

## **NOTICE INVITING BUDGETORY OFFERS**

Name of Work	<b>NAME OF WORK : “Supply, installation, testing and commissioning of 8 nos. 2TR Tower type Air-conditioners at Port hospital”</b>
Date of submission of budgetary quotation	On or Before <b>28/02/2023 at 11:00 Hrs.</b>
Address for communication:	Executive Engineer (E-HL), Mechanical Engineering Department, Mormugao Port Authority, Electrical Section, 1st Floor, Admin. Building, Headland sada Vasco-de-Gama Goa - 403804
Contact Details	Phone : (0832) 2594241, 2594244 Email : <a href="mailto:xene.mgpt@gmail.com">xene.mgpt@gmail.com</a>
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**EXECUTIVE ENGINEER (E-HL)  
MORMUGAO PORT AUTHORITY**

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

**Sub: Supply, installation, testing and commissioning of 8 nos. 2TR Tower type Air-conditioners at Port hospital**

**Ref: Budgetary Quotation No. CME/XEN(E-HL)/MM/2023/M3**

Mormugao Port Authority intends to procure & install 2TR Tower type, Non-Invertor Air-conditioners. As such, kindly furnish the budgetary quotation for the same (Scope of work enclosed as Schedule - 'A' and Price Schedule enclosed as Schedule - 'A1').

Your budgetary quotation should reach to this office on 28.02.2023.

Thanking you,

Yours sincerely,

**EXECUTIVE ENGINEER (E-HL)**

**TECHNICAL SPECIFICATION****Introduction:**

Mormugao Port Authority (formerly known as Mormugao Port Trust) is one of the oldest ports on the West Coast of India located in the state of Goa, commissioned in 1885. This port is one among twelve major ports in India. This port is midway between ports of Mumbai and New Mangalore Port is blessed with a protected open type natural harbour. Over the years, it has developed a deep draft channel. With its location at the mouth of the Zuari River, it is a crucial component in the flourishing export industry of the state of Goa. It became one amongst the major ports of the country in 1964.

**1.0. General :**

Mormugao Port Authority (MPA) invites budgetary quotations for “Supply, Installation, testing and commissioning of Tower type Air-conditioners at Port hospital”.

**2.0. Scope of Work**

The Scope of work broadly involves Supply, Installation, testing & commissioning of non- inverter 3 star rating 2TR tower AC's complete with mounting kit and all other accessories at Port hospital

- 2.1. Supply of 08nos 2 TR Tower non-inverter air-conditioner 3 star rated, single phase. Installation of A.C's at Port hospital Operation Theatre complex (OT).
- 2.2. The work shall be carried out as per relevant IS standards and IE rules.

**3.0 Detailed Technical Specifications****3.1 Air Conditioners**

The Contractor shall supply, installation, testing and commissioning of non-inverter type 2TR tower type AC's complete with all accessories at Port hospital as per the technical specification given below.

**a) Non-Inverter Tower Air conditioner 2TR**

<b>Sr. No.</b>	<b>Parameter</b>	<b>Specification</b>
1.	Cooling Capacity	2 TR
2.	Star rating	3
3.	Electrical input	180V-270V/50Hz/Single Phase
4.	Air flow rate	600 CFM or more
5.	Fan speed	3 Steps
6.	Function modes	Auto/Cool/Fan/Dry – shall have power saving mode, temperature setting option should be available, ECO mode
7.	Outdoor unit	Anti-corrosive Blue fins, Highly rust resistant casing for

		all weather conditions
8.	Air filtering unit	Dust proof and anti-bacteria filter
9.	Tubing	100% Copper, Min. Length 3 Mtr.
10.	Remote control	Wireless with Backlight display
11.	Refrigerant type	R-32 or R-410A
12.	Warranty	OEM standard warranty from the date of supply.
13.	Evaporator fins (Indoor unit)	Anti-corrosive Blue fins
14.	Acceptance Criteria	Tower AC should conform to IS 1391(part 2)-1992, room AC specification.
15.	OEM ISO certification	ISO-9001 & ISO 14001
16.	Drain pipe	5/8" PVC white rigid pipe

b) Voltage Stabilizer for Air conditioners

Sr. No.	Stabilizer Specification	
1.	Rating in KVA:	4.0 KVA and above
2.	Type of winding:	Copper
3.	Input Single Phase sine wave:	160V-260V
4.	Mounting Type:	Wall mounting
5.	Warranty	5 Years

**Note: Item shall be procured from original manufacturer or from their authorized representative i.e. dealer/distributor/stockiest etc.**

c) Installation, testing and commissioning of Air conditioners

- Installation of tower Air Conditioners as per OEM standards at the designated locations at Port hospital.
- Spares such as outdoor unit mounting bracket is under contractor's scope.
- The Cu pipes, drain pipes, power supply cables, insulating foam, wrapping tape required for interconnection of outdoor unit with indoor unit upto a length of 3 metres is under contractor's scope. Any additional length more than 3 meters of the above materials which are required for completion of work will be paid at actuals.
- For drain pipe 5/8" PVC white rigid pipe to be used for the entire length and 5/8" braided hose pipes shall be used to connect the PVC rigid pipe to indoor unit. The pipes shall be fixed using GI clamps, elbows, connectors & bends of suitable size as necessary. Cu pipes, power supply cables, foams have to be used as per OEM standards. Power supply cables shall be used of single length without any joints.
- Civil works such as drilling of holes in the wall for passing AC pipes, cables etc. and re-plastering with white cement to the satisfaction of Engineer-In-Charge is under contractor's scope.

- Miscellaneous items for laying Cu tubing, drain pipe & power cables like saddles, fitting materials, screws, nuts, fasteners, jointers, sealants, etc. as required to be provided by the Contractor to commission the system successfully.

#### **4.0 Special Conditions of Contract**

- 4.1 The Bidder shall be either an Original Equipment Manufacturer (OEM) or an authorized certified partner/authorized dealer of an OEM.
- 4.2 The Bidder shall inspect the site for installation at Port hospital, to ascertain the quantum of work before submitting their bid.
- 4.1 PRICES: Prices quoted should be on F.O.R. destination basis inclusive of transit insurance indicating clearly the quantum of taxes and other charges whatsoever applicable. The prices should be firm. However, in case of any statutory revision in taxes within the delivery period of supply order, the same will be considered provided you furnish documentary evidence such as copy of Govt. notification.
- 4.2 TAXES: Applicable GST at the time of delivery during the contractual period will be paid extra.
- 4.3 COMPLETION PERIOD: The A.C's are to be supplied & installed within 4 weeks of receipt of the purchase order/LOA, at Port, Vasco-da-Gama, Goa, duly insured at your cost.
- 4.4 PACKING: The materials shall be duly packed to withstand the hazards of transportation.
- 4.5 INSPECTION: The material will be inspected by our Quality Control Officer on receipt at our Stores. Any damage to the items during transportation shall be to Supplier's account. If the supplied items are rejected due to any defects/quality, the supplier has to make his own arrangements at his cost to lift the rejected materials and to replace the same immediately.
- 4.6 All the quantities indicated in the price schedule/BoQ are indicative. However, the work shall be carried out as per site conditions. Payment will be released as per actual executed quantities after completion of work. Payment shall be released by ECS/EFT/RTGS within 30 days of successful completion & commissioning of work and receipt of bills, whichever is later.
- 4.7 Offers should not contain any sort of conditional discounts based on quantity or value of order.

**SCHEDULE OF PRICES AND QUANTITIES**

**PRICE SCHEDULE**

<b>Sr. No.</b>	<b>Item description</b>	<b>Qty.</b>	<b>Unit</b>	<b>Rate/ Unit (Rs.)</b>	<b>Amount Excl. of G.S.T</b>	<b>GST %</b>
<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F = E x C</b>	<b>G</b>
1	Supply, installation, testing and commissioning of 2 TR Tower non-invertor air-conditioner 3 star rated, single phase. including all accessories, voltage stabilizer and as per Scope & technical specification at Schedule 'A'					
a	Supply	08	nos			
b	Installation, testing and commissioning	08	nos			
2	Supply, laying & fixing of Cu pipes, drain pipes, power supply cables, foams for 2TR Tower AC's as per Scope & technical specification at Schedule 'A'(additional)	50	m			
<b>TOTAL(Exclusive of G.S.T)</b>						

(In Words Rupees \_\_\_\_\_ only exclusive of GST)

**Note: The rates quoted shall be inclusive of freight, packing & forwarding, insurance but exclusive of GST. Applicable GST shall be paid extra as applicable.**

**Date:**

**Signature:**

**Place:**

**Name:**

**Address:**

**Office Seal of firm**