



**MORMUGAO PORT TRUST**  
**ENGINEERING (CIVIL) DEPARTMENT**

**FACE SHEET TO ACCOMPANY THE TENDER DOCUMENTS**

- A. 1. Name and full address of the Contractor to whom the Tender Documents are issued. :
2. Whether registered with Engineering (Civil) Department, if so, class of registration. :
3. If not registered, reference to the letter of the Chief Engineer authorising issue of the tender Documents. :
4. Date of issue of Tender Documents. :

\_\_\_\_\_  
Assistant Engineer (Accts)

- 
- B. 1. Name of work: **Providing HVAC System for Cruise Terminal Building at Mormugao Harbour.**
2. Cost of each set of Tender Documents : Rs. 2,000/-
3. Date of Issue of Tender Documents : From : 28/04/2016  
To : 19/05/2016
4. Date of receipt of tender and time : 20/05/2016  
Upto 15.00hrs
5. Date of opening of tender and time : On 20/05/2016  
at 15.30 hours.
6. Form of contract : Item Rate
7. Whether tender received in duplicate : Yes/No
8. Whether rates have been quoted in the tenders both in words and figures. : Yes/No.
9. Total No. of Tenders received for the work :

\_\_\_\_\_  
Dy. CAO (CWC)

\_\_\_\_\_  
EXECUTIVE ENGINEER (P&C)



An ISO 9001 : 2008 Port  
ISPS CODE Compliant

**MORMUGAO PORT TRUST**  
**ENGINEERING (CIVIL) DEPARTMENT**

**TENDER No.: CE/ 37 /2016**

**Name of Work : Providing HVAC System for Cruise Terminal Building at  
Mormugao Harbour.**

**S E C O N D C O V E R (PRICE BID)**

**(TO BE SUBMITTED IN SEPARATE SEALED ENVELOPE / COVER)**

Architects

**WTE** Wadia Techno Engineering Services Limited.  
Mumbai.



**MORMUGAO PORT TRUST**  
**SERVING THE NATION SINCE 1885**

**ENGINEERING (CIVIL) DEPARTMENT**  
[www.mptgoa.com](http://www.mptgoa.com)

**NOTICE INVITING TENDER**

**TENDER NOTICE NO. CE/N-370/2016**

**TENDER No.: CE/37/2016**

**Name of Work: Providing HVAC System for Cruise Terminal Building at Mormugao Harbour.**

Item Rate tenders in the prescribed form in sealed covers super scribing the Tender No. and due date and time are invited by the Chief Engineer for the above work as per the details given in the table below:

Cost of tender document	Estimated cost	Tender Sale From/To	Submission on	Opening on
EMD	Completion Time	Pre-Bid Meeting		
Rs.2,000/- (Rupees Two thousand only)	Rs.18,92,900/- (Rupees Eighteen lakhs ninety two thousand nine hundred only)	28.04.2016 to 19.05.2016 Upto 15.00 hrs.	20.05.2016 Upto 15.00 hrs.	20.05.2016 at 15.30 hrs. Technical Bid (Cover No.I)
Rs.28,400/- (Rupees Twenty eight thousand four hundred only)	Four (4) Months	06.05.2016 at 15.30 hrs.		

Detailed tender notice along with complete tender documents can be downloaded from our website [www.mptgoa.com](http://www.mptgoa.com) on or before the last date of sale of tender document. Tenders are also available for sale at the Civil Engineering Department of Mormugao Port Trust.

For further details and general enquiries, prospective bidders may contact the Executive Engineer (Planning), telephone no. 0832 2594611, mobile 09764006075 during working hours before the last date and time of sale of tender document.

**[sd/-]**  
**Chief Engineer**



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**MORMUGAO PORT TRUST**  
**ENGINEERING (CIVIL) DEPARTMENT**

**TENDER No.: CE/37/2016**

**Name of Work: Providing HVAC System for Cruise Terminal Building at Mormugao Harbour.**

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**MORMUGAO PORT TRUST**  
**ENGINEERING (CIVIL) DEPARTMENT**

**TENDER No.: CE/37/2016**

**SECOND COVER (PRICE BID)**

**Name of Work: Providing HVAC System for Cruise Terminal Building at Mormugao Harbour.**

**1 - Preamble to Schedule of Quantities and Rates**

**1. General**

- 1.1** The Schedule of Quantities and Rates must be read with, Conditions of Contract and the Specifications and all relevant standards. The Contractor shall be deemed to have examined, Conditions of Contract and the Specifications and have acquainted himself with all the details of the work to be done and the way the works are to be carried out.
- 1.2** Notwithstanding that the work has been sectionalised every part of it shall be deemed to be supplementary to and complementary of every other part and shall be read with it or into it so far as it may be practicable to do so.
- 1.3** The detailed descriptions of work and materials given in the specification are not necessarily repeated in the bill of quantities.
- 1.4** The quantities given in the bill of quantities are approximate only and are given to provide a common basis for tendering. Payment will be made according to the actual quantities of work ordered and carried out, as measured by the Engineer and valued at the rates and prices quoted in the bill of quantities.

**2. Rates and Prices to be Inclusive**

- 2.1** The rates entered in the Schedule of Quantities by the tenderer shall include the provision of all supporting special equipment, use of power operated cutting tools for plumbing/electrical works, labour of required skill, supervision, materials, overheads and profits, watch and ward, insurance charges, during execution and every incidental and contingent costs and charges, whatsoever, including sales tax on works contract, VAT, Sales tax, entry tax, etc. if any, for compliance with conditions of contract and specification.  
**Service tax as applicable shall be paid extra.**

**2.2** The Specification is intended to cover the supply of material and the execution of all work necessary to complete the works. Should there be any details of construction or materials which have not been referred to in the bill of quantities and drawings, but the necessary for which may reasonably be implied or inferred there from, or which are usual or essential to the completion of all works in all trades, the same shall be deemed to be included in the rates and prices named by the contractor in the Bill of quantities. The rates or prices are to cover the item as described in the bill of quantities, specification or drawings, the description in the bill of quantities shall prevail.

**3. Terms of Payment**

(a) 60% payment will be made against receipt of materials and within 15 days of receipt of bill.

(b) 40% payment will be made after satisfactory completion of work and handing over of the same to the satisfaction of the engineer



**MORMUGAO PORT TRUST  
ENGINEERING (CIVIL) DEPARTMENT**

**TENDER No. CE/37/2016**

**Name of Work: Providing HVAC System for Cruise Terminal Building at  
Mormugao Harbour.**

**2 - SCHEDULE OF QUANTITIES AND RATES**

Sr. No.	Description of Item	Unit	Approx Qty	Rate In Figures and Words Rs.	Amount Rs.
	<b>PART 'A' - SUPPLY OF MATERIALS</b>				
1	Installation, testing and commissioning of Hi-Wall mounted split units complete with cabinet type or fibre body & external condensing unit, complete in all respects, inclusive of all copper refrigerant piping, require Rigid PVC 6kg./cm <sup>2</sup> drain piping, G.I Stand for condensing unit, valve, insulation of Suction & Liquid Refrigerant pipes, thermostats cordless remote control, power, control wiring, earthing, all other accessories & permanent Hydro phobic [Anti corrosive] treatment for ODU Unit and requirement as per below unit :- All materials, equipments, tools & plant, labour, all levels, lifts, etc. complete.				
	<b>GROUND FLOOR</b>				
1.1	1 x 1.50Tr. Hi-wall mounted split unit with one outdoor unit of 1.50Tr. For Waiting Lounge	NUMBER	1		
1.2	1 x 1.0Tr. Hi-wall mounted split unit with one outdoor unit of 1.0TR. For Cambio Room.	NUMBER	1		
1.3	1 x 1.00Tr. Hi-wall mounted split unit with one Outdoor unit of 1.0Tr. For Security Room.	NUMBER	1		
	<b>MEZZAININE FLOOR</b>				
1.4	1 x 1.50Tr. Hi-wall mounted split unit with one outdoor unit of 1.50Tr. For Admin office Room	NUMBER	1		
1.5	1 x 1.50Tr. Hi-wall mounted split unit with one no. each outdoor unit 1.5Tr. for Administration	NUMBER	2		

Sr. No.	Description of Item	Unit	Approx. Quantity	Rate In Figures and Words Rs.	Amount Rs.
	FIRST FLOOR				
1.6	2 x 11.0Tr. Ceiling suspended duct able split unit with each one outdoor unit with 2 nos. scroll compressor for Entertainment Room	NUMBER	2		
1.7	Proposed Shop 1 x 2.0Tr. high wall mounted indoor unit with 1 x 2.0Tr. Outdoor unit	NUMBER	1		
1.8	Proposed Shop [1.x 1.5Tr. high wall mounted indoor unit with 1 x 1.5Tr. Outdoor unit ]	NUMBER	1		
	SECOND FLOOR				
1.9	2 x 11.0Tr. Ceiling suspended duct able split unit each one outdoor unit with 2 nos. Scroll compressor for Cafeteria.	NUMBER	2		
2.0	Installation, testing and commissioning of One No. 3000 CMH Supply air fan for kitchen on Second Floor - Cafeteria	NUMBER	1		
2.1	Installation, testing and commissioning of One no. 3500 CMH Exhaust air fan for kitchen on Second Floor – Cafeteria	NUMBER	1		
3.0	Installation, testing and commissioning of Under deck roof insulation with 30 mm thick & 40 kg./m3 density phenotherm sheet or slab with SS screws and washer / accessories and joints to be sealed with PVC self adhesive tapes. All materials, equipments, tools & plant, labour, etc. complete.	SQUARE METRE	140		
	GROUND , FIRST & SECOND FLOOR				
4.0	Installation, testing and commissioning of 22 nos. 230 mm dia exhaust air fan for Ladies & Gents toilet & Electrical room vent. Free delivery. All materials, equipments, tools & plant, labour, etc. complete.	NUMBER	22		
	SHEET METAL WORK				
5	Installation, testing and commissioning of GSS supply air & return air ducting with factory fabricated complete with appropriate ,Joints support suspenders, cross ties supports adhesives sealants flanges, bolts nuts stiffeners Rexene canvass, anchor fasteners splitter dampers VC. dampers, etc. All materials, equipments, tools & plant, labour, etc. complete.				



Sr. No.	Description of Item	Unit	Approx. Quantity	Rate In Figures and Words Rs.	Amount Rs.
5.1	22 Gauge [0.8 mm th.]	SQUARE METRE	20		
5.2	24 Gauge [0.63 mm th.]	SQUARE METRE	24		
5.3	Extruded aluminium powder coated diffuser with volume control damper	SQUARE METRE	1.2		
5.4	150 mm wide extruded aluminium powder coated grills.	SQUARE METRE	3.42		
5.5	Duct thermal insulation 25 mm	SQUARE METRE	32		
5.6	Duct acoustical insulation	SQUARE METRE	18		
5.7	Fresh Air intake with louvers, dampers and bird screen.	SQUARE METRE	0.2		
	<b>TOTAL - PART 'A' - SUPPLY OF MATERIALS</b>				

TOTAL AMOUNT IN WORDS of **PART 'A' - SUPPLY OF MATERIALS** : Rupees

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Sr. No.	Description of Item	Unit	Approx. Quantity	Rate In Figures and Words Rs.	Amount Rs.
	<b>PART 'B'- EXECUTION OF WORKS</b>				
1	Installation, testing and commissioning of Hi-Wall mounted split units complete with cabinet type or fibre body & external condensing unit, complete in all respects, inclusive of all copper refrigerant piping, require Rigid PVC 6 kg./cm <sup>2</sup> drain piping, G.I Stand for condensing unit, valve, insulation of Suction & Liquid Refrigerant pipes, thermostats cordless remote control, power, control wiring, earthing, all other accessories & permanent Hydro phobic [Anti corrosive] treatment for ODU Unit and requirement as per below unit :- All materials, equipments, tools & plant, labour, etc. complete.				
	GROUND FLOOR				
1.1	1 x 1.50 Tr. Hi-wall mounted split unit with one outdoor unit of 1.50 tr. For waiting Lounge	Number	1.0		
1.2	1 x 1.0 Tr. Hi-wall mounted split unit with one outdoor unit of 1.0 TR for Cambio	Number	1.0		
1.3	1 x 1.00 Tr. Hi-wall mounted split unit with one Outdoor unit of 1.0 Tr. For security	Number	1.0		
	MEZZAININE FLOOR				
1.4	1 x 1.50 Tr. Hi-wall mounted split unit with one outdoor unit of 1.50 Tr. For Admin office	Number	1.0		
1.5	1 x 1.50 Tr. Hi-wall mounted split unit with one no. each outdoor unit 1.5 tr. for Administration	Number	2.0		
	FIRST FLOOR				
1.6	2 x 11.0 Tr. Ceiling suspended duct able split unit with each one outdoor unit with 2 nos. scroll compressor for Entertainment Room	Number	2.0		
1.7	Proposed Shop 1 x 2.0 tr. high wall mounted indoor unit with 1 x 2.0 tr. Outdoor unit	Number	1.0		
1.8	Proposed Shop [ 1.x 1.5 tr. high wall mounted indoor unit with 1 x 1.5 tr. Outdoor unit ]	Number	1.0		

Sr. No.	Description of Item	Unit	Approx. Quantity	Rate In Figures and Words Rs.	Amount Rs.
	<b>SECOND FLOOR</b>				
1.9	2 x 11.0 Tr. Ceiling suspended duct able split unit each one outdoor unit with 2 nos. Scroll compressor for Cafeteria	Number	2.0		
2.0	Installation, testing and commissioning of One no. 3000 CMH Supply air fan for kitchen on second floor - cafeteria	Number	1.0		
2.1	Installation, testing and commissioning of One no. 3500 CMH Exhaust air fan for kitchen on second floor – cafeteria	Number	1.0		
3.0	Installation, testing and commissioning of Under deck roof insulation with 30 mm thick & 40 kg./m <sup>3</sup> density phenotherm sheet or slab with SS screws and washer / accessories and joints to be sealed with PVC self adhesive tapes.	SQUARE METRE	140.0		
	<b>GROUND , FIRST &amp; SECOND FLOOR</b>				
4.0	Installation, testing and commissioning of 22 nos. 230 mm dia exhaust air fan for Ladies & Gents toilet & Electrical room vent. free delivery.	Number	22.0		
	<b>SHEET METAL WORK</b>				
5.0	Installation, testing and commissioning of GSS supply air & return air ducting with factory fabricated complete with appropriate, Joints support suspenders, cross ties supports adhesives sealants flanges, bolts nuts stiffeners Rexene canvass, anchor fasteners splitter dampers VC. dampers, etc.				
a	22 Gauge [ 0.8 mm th. ]	SQUARE METRE	20.0		
b	24 Gauge [ 0.63 mm th. ]	SQUARE METRE	24.0		
c	Extruded aluminium powder coated diffuser with volume control damper	SQUARE METRE	1.20		
d	150 mm wide extruded aluminium powder coated grills	SQUARE METRE	3.42		
e	Duct thermal insulation 25 mm the	SQUARE METRE	32.0		
f	Duct acoustical insulation	SQUARE METRE	18.0		
g	Fresh Air intake with louvers, dampers and bird screen	SQUARE METRE	0.20		
	<b>TOTAL " B " EXECUTION OF WORKS</b>				

TOTAL AMOUNT IN WORDS of **PART 'B' - EXECUTION OF WORKS** : Rupees

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TOTAL AMOUNT of **PART 'A' - SUPPLY OF MATERIALS + PART 'B' - EXECUTION OF WORKS = Rs.** \_\_\_\_\_.

TOTAL AMOUNT of **PART 'A' - SUPPLY OF MATERIALS + PART 'B' - EXECUTION OF WORKS IN WORDS = Rs.** \_\_\_\_\_.

It is certified that I/we have written the unit rates in figures and words

NAME AND ADDRESS OF TENDERER :-

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Date : \_\_\_\_\_

SIGNATURE OF TENDERER

Place: \_\_\_\_\_