

MORMUGAO PORT TRUST
ENGINEERING (CIVIL) DEPARTMENT
Tender No. CE/32/2016

BILL OF QUANTITIES AND RATES

I.No.	Description of work	Unit of Qty	Qty.	Rate	Total Amount
1	Dismantling doors, windows and ventilators having area not more than 3.0m ² including removal of frames, fastening etc. from masonry and stacking at places pointed out within a lead of 100m including all tools, plant labour & material etc. complete.	nos	8	1127.16	9017.28
2	Dismantling doors, windows and ventilators having area more than 3.0m ² including removal of frames, fastening etc. from masonry, finishing the damaged surface and stacking at places pointed out within a lead of 100m including all tools, plant labour & material etc. complete.	nos.	5	281.79	1408.95
3	Transporting and dumping surplus excavated material/dismantled material in the low lying areas, including loading, unloading, transporting, rough leveling etc. at places as directed by the Chief Engineer or his representative. All tools, plants, labour and material etc. complete. (i) Within a lead of 3.0 km	m ³	15	136.35	2045.25
4	R.C.C. (1:1 1/2:3 mix) using 20mm graded trap stone metal in precast slabs 10cm thick including shuttering work, mixing and placing concrete, leveling, consolidating, curing, finishing with cement mortar (1:3) 6mm thick placing and fixing in position with cement mortar etc. but excluding the cost of steel reinforcement. All tools, plants, labour and material etc. Complete	M ³	2	12297.76	24595.52
5	Providing and fixing reinforcement with TMT/tor steel/mild steel including cutting, bending, tying grills, placing in position, holding in position during concreting, including cost of binding wire. All tools, plants, labour and material etc. complete.	Q	1	6833.66	6833.66
6	Constructing masonry in superstructure using precast cement concrete solid blocks having a crushing strength of not less than 35 kg./cm ² (28 days curing) in cement mortar (1:6) including providing specially molded blocks at junctions & corners, curing etc. All tools, plants, labour & material etc. complete.	M ³	7	5334.82	37343.74
7	Plastering with C.M. (1:5) 15mm thick in two coats for external surfaces (Backing coat of 10mm & finishing coat of 5mm) including Patches, bays, bands, fluting, scaffolding and cleaning of all dirt's, raking out joints, hacking, scrubbing, chamfers, beading, curing, all lifts etc. All tools, plants, labour & material complete	m ²	15	261.59	3923.85
8	Providing and laying cement concrete (1:2:4) flooring using 20mm graded stone aggregate including mixing and placing of concrete, leveling, consolidating, curing, finishing the top with a floating coat of cement slurry, thread lining etc. as directed. All tools, plants, labour and material etc.complete.	m ³	4	6526.62	26106.48

I.No.	Description of work	Unit of Qty	Qty.	Rate	Total Amount
9	Providing flooring with polished machine cut "Shahabad" stone tiles (white shade) 25mm nominal thickness laid over a base of C.M. (1:6) 20mm thick (av) joining with white cement slurry, all cutting, rubbing, polishing, cleaning, curing etc. All tools, plants, labour & material etc. complete.	m2	20	716.09	14321.80
10	Providing paving with rough cut Shahabad stone slabs/tiles in cement mortar (1:6) over a base of C.M.(1:6) 20mm thick including all wastage, cutting slab/tiles wherever required, cleaning, curing etc. All tools, plants, labour and material etc. complete.	m2	15	627.21	9408.15
11	Providing and fixing FRP doors of required size with frames of 'OM Ventures' or any other approved brand/ quality/ make and of colour/shade in single leaf with (29-30)mm thick shutter with stainless steel hinges (100x70x4)mm, 4 nos. including brass screws and filling the door frame with anchor bolts of stainless steel with 3 nos.per vertical member etc. All tools and plant, labour & material etc. Complete.	M2	7	3871.33	27099.31
12	Supplying and fixing in position FRP Door shutters without frames "OM Ventures " make or any other approved make/quality and of approved colour, shade in single leaf with 29-30 mm thickness, including all the accessories such as C.P. brass butt hinges of size 100x70x4.0mm, minimum 3 nos. per shutter, fixed by C.P. brass counter sunk screws as approved and fixed to the door frame as specified by the manufacturer or as directed etc. complete. All tools, plants, labour and materials etc. complete.	m2	8	3661.25	29290.00

I.No.	Description of work	Unit of Qty	Qty.	Rate	Total Amount
13	Supplying & fixing corrugated translucent fiber glass sheets of 2 mm thick including cutting to required size, drilling holes and fixing with necessary 'J' bolts, seam bolts, bitumen and plain washers etc. All tools, plants, labour & material etc. complete.	m2	10	1046.36	10463.60
14	Supplying & erecting structural steel work with M.S. Angle/M.S. flat for roofing/or any other work All Cutting, fabricating, welding & fixing in position, painting with two coats of synthetic enamel paint over a coat of red lead primer after cleaning & preparing the surface etc. All tools, plant labour, materials etc . complete.	Q	3	10047.48	30142.44
15	Providing roofing compound to the bolt, along the cracks of sheets, joints of asbestos sheet roofing. All tools, plants labour, materials, etc. complete.	Kg	30	126.25	3787.50
16	Providing & fixing P.V.C. down take pipe for rain water & waste water 110mm dia (medium) of 'Prince' or approved brand with necessary specials including making joints water tight with required solution & providing & fixing necessary P.V.C. holder bat clamps, cutting & making good the walls etc., All tools, plants, labour & material etc.complete.	m	30	452.48	13574.40
17	Providing and fixing P.V.C. soil pipe 110mm dia(heavy) of 'Prince' or approved brand including all specials required i.e. vent cap etc. making joints water tight with required solution, PVC holder clamps, accessories, cutting & fixing, breaking the wall /floor as directed, making the good the wall/ floor etc. complete . All tools, plants, labour & materials, etc. complete.	m	10	559.54	5595.40
18	Providing, fixing, testing and commissioning of vitreous china glazed floor mounted European type water closet of size 600x410x365m with PVC Cistern of 10.00 lts. Capacity, seat cover of Hindware make or equivalent make and of ivory colour or any other approved with "P/S" trap. including fittings with screws to floor/wall etc. breaking and making good the wall, floor etc, as directed. All tools, plants, labour & materials, etc. complete.	no	3	5409.56	16228.68
19	Providing, fixing, testing and commissioning of Orissa Pan of size 580x440mm with 10 liters. capacity PVC Cistern of Hindware make or equivalent make and of ivory colour or any other approved colour with "P/S trap including fittings, breaking and making good the wall, floor etc, providing and fixing PVC soil Pipe connection as directed, etc. complete. All tools, plants, labour & materials, etc. complete.	no	4	5982.23	23928.92
20	Providing and fixing urinal flat back large "Hindware" make code 60002 or equivalent of approved colour with Flush Valve Dual Flow Concealed Type with Control Cock Operation Plate 40mm size code: 1089 including all necessary fittings as directed and as approved by the Engineer, making concealed drain and water connections with PVC pipe min. 1" dia. , cutting & making good the walls, floors etc complete. All tools, plants, labour & materials etc. complete. (Note: The colour of the urinal shall be ivory or any approved colour)	No	3	11009.00	33027.00

I.No.	Description of work	Unit of Qty	Qty.	Rate	Total Amount
21	Providing and fixing wash basin (550x430)mm with pedestal of constellation series of "Hindware" make or equivalent make and series of ivory colour or any other approved colour including all necessary fittings like C/P bottle trap & waste coupling of Jaguar make or equivalent, with PVC waste pipe concealed of min. 32mm dia.etc. complete, making good the wall/ floor etc. complete. All tools, plant, labours & materials etc. complete.	no	3	7878.00	23634.00
22	Supplying & fixing in position PVC Nahni trap of min. size 100mm (4") dia with fittings incl. Cost of labour & material for necessary concrete work, breaking & making good the walls, floors, providing stainless steel gratings etc. complete. All tools, plant, labour & material etc. complete.	no.	5	362.59	1812.95
23	Cleaning of closed drains, including lifting of slabs, removal of debris from the drains and disposal of the same out. All tools, plant, labour & materials etc. Complete	m	150	30.30	4545.00
24	Replacing the curtain rings of 32 mm dia approx. All tools, plant, labour, materials etc. complete	nos	1000	7.07	7070.00
25	Supplying & fixing 19mm dia aluminum curtain rods with powder coating (hollow type) and with necessary aluminum brackets fixed to wooden plugs, 2 nos. All tools, plant, labour & material complete.	m	200	186.85	37370.00
26	Washing of old curtains in A.O. Bldg. including removing and putting back the curtains back in position after washing, etc. (app. Size of one No. - 4.80 m x 2.1 m) All tools, plant, labour & material complete.	nos	600	72.72	43632.00
27	Supplying and fixing wooden table drawers size (0.59 x 0.56)m as per drawing using particle board of 19 mm thickness for outer box and 12 mm thickness for drawer and for bottom 6 mm thick commercial plywood including providing 3 nos of handles and 3 nos of drawer locks of Godrej make. All tools,plant, labour and materials etc. complete	Nos	40	5868.10	234724.00
28	Supplying & fixing table Drawer locks. All tools, plant, labour & material complete.	nos	20	282.80	5656.00
29	Dismantling of Aluminum partitions made of particle boards/ aluminum partition fully/ partly paneled/partly glazed etc. and shifting it to new location to be fixed including all cleats, screws etc.all tools, plant, labour & material etc. complete.	m2	75	343.40	25755.00
30	Refixing of Aluminum partitions made of particle boards/ aluminum partition fully/ partly paneled/partly glazed etc. including all cleats, screws etc. all tools, plant, labour & material etc. complete.	m2	75	489.85	36738.75

I.No.	Description of work	Unit of Qty	Qty.	Rate	Total Amount
31	<p>Providing and fixing aluminum powder coated frame partition with door.</p> <p>a) aluminum powder coated frame partition (shade of powder coating brown) using section for rectangular tube of size 63.50mm x 38.10 mm x 1.2mm thick with intermediate horizontal member at 1.2m level and vertical member to be equally spaced so as to distance shall not exceed more 1.15m. Partition shall have both side pre-laminated board of 12mm thickness (shade of pre-laminated board off-white). The aluminum sections shall have matti wood fixed on inside periphery of size 25mm x 25mm fixed to the aluminum section using screws of appropriate size, pre-laminated board to be fixed to the powder coated aluminum angle size of 20mm x 20mm x 16 swg (shade of powder coated off-white) using screw of appropriate size. Plain float glass of 5mm thick to be provided above 1.2m height fixed to the aluminum section using powder coated aluminum angle of size 20mm x 20mm x16swg on both faces of glass using screw of appropriate size. Rate shall include powder coating, wastage, cutting, fixing, providing necessary cleats, using self tapping screws etc. All tools, plants, labour and materials etc. complete.</p>	m2	20	5443.90	108878.00
	<p>b) Providing and fixing in position powder coated single shutter door of required size with powder coated in brown colour using section for single partition / double partition of size 63.5mm x 38.10mm x 1.2mm thick for door frame, shutter bottom member of size 120mm x 50mm x 1.2mm, shutter vertical style of size 45mm x 50mmx1.2mm alongwith the screwless bidding of size 19mm x 17.30mmx0.80mm thick with glazing of clear float glass of 6mm thick of approved quality., Vertical member for wall shall be fixed with oxidized self tapping screws of 75mm long using appropriate lugs as directed. Rate shall include powder coating in brown colour, standard accessories such as EPDM biding, handle locking arrangement with dead lock, fixing to wall / column using oxidized screws of length with 755m with proper inserts, removing of skirting / plaster and making good, filling of gaps, providing necessary cleats and M.S. rods as required using self tapping screws, push and pull signs, 4 nos. stainless steel butt hinges 100m x 70mm x 1.8mm long with self tapping screws, anodized aluminum tower bolt of size 150mm long etc. All tools, plants, labour and materials etc. complete.</p>	m2	30	5443.90	163317.00

I.No.	Description of work	Unit of Qty	Qty.	Rate	Total Amount
32	Repairs to the aluminum frame glass window including removing the glass, replacing damaged rubber beading with new rubber beading, refixing of glass to the aluminum frame, cleaning, repairs/ replacing bearings/ rollers , applying sealant to the joints of aluminum and masonry, etc. complete. All tools, plant, labour & material etc. complete.(Note: rate per no. of window i.e.of window size (1.80x1.20)m. Damaged member of window frame if any will have to be replaced and cost of member only will be paid separately.	nos.	60	595.90	35754.00
33	Repairs to the aluminum frame glass door including removing the glass, replacing damaged rubber beading with new rubber beading, refixing of glass to the aluminum frame, cleaning, providing hinges etc. complete. All tools, plant, labour and material etc. complete.	nos	15	1550.35	23255.25
34	Providing and fixing in position anodized aluminum louvered ventilators in single vertical bays with 4.00 mm thick, 100mm wide frosted glass louvers of approved quality/make using best quality standard extra lead anodized aluminum sections comprising to IS-733, frame shall have groove to receive weather strip all round, glass louvers shall have PVC gap closing gaskets on top edge of louvers and approved through lever handle and operation fixed to outer frame and aluminum handle locking device, fixing to masonry, R.C.C. columns etc. as specified by manufacturer all gaps should be sealed with approved sealant etc including finishing and making good the surface with concrete/cement mortar, touch up painting, removal of old ventilators etc. All tools plants, labour & material etc. Complete.	m2	2.5	4489.45	11223.63
35	Providing aluminum handles for the aluminum frame glass window. All tools, plant, labour and material etc.complete.	nos	20	75.75	1515.00
36	Providing 5.00 mm thick glass for the aluminum frame window/door, including removing the damaged glass, replacing the damaged beading, etc. complete. All tools, plant, labour and material etc.complete	m2	20	2191.70	43834.00
37	Providing 4.00 mm thick pin headed glass for louvered ventilators etc. complete. All tools, plant, labour and material etc.complete	m2	10	388.85	3888.50
38 A	Supply of Labours for execution of maintenance works in the Port. (A) Skilled Labour				
	(i) Aluminium Fitters	Nos.	30	500.00	15000.00
	(ii) Fitters/Plumber	nos	20	499.50	9990.00
	(iii) Mason	nos	25	499.50	12487.50
	(iv) carpenter	nos	50	499.50	24975.00
38 B	(B) Unskilled labour (i) Malee Coolie	nos	400	397.38	158952.00
					1362149.505

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"A" Total =Rs.13,62,149.50

Total amount in words (Rupees thirteen lakhs sixty two thousand one hundred forty nine and paise fifty only) excluding service tax.

1. ADD _____ % (IN FIGURES)

In words _____

Over the above amount at "A" i.e Rs. _____

OR

2. DEDUCT _____ % (IN FIGURES)

In words _____

From the above amount at "A" i.e. Rs. _____

3. Total Quoted Tender Amount inclusive of Sales & General Taxes and excluding Service Tax in figure-

in words Rupees _____

_____ Only.

TENDERERS SHOULD SCORE OUT EITHER "ADD" OR "DEDUCT" AS THE CASE MAY BE"

NOTES:

1. Tenderers should score either "ADD" or "DEDUCT" as the case may be.
2. Tenderers are advised in their own interest to inspect the site before tendering.
3. The quantities given above in the schedule of Quantities and Rates are approximate and are furnished for the guidance of the tenderers.

Witness's: _____

Signature: _____

Name : _____

Address: _____

Tel No: _____

Mobile No: _____

Signature: _____

Name: _____

Address: _____

Tel No: _____

Mobile No: _____

Date: _____