



MORMUGAO PORT TRUST
ENGINEERING (CIVIL) DEPARTMENT

TENDER NO CE/51 /2017
Tender Notice No :CE/N-44/2017

Name of Work: “Renovation of the toilets of (Gym block & HM, Dy. HM & meeting room)
Deepvihar High School at Headland.”

Cover No. II (Price Bid)

1. Directions to tenderers for filling Schedule of Quantities & Rates
2. Schedule of Quantities & Rates

Suptdg. Engineer (HL)
MORMUGAO PORT TRUST

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Headland Sada
Mormugao –403 804.



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**DIRECTIONS TO TENDERERS FOR FILLING
THE SCHEDULE OF QUANTITIES & RATES.**

1. Tenderers are required to fill in their percentage rate at the end of the Schedule of Quantities & Rates, in the space provided for the purpose and unless this is done, their tender will not be considered. Only one percentage rate on all Rates of Schedule of Quantities & Rates shall be named.
2. The Percentage Rate inserted shall hold good for all works under this contract, without reference to quantity or location of the work or the variation in the estimated quantity.
3. Quantity of each item of work mentioned in the Schedule should be noted and the item rate worked out carefully, having regard to the specifications before submitting the tender, as no variation in rates etc. will be allowed on any ground such as mistake or misunderstanding etc. after the tender has been submitted. The percentage rate, above or below the Schedule/Estimated rate, indicated at the end of the Schedule of Quantities & Rates, will apply to each item, of the tender and any excess in the item that may be directed to be executed by the Chief Engineer.
4. Tenderers are requested to note that though the contract is for percentage rate, they are required to add or deduct the amount due to this percentage, as the case may be and work out the final figures(amount of their tenders), at the end of the Schedule of Quantities & Rates.
5. The Percentage Rate should be legibly written in figures as well as in words, in the space provided for Erasures or corrections in figures or in words, without Tenderers initials, will render the tender liable for rejection.

CHIEF ENGINEER



An ISO 9001-2000 PORT

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SCHEDULE OF QUANTITIES AND RATES

Item No	Description of Items	Unit	Approx Qty	Rate in Rs fig./Words	Amount Rs Ps
1	Dismantling of existing damaged doors, windows, ventilators, etc. Including disposal of unserviceable materials within a lead of 100m etc. All tools, plant, labour and material etc complete.	No.	17.00	222.00	3774.00
2.	Dismantling and clearing away existing C.C. block masonry including disposal of unserviceable materials at places pointed out up to a lead of 100 mts including all tools plants , labour and materials etc complete.	Cu. M	1.00	1218.00	1218.00
3.	Dismantling flooring tiles laid in Cement Mortar including stacking of serviceable items & disposal of unserviceable materials within a lead of 100m etc All tools, plant, labour and material etc complete.	Sq. M	200.00	35.00	7000.00

4	Constructing masonry in superstructure using precast cement concrete solid blocks having a crushing strength of not less than 35kg./cm ² (28 days curing) with a mix not leaner than (1:5:10) in cement mortar (1:6) including providing specially moulded blocks at junctions & corners, curing etc. All tools, plant, labour and material etc complete.	Cu. M	0.50	5282.00	2641.00
5	Plastering/finishing with C.M. (1:3) 10mm thick (av) in single coat incl. Raking out joints, hacking, cleaning and preparing the surface, curing, chamfers, beading, scaffolding, all leads, lifts making all bands, bays, fluting etc. All tools, plant, labour and material etc complete. (Mainly for finishing rendering of precast R.C. works)	Sq. M	20.00	162.00	3240.00
6	Providing & fixing in position anodised aluminium sliding windows of approved manufacturer to suit two track sliding, using best quality standard extruded anodised aluminium sections (manufactured to relevant I.S. specification) without horizontal glazing bars, glazed with 5.5.mm thick sheet glass fixing to RCC column/masonry with lugs of 16mm x 3.15mm x 10cm long or any other approved size embedded in C.C. (1:3:6) blocks of appropriate size incl. necessary bolting devices, handles, locking arrangements, fixing clips, metal putty, PVC/Rubber beading etc. All tools, plant, labour and material etc complete.	Sq. M	5.00	4563.00	22815.00

7	P/F in position aluminium louvered ventilator with Glass Louvers	Sq. M	4.00	4445.00	17780.00
8	Providing & fixing grill work using m. s. flats & square bars & round bars including modification etc. Including welding, cutting, and making design as per department representative and re-fixing the same. All labour & material etc. complete	Kg	75.00	176.00	13200.00
9	Providing & fixing Sintex doors of required size with frames of any approved brand/quality/make and of colour/shade in single leaf with stainless steel hinges (10x70x4) mm, 4 nos., including brass screws and fixing in position the door frame with anchor bolts of stainless steel with 3 nos. per vertical member, etc. All tools, plant, labour and materials, etc. complete.	No	7.00	7500.00	52500.00
10	Providing and fixing in position following anodised aluminium fixtures of 'SHAKTI/SHALIMAR' or any other equivalent approved make/quality to doors, etc. with necessary G. I. full threaded screws, washers, etc. All tools, plant, labour & material etc. complete. (sample to be got approved by the Chief Engineer or his representatives before use.)				
a	Aldrop straight pan 30cm long	No	3.00	313.00	939.00
b	Door latch 20cm long	No	3.00	138.00	414.00
c	Tower bolt 15cms long	No	7.00	99.00	693.00
d	D' type door handle	No	7.00	73.00	511.00
e	Baby latch (65mm x 12mm)	No	7.00	88.00	616.00

11	Providing floor finishing with antiskid ceramic tiles 30cm x30cm (12" x12") size of 'Johnson / Kajaria / Orient/ Bell' make or of any other size approved by Chief Engineer, of approved quality/make and of approved colour/shade laid over a bedding of cement mortar (1:3) 12mm thick average including cutting the tiles to the required size and shape wherever required laying to required slope, necessary specials, all wastages, leads and lifts, cement slurry screeding, joints to be filled with white cement slurry mixed suitable colour pigment to match the shade of the flooring tiles, cleaning the surface, curing, etc. as directed. All tools, plant, labour and materials, etc. complete. (Item is mainly for toilet portion)	Sq. M	85.00	1374.00	116790.00
12	Providing skirting / dadoing to the required height to the sides of walls of toilet with 'Johnson /Kajaria /Orient/Bell' or any other approved quality/make glazed ceramic tiles of size approved by the Chief Engineer of approved colour/shade as directed by the Chief Engineer or his representative, including cutting the tiles to the required size and shape, fixing the tiles over a bed of cement mortar (1:3) 10mm (avg.) thick, cement paste, pointing with white cement mixed with colour pigment to match the shade, curing, all wastages, leads and lifts, etc. All tools, plant, labour and materials, etc. complete.	Sq. M	250.00	1031.00	257750.00
13	Providing and laying/fixing in wall, floor, trenches etc, 12/ 15mm dia U.P.V.C. pipe of Prince/ Astral make (schedule 40) or equivalent including joining with sockets,	RM	20.00	176.00	3520.00

	bends, Tees, specials, Reducer specials of required size for connecting existing pipes. All cutting threading and joining materials cost pipes and specials etc., excluding cost of excavation but including cost of breaking the wall/ floor /chajja and making good the same. All labour materials, tools, plants etc. complete.				
14	Providing and laying / fixing in wall, floor trenches etc 20mm dia U.P.V.C pipe (schedule 40) of Prince/Astral make or equivalent including joining with sockets, bends, Tees, specials, Reducer specials of required size for connecting existing pipes. All cutting threading and joining materials cost pipes and specials, etc. excluding cost of excavation but including cost of breaking the wall/ floor /chajja and making good the same. All tools, plant, labour and material etc complete.	RM	40.00	200.00	8000.00
15	Providing and laying / fixing in wall, floor, trenches etc 25mm dia U.P.V.C pipe of Prince/Astral make(schedule 40) or equivalent including joining with sockets, bends, Tees, specials ,Reducer specials of required size for connecting existing pipes. All cutting threading and joining materials cost pipes and specials, etc. excluding cost of excavation but including cost of breaking the wall/ floor /chajja and making good the same. All tools, plant, labour and material etc complete.	RM	15.00	262.00	3930.00

16	Providing and laying/fixing in wall, floor, trenches etc 32mm dia P.V.C pipe of Prince / Astral make(schedule 40) or equivalent including joining with sockets, bends, Tees, specials, Reducer specials of required size for connecting existing pipes. All cutting threading and joining materials cost pipes and specials, etc., excluding cost of excavation but including cost of breaking the wall/ floor / chajja and making good the same. All labour materials, tools, plants etc. complete.	RM	20.00	328.00	6560.00
17	Providing and laying/fixing in wall, floor, trenches etc 50mm dia P.V.C Pipe of Prince/Astral make or equivalent including joining with sockets, bends, Tees, specials, Reducer specials of required size for connecting existing pipes. All cutting threading and joining materials cost pipes and specials, etc. excluding cost of excavation but including cost of breaking the wall/ floor /chajja and making good the same. All tools, plant, labour and material etc complete.	RM	10.00	497.00	4970.00
18	Supplying & fixing in position P.V.C. Nahn trap 100mm (4") dia with fittings incl. Cost of labour for necessary concrete work, breaking & making good the walls, floors, etc. All tools, plant, labour and material etc complete.	No	7.00	359.00	2513.00

19	Supplying & fixing approved make/quality European type W.C. of vitreous china (600x410x365)mm size with vented (P) trap of approved make vitreous low level flushing cistern of 10.00 lts. Capacity syphonic fitting, black plastic toilet seat with lid, buffer and chromium plated hinges etc. complete incl. breaking and making good the walls, floor etc. All tools, plant, labour and material etc complete.	No	8.00	5356.00	42848.00
20	Supplying & fixing Indian pattern W.C. 580mm (23") size with foot rest with glazed P. trap with vent. 10.0 litres PVC flushing cistern with fittings, R.S. G.I. chain and pulling handle, 32mm (1¼") dia telescopic flush pipe with fittings & clamps, 20mm dia G.I. over flow pipe with specials, mosquito proof coupling of approved design, 12mm brass stop cock incl. cutting & making good the walls & floors, painting with approved paint to cistern & fittings etc. All tools, plant, labour and material etc complete.	No	2.00	5923.00	11846.00
21	Providing & fixing 610mm (24") above floor level flat back or corner type, lipped front urinal basin (470 x 300 x 315)mm high of vitreous china, cutting & making good the walls etc. All tools, plant, labour and material etc complete.	No	5.00	1741.00	8705.00
22	P/F urinal division of polished Granite stone including moulding etc All tools, plant, labour and material etc complete.	No	6.00	2959.00	17754.00

23	P/F in position stainless steel railing pipe, 25/42 mm dia 16 swg of grade 302 bend to required shape as per site condition and embedding/fixing to the walls with necessary accessories etc. as required(approx 1.5 metres length in two parts inside the toilet room as provision for differently abled) All tools, plant, labour and material etc complete.	Ls	1.00	5000.00	5000.00
24	Providing and fixing CP short body bib cock of 15 mm(medium) dia of EECO/ARVEE make or equivalent approved make and pattern including removing the old fittings/pipes and re-fixing the new fittings and handing over unserviceable materials to department All tools, plant, labour and material etc complete.	No	13.00	637.00	8281.00
25	Providing and fixing CP pillar tap of 15 mm dia approved of EECO/ARVEE make or equivalent approved make and pattern, (Heavy Duty) including removing the old fittings/pipes and re-fixing the new fittings and handing over unserviceable materials to department. All tools, plant, labour and material etc complete.	No	8.00	858.00	6864.00
26	P/F brass ball valves 15mm size of (heavy duty) ARK make All tools, plant, labour and material etc complete.	No	4.00	300.00	1200.00
27	Providing and fixing UPVC ball valve of 20 mm dia., including providing necessary specials for joining, necessary solution, etc. All tools, plant, labour and material etc complete.	No	5.00	254.00	1270.00

28	Providing and fixing UPVC ball valve of 25 mm dia. including providing necessary specials for joining, necessary solution, etc. All labour, materials, tools, plants etc complete.	No	2.00	339.00	678.00
29	Providing & Fixing of mirror of size (450 x 350) mm with PVC/ Acrylic base minimum 3mm thick fixed with C.P.brass screws with two brackets one glass sheet shelf of (450x120)mm size etc . all scaffolding etc. All tools, plant, labour and material complete.	No	9.00	1113.00	10017.00
30	P/F wash basin of vitreous china (550x440)mm of Hindware make or equivalent with all accesories etc. (excluding pillar cock) white vitreous China 550x 400 mm size with all accessories such as cast iron brackets mounted on walls, 32 mm c.p. Brass waste coupling, C. P. Brass bottle trap of wall mounted variety of approved make with 8 cm deep seal with wall flanges , 12 mm pvc/plastic connecting pipe of required length with c.p. brass female check nuts at ends, 12 mm dia EECO/ARVE Estop cock including breaking and making good the all, floor slab etc. giving necessary connections, painting the brackets etc., with one coat of Zinc chromate and finished with two coats of approved quality synthetic enamel paint of approved colour/ shade, fixing, fixing brackets to the wall screwed to the T. W. block embedded in the wall in cement grout etc. complete. All tools, plant, labour and material etc complete.	No	9.00	5264.00	47376.00

31	White washing in two coats over old work/maintenance painting including scaffolding, thoroughly brooming the surfaces to remove all dirt, dust, loose scales of lime wash etc. All labour & material complete.	Sq. M	130.00	20.00	2600.00
32	Painting will oil bound distemper with Tractor or approved quality/ make and colour/ shade in two coats inclusive of cleaning and preparing surface, applying putty wherever required, all scaffolding etc. All tools, plant, labour, material, etc. complete.	Sq. M	50.00	68.00	3400.00
33	Painting iron work/metal work with two coats of approved synthetic enamel paint of approved colour/shades of Asian paint or equivalent including priming coat and preparing the surfaces. All tools, plant, labour, material, etc. complete.	Sq. M	10.00	146.00	1460.00
34	Painting external surface with two coats of acrylic exterior finish over a coat of cement primer. All tools, plant, labour and material etc complete.	Sq. M	40.00	145.00	5800.00
35	Providing & Fixing stainless steel soap dish including brackets fixing to the wooden plugs with C.P. brass screws etc. All tools, plant, labour, material, etc. complete.	No	10.00	150.00	1500.00
36	Providing & Fixing stainless steel towel rail of 60 cms long including brackets fixing to the wooden plugs with C.P. brass screws etc. All tools, plant, labour, material, etc. complete.	No	9.00	450.00	4050.00

37	Supplying and fixing health faucets of Jaquar or any other approved make for EWCs----etc complete. All tools, plant, labour, material, etc. complete.	No	8.00	951.00	7608.00
38	Providing and constructing inspection chamber of size (40 x 40 x 80)cm (inside) with 20cm thick C.C. block masonry in cement mortar (1:6) Plastered with C.M. (1:5) 15mm thick inside all over and outside for the top 50cm height only in single coat over a bed of C.C. (1:4:8) 1.00 x 1.00 x 0.15m with 40mm size trap aggregate including making bed channels in C.C. (1:3:6) with 20mm trap metal and with R.C.C. (1:2:4) pre-cast slab cover 8cm thick and of 60 x 60cm size of desired width with 20mm trap metal including providing all reinforcement of 8 mm dia bars 5 Nos. in each direction, cutting, bending, tying grills and placing in position including cost of steel reinforcement and shuttering work, excavation in soft/hard murrum including hard laterite rock, etc. constructing of masonry, plastering, back filling, sides, providing cast iron rungs and filling the triangular portion between top of chamber and top R.C.C. cover slab with C.M. (1:4) properly finished all round the periphery of the chamber, finishing with cement slurry inside the chamber, etc. as per detailed drawing or as directed. All tools, plant, labour and materials, etc. complete.	No	3.00	4635.00	13905.00

39	<p>Providing and constructing inspection chamber of size (75 x 75 x 80)cm (inside) with 20cm thick C.C. block masonry in cement mortar (1:6) Plastered with C.M. (1:5) 15mm thick inside all over and outside for the top 50cm height only in single coat over a bed of C.C. (1:4:8) 1.35 x 1.35 x 0.15m with 40mm size trap aggregate including making bed channels in C.C. (1:3:6) with 20mm trap metal and with R.C.C. (1:2:4) pre-cast slab cover 8cm thick and of 60 x 60cm size of desired width with 20mm trap metal including providing all reinforcement of 8 mm dia bars 10 nos. in each direction, cutting, bending, tying grills and placing in position including cost of steel reinforcement and shuttering work, excavation in soft/hard murrum including hard laterite rock, etc. constructing of masonry, plastering, back filling, sides, providing cast iron rungs and filling the triangular portion between top of chamber and top R.C.C. cover slab with C.M. (1:4) properly finished all round the periphery of the chamber, finishing smooth with cement slurry inside the chamber, etc. as per detailed drawing or as directed. All tools, plant, labour and materials, etc. complete</p>	No	3.00	9022.00	27066.00
40	<p>Constructing extra depth of masonry or reduction in depth in unit of 10cm for a chamber of size 40 x 40 x 80cm as detailed in item no.22, excavation in hard murrum, ordinary soil etc. All tools, plant, labour and material etc complete.</p>	No	3.00	391.00	1173.00

41	Excavation in hard rock, laterite boulders interspersed with murrum etc. including removal of obstruction such as small trees, vegetation etc., refilling the trenches with suitable excavated material or earth removed from nearby areas and removal of unsuitable excavated material upto a lead of 50m and a lift of 1.5 m. All tools, plant, labour and material etc complete.	Cu. M	2.50	1877.00	4692.50
42	Providing and laying PVC soil pipes 6" dia (Heavy) including all specials, making joints water tight with required solution, cutting & fixing to required lines & levels to inspection chambers, making good the chambers, dismantling of old stoneware/pvc pipes , excavation in hard murum, soft rock, hard rock etc. up to a depth of 50 cms. All Tools, plant, Labour & materials etc complete.	Rm	15.00	887.55	13313.25
43	Supplying of labours along with the Tools required for 8hrs including---- etc complete	No	15.00	400.00	6000.00
44	Transporting and dumping and levelling of dismantled material within lead of 5KM Incl----etc complete. All tools, plant, labour and material etc complete.	Cu. M	3.00	182.00	546.00
45	Taking away the dismantled retrieved materials and crediting to the Port including etc complete. (Doors, windows, Ventilators, Etc)	L.S	1.00	5000.00	-5000.00

Total Rs. 7,81,326.75

TOTAL AMOUNT OF TENDER (INCLUSIVE OF S.T & G.T) = A = Rs.7,81,326.75

(But excluding Service Tax)

A. 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. _____

B.Total Quoted Tender Amount inclusive of all Taxes(excluding service tax)
in Figure –Rs.

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: _____

Tenderer's: _____

Signature: _____

Signature: _____

Name : _____

Name: _____

Address: _____

Address: _____

Tel No: _____

Tel No: _____

Mobile No: _____

Date: _____