

MORMUGAO PORT TRUST
ENGINEERING MECHANICAL DEPARTMENT

NOTICE INVITING BUDGETORY OFFERS

Name of Work	NAME OF WORK "AMC of Air conditioners and Water coolers at MPT"
Date of submission of budgetary quotation	On or Before 26 /09/2016 at 1500 Hrs.
Address for communication:	Executive Engineer(E-HL), Mechanical Engineering Department, Mormugao Port Trust, Electrical Section, 1st Floor, Admin. Building, Headland sada Vasco-de-Gama Goa - 403804
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CHIEF MECHANICAL ENGINEER
MORMUGAO PORT TRUST

1. SCOPE OF WORK:-

1.1 The Port maintains around 200 nos. of room air conditioners, and 15 nos. water coolers at various location of the port viz A.O building, Port Hospital, Port Bungalows, Guest house, MM complex Baina Workshop etc as detailed at **Annexure-I**

1.2 The Contractor shall deploy 4 nos. Skilled AC Technicians to carry out the regular Preventive Maintenance/Breakdown Maintenance & Servicing of ACs, water coolers including gas charging.

1.3. All tools and tackles shall be arranged by the contractor including gas charging unit. Charging gas will be supplied by the Port.

1.4. The required spares are listed in **Annexure- II** shall supply from MPT MM Stores through ARC Contract. Initially during commencement of work Port will supply 30% spares and subsequently, as on when basis Port will supply the spares.

1.5 The following Contract Staff (manning) proposed for carry out said AMC Contract with Port staff.

Sl. No.	Qualification	Experience
1.	ITI (Air-conditioner) from Recognized Institute	3 years in the field of AC work.
2.	ITI (Air-conditioner) from Recognized Institute	3 years in the field of AC work.
3.	ITI (Air-conditioner) from Recognized Institute	3 years in the field of AC work.
4.	ITI (Air-conditioner) from Recognized Institute	3 years in the field of AC work.

1.6. Duty Timing:

The technicians should be present from 8:30 A.M. to 5:30 P.M. from Monday to Saturday for attending the work except Sunday and other Government holidays.

1.7. The attendance register/Muster roll will be maintained by Port Engineer's representative in his custody.

1.8 Penalty:

Other than Sundays and holidays if the technician avails leave the penalty of one day salary + Rs.200/- will be imposed

2. TECHNICAL SPECIFICATION

(i) As per the scope of work, the contractors staff shall carry out the servicing, replacing the spares (supplied by Port), as shown in Annexure-II, including gas charging (gas cylinder supplied by Port). However tools & tackles including gas charging shall be arranged by the contractor.

(ii) The list of AC units is shown in Annexure-I for carrying out the Repair & Maintenance with complete accessories.

Annexure-I.

Annual Maintenance Contract of Air Conditioners and Water Coolers

List of Air conditioners and Water Coolers

Sr. No.	Description	Qty
1	1.5TR Window	28
2	2.0TRWindow	7
3	1.0TR single split	4
4	1.5TR single split	46
5	2.0TR single split	28
6	1.5TR slimline tower	24
7	2.0TR slimline tower	35
8	2.5TR slimline tower	10
9	4.0TR split tower	1
10	2.0TR Multisplit	3
11	3.0TR Multisplit	7
12	4.0TR Multisplit	4
13	8.5TR Ductable split	1
14	7.5TR Ductable split	1
15	5TR Ductable split	1
Total		200
Water Cooler		
1	150Ltrs./80Ltrs/40Ltrs/20Ltrs	15

Annual Maintenance Contract of Air Conditioners and Water Coolers

List of Spares:

Sr. No.	Description	Qty per Year
I	Start Capacitors (Metallic type) :Make : Havells, Epcos	
	(a) 80/100 MFD	6
	(b) 100/120 MFD	6
	(c) 40/60 MFD	4
II	Run Capacitors (Metallic type) :Make : Havells, Epcos	
	(a) 36 MFD	11
	(b) 45 MFD	11
	(c) 50 MFD	10
III	Fan Capacitor (Metallic type) :Make : Havells, Epcos	
	(a) 1.5 MFD	10
	(b) 2.5 MFD	10
	(c) 3.5 MFD	10
	(d) 4 MFD	10
	(e) 6 MFD	10
	(f) 8 MFD	10
	(g) 10 MFD	10
	(h) 15 MFD	10
IV	Starting Relays for 1.5TR/2TR AC Make : L&T	5

Sr. No.	Description	Qty
V	(a) Contactors L&T make type ML 1.5, coil voltage 240V.	6
	(b) Contactors Simens make , 1 pole, 20A, coil voltage 240V.	10
VI	Condenser Coil (Copper)	
	(a) 1.0 TR	2
	(b) 1.5 TR	3
	(c) 2.0 TR	3
	(d) 3.0 TR	2
	(e) 4.0 TR	2
VII	Compressors Make: Hitachi, Toshiba and Mitsubishi	
	(a) 1.0 TR	3
	(b) 1.5 TR	5
	(c) 2.0 TR	5
	(d) 3.0 TR	2
	(e) 4.0 TR	2
VIII	Fan motor (outdoor) Make: GE, CG, Kirloskar, PICL	6
IX	Fan blade (Fibre)	6
X	Fan Motor(indoor) Make: GE, CG, Kirloskar, PICL	4
XI	Thermostat Make: Denfos	4
XII	Filter drier Make : synergy, Denfos	6
XIII	PCB Boards	14
XV	Gas charging	L.S

PRICE SCHEDULE (BILL OF QUANTITIES)

NAME OF WORK: **AMC FOR AIR CONDITIONERS AND WATER COOLERS AT**
MPT

Sr. No.	Description	Qty	Unit	Rate / Unit in (Rs.)		Amount (Rs)
				In figure	In words	
1	Providing manning (skilled AC technician-4nos.) for servicing /breakdown maintenance of Split / Window /Tower / Ductable units/Water coolers at MPT site as per technical specification.					
	(i) 1 st Year	12	Month			
	(ii) 2 nd Year	12	Month			
	(iii) 3 rd Year	12	Month			

(Rupees _____ only)

Note: The rates shall be inclusive of all taxes and duties except service tax which will be paid extra as applicable. However, if new tax is imposed by Central/State Government, the same will be reimbursed on submission of documentary evidence.