFFER**

- The firms shall submit their budgetary offer along with all technical details and detailed scope of work. The budgetary offer shall contain detailed scheme, scope of work & item-wise breakup for the entire system.

**7. PERIOD OF VALIDITY**

- The budgetary offers of the EOI firms shall remain valid at least for a period of **SIX MONTHS** from the date of opening of the EOI.

**8. EOI DOCUMENT**

- The firms are expected to examine the terms and conditions and broad scope of work in the EOI documents. Firms may visit the site to get acquainted with the site conditions before preparing the detailed scope of work and the budgetary offer.

9. **GENERAL TERMS AND CONDITIONS:**

- On award of work, the time period for completion of the work is 180 days. The work shall be contracted out through open tender under two cover system.
- The price quoted by the firm shall be kept fixed for the entire contract period. 70% payment of the total contract price shall be released after supply of all material at site. Balance 20% of the amount shall be released after successful commissioning & 10% after handing over.

10. **EOI SUBMISSION**

- The EOI shall be submitted on or before 08.05.2026 at 15:00hrs containing the budgetary offer along with technical details with terms and conditions either by hand or post or by e-mail.
- The EOI shall be addressed to the following address:

**Executive Engineer (E-HL),**

1st floor, Electrical Headland section,  
Mormugao Port Authority,  
Admin. Building,  
Headland sada  
Vasco-da-Gama  
Goa – 403804  
Email : xene.mpa@mptgoa.gov.in

## **BILL OF QUANTITIES (Indicative)**

Name of the Work: **REPLACEMENT OF CENTRALISED AC UNIT AT AO BUILDING**

Sr. No.	Item description	Qty.	Unit	Rate/ Unit (Rs.)	Amount Excl. of G.S.T	GST %
A	B	C	D	E	F = E x C	G
1	Dismantling and shifting of the existing centralized AC unit as per scope of work.	1	No.			
2	Design, Supply, Installation, Testing and Commissioning of new Centralized Air Conditioning system complete as per Scope & technical specification					
	a. Supply	01	No			
	b. Installation, Testing & Commissioning	01	No			
3	Comprehensive Maintenance contract after 1 year free guarantee period					
	a. CMC charges for 1 <sup>st</sup> year	01	YR			
	b. CMC charges for 2 <sup>nd</sup> year	01	YR			
	c. CMC charges for 3 <sup>rd</sup> year	01	YR			
	d. CMC charges for 4 <sup>th</sup> year	01	YR			
e. CMC charges for 5 <sup>th</sup> year	01	YR				
<b>TOTAL(Exclusive of G.S.T)</b>						

(In words Rupees \_\_\_\_\_ only)

### **Note:**

- 1) The quantities given in this schedule are for indicative purpose only. However the bidder is free to modify the BOQ as per site requirements and quote for the same.**
- 2) Bidders are required to furnish major equipment list, estimated quantities, detailed specifications of proposed equipment/material, applicable standards and performance parameters and indicative technical configuration.**
- 3) All required civil and structural works, leveling, foundations, drains and trenches are in the scope of bidder.**
- 4) However the bidders are free to design their own sequence of construction and furnish the details in the relevant format attached with the EOI. The MPA reserves their right to accept the methodology suggested by the Bidders and/or direct them to revert the methodology indicated above, if in the opinion of the MPA, the alternative methodology suggested by them shall not meet the intended purpose.**
- 5) Firms may visit the site to get acquainted with the site conditions before preparing the detailed scope of work and the budgetary offer.**
- 6) The rates quoted above shall be exclusive of GST.**