



MORMUGAO PORT TRUST
ENGINEERING (CIVIL) DEPARTMENT

TENDER NO: CE/75/2016

Modification to Existing Ground Floor, Rest Room facility for MPT Guest House at Headland

DIRECTIONS TO TENDERERS FOR FILLING IN THE
SCHEDULE OF QUANTITIES & RATES

- 1.** Tenderers are required to fill in their percentage rate tender amount 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.
- 2.** The percentage rate tender amount 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 percentage rate tender amount 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 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 work out the final figures (amount of their tenders), at the end of the Schedule of Quantities & Rates.
- 5.** The percentage rate tender amount 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 Tenderer's initials, will render the tender liable for rejection.

CHIEF ENGINEER



MORMUGAO PORT TRUST
ENGINEERING (CIVIL) DEPARTMENT

Tender No. CE/75/2016

Modification to Existing Ground Floor, Rest Room facility for MPT Guest House at Headland

1. Part I: Civil Engineering works: Rs.11,53,457.00
2. Part II: Electrical works: Rs. 2,78,904.00
3. Total Rs.14,32,361.00

Total amount of tender inclusive of all taxes but excluding service tax= "A" = Rs.14,32,361.00

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 but 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: _____

Tenderer's: _____
Signature: _____
Name: _____
Address: _____
Tel No: _____



An ISO 9001 : 2008 Port
ISPS CODE Compliant

MORMUGAO PORT TRUST
ENGINEERING (CIVIL) DEPARTMENT

Tender No. CE/75/2016

Modification to Existing Ground Floor, Rest Room facility for MPT Guest House at Headland

SCHEDULE OF QUANTITIES AND RATES

PART I: Civil Engineering woks

Sr. No.	Description of Work	Approx. Qty.	Unit of Qty. in words	Rate in figures	Amount Rs
1	2	3	4	5	6
1	Providing soling below Ramp & verandah etc. to the required thickness as shown in drawing using 10 to 20cms (avg) size hard laterite rubble stone including breaking to the required size, laying to necessary levels, hand packing, filling interstices with small stone chips/spalls, required binding materials, watering copiously ramming, consolidating all lifts and leads etc. as directed. All tools, plant labour and materials , etc. complete	8.50	Cubic metre	1404.00	11,934.00
2	Plain Cement Concrete (1;2:3) for lobby and Verandah including ramp, etc. using 20mm graded black trap stone metal out of quarried boulders as coarse aggregate, including mixing depositing, ramming, side shuttering if required, leveling, finishing, curing all lifts leads, etc. as directed complete. All tools, plant labour and materials, etc. complete	7.00	Cubic metre	8545.00	59815.00
3	Constructing masonry in superstructure for masonry verandah, walls, etc. of various thickness, using precast solid cement concrete block having a minimum crushing strength of 35 kgs per sq.cm (after 28 days) and using approved mix not leaner than (1:5:10) with cement not less than 2 bags(100kgs) per cubic metre of concrete and using				

	<p>sand and/or crushed stones as fine aggregates and trap aggregate and/or laterite aggregates and/or river pebbles as coarse aggregates including screening the coarse aggregate if directed, casting of the blocks of appropriate sizes and including providing specially cast block at junctions and corners if directed, all cutting, wastage, etc. set in C.M.(1:4) all scaffolding raking out joints, curing, all lifts and leads as directed , etc. All tools, plant, labour and materials, etc. complete.</p>	28.00	Cubic metre	5282.00	147896.00
4	<p>Constructing masonry in superstructure for walls of 10cm thickness toilet walls, utility room, cupboard sidewalls etc. using precast solid cement concrete block having a minimum crushing strength of 35 kgs per sq.cm (after 28 days) and using mix not leaner than (1:5:10) with cement not less than 2 bags(100Kg) per cubic metre of concrete and using sand and/or crushed stones as fine aggregate and trap aggregate and/or laterite aggregates and/or river pebbles as coarse aggregates if directed, including screening the coarse aggregates if directed, casting of the blocks of appropriate sizes and providing two M.S. bars of 6mm dia. At every fourth coarse including providing specially cast blocks at junctions and corners if directed, all cutting wastages, in CM (1:4) etc. all scaffolding, raking out joints, curing all lifts and leads, as directed, etc. complete., but excluding the cost of reinforcement which shall be paid under respective items. All tools, plant, labour and materials, etc. complete.</p>	30.00	Square metre	790.00	23700.00
5	<p>R.C.C (1:1 ½:3) in lintels, of any size and shape etc. using 20mm graded black trap stone metal out of quarried boulders as coarse aggregate, cast in situ, including mixing and placing of concrete, consolidating with mechanical vibrator, curing all lifts & leads, etc. complete as per detailed drawing but excluding cost of steel reinforcement, shuttering/formwork, etc. All tools, plant, labour and materials, etc. complete.</p>	1.00	Cubic metre	6574.00	6574.00

6	Description as detailed in item No. 5, but for chajjas/sunshades etc. of various thickness and shape etc. as per detailed drawing or as directed, complete. All tools, plant, labour and materials, etc. complete.	0.50	Cubic metre	6574.00	3287.00
7	R.C.C (1:2:4) for 8cm. thick precast slabs for cupboard shelf & top etc. with 20mm graded black trap stone metal out of quarried boulders as coarse aggregate including shuttering missing and placing concrete consolidating with mechanical vibrator, all lifts leads, leveling curing sand sieving etc. finishing smooth the exposed faces with C.M.(1:3) fixing properly in placed as directed providing necessary vata in C.M.(1:3) at junctions of walls etc. complete as per detailed drawing or as directed but excluding cost of steel reinforcement. All tools, plant, labour and materials, etc. complete	0.50	Cubic metre	12858.00	6429.00
8	Providing, fixing and removing necessary shuttering/ form work as approved for lintels, chajjas, verandah and ramp etc. as detailed below including necessary strutting props, staging wedges, sealing joints to prevent leakages of slurry, oiling, jointing, all lifts and leads etc. All tools, plant, labour and materials, etc. complete				
	a. For lintels	15.00	Square metre	230.00	3450.00
	b. For chajja	6.00	Square metre	520.00	3120.00
	c. For verandah and Ramp	5.00	Square metre	291.00	1455.00
9	Providing reinforcement with high strength deformed cold twisted bars such as 'Torsteel of TMT' (Tor 40) or equivalent steel conforming to 1.S. 1786 (latest edition) including cost of steel cutting, bending, tying and placing of grills in position, all lists, leads, scaffoldings etc. providing necessary dowels, bars wherever required as per detailed drawing or as directed etc. complete including the cost of annealed steel wire 1.6 mm dia for tying grills etc. All tools, plant, labour and materials, etc. complete.	2.00	Quintal	6766.00	13532.00

10	<p>Providing & fixing single leaf door 35mm thick rebate solid core flush door phenol formaldehyde bonded of approved make and quality as directed, without ventilator with both sides commercial faced finished with teak wood lipping of 35mm x 12mm on all the sides and with salwood frame 100x60mm including SS butt hinges of size 100 x 58 x1.8mm appx. – 4 nos with SS wood screws, M.S. hold fast of size 40mm x 3mm x 25cm long 6 nos. screwed to frame, providing necessary C.C.(1:3:6) blocks of appropriate size using 20mm graded aggregate for fixing holdfast, providing 10mm dia bottom pins two nos., complete. Including painting in three coats of synthetic enamel, paint of approved shade over one coat of wood primer, one coat of wood filler including preparing the surface etc. complete. All tools, plant labour & material etc. complete.</p> <p>Typical size; D1= (0.80 x 2.10)m</p>	13.00	Square metre	3572.00	46436.00
11	<p>Providing and fixing F.R.P. door of required size with F.R.P. frame of 'Om' venture or any other approved brand/ quality/ make and of colour/ shade in single leaf with 25mm thickness including all necessary fixtures such as brass railway type hinges of size (100x72x4.1)mm appx., 4 nos. per shutter with brass oxidized counter sunk 3.0mm x 25mm screws fixed to the FRP frame as directed, scaffolding all leads and lifts etc. complete. All tools, plant, labour & material etc. complete.</p> <p>Typical size: D=(1.00 x 2.10)m</p>	5.00	Square metre	3833.00	19165.00
12	<p>Providing and fixing aluminium sliding windows with three track type made of standard extruded section in 20mm series anodized to natural matt finish not less than 15 microns thickness, of "JINDAL" or any other approved quality/ make using best quality sections not less than 1.50mm thick frames or as specified with 5mm clear float glass glazing and standard accessories such as EPDM beading, weather strip of wool pile, Ball bearing handle, locking arrangement, fixing to wall/ column using oxidizing</p>				

	<p>screws of length 75mm with proper insert etc. including following sections.</p> <p>a. Sub frame, sec No. 2420 of size 100mm x 40mm x 2mm thick @ 1.469 kg/m to be fixed before plaster.</p> <p>b. Three track bottom member Sec. No. 8784 of size 92.00 x 29.50 x <u>1.20mm @ 1.005kg/m</u></p> <p>c. Three track member sides and top frame sec. No. 8776 of size 92.00 x 29.50 x <u>1.20mm @ 1.005kg/m</u></p> <p>d. Shutter side and top sec. No. 8305 of size 60.00 x 20.00</p> <p>e. Shutter side inner lock – sec No. 8790 of size 39.00 x 20 x 1.50mm - @0.605 kg/m</p> <p>f. Shutter bottom Sec. No. 8431 of size 40.00 x 20.00 x 1.5mm - @0484 kg/m.</p> <p>g. Gaps of frame and wall shall be finished with white M. Seal or any other approved epoxy sealant. Gaps between sub frame and track section shall be sealed with silicon sealant of GE or equivalent. All tools, plant, labour and materials etc. complete.</p> <p>Note: Section No. stated above refer to ‘ JINDAL’ aluminium extruded section (Window –W approximate size 1.50m x 1.30m)</p>	8.00	Square metre	5046.00	40368.00
13	<p>Providing and fixing aluminium ventilator made of standard extruded section in 20mm series anodized to natural matt finish not less than 15 microns thickness, of ‘ JINDAL’ or any other approved quality/ make using best quality sections not less than 1.50mm thick frames or as specified with two track sliding ventilator with 5mm clear float glass glazing and standard accessories such as EPDM beading, weather strip of wool pile, Ball bearing handle, locking arrangement, fixing to wall/ column using oxidizing screws of length 75mm with proper insert etc. including following sections.</p> <p>a. Sub frame, sec No. 2414 of size 63.50mm x 38.10mm x 2.00mm thick @ 1.054 kg/m to be fixed before plaster.</p>				

	<p>b. Two track bottom member Sec. No. 8783 of size 62.00 x 29.50 x <u>1.30mm thick @ 0.726kg/m</u></p> <p>c. Two track member sides and top frame sec. No. 8774 of size 62.00 x 29.50 x <u>1.30mm thick @ 0.695 kg/m</u></p> <p>d. Shutter side and top sec. No. 8305 of size 60.00 x 20.00</p> <p>e. Shutter side inter lock – sec No. 8790 of size 39.00 x 20.00 x 1.50mm - @0.605 kg/m</p> <p>f. Shutter bottom Sec. No. 8431 of size 40.00 x 20.00 x 1.5mm - @0484 kg/m.</p> <p>Gaps of frame and wall shall be finished with white M. Seal or any other approved epoxy sealant. Gaps between sub frame and track section shall be sealed with silicon sealant of GE or equivalent. All tools, plant, labour and materials etc. complete.</p> <p>Note: Section No. stated above refer to 'JINDAL' aluminum extruded section Ventilator-VI approximate size (1.00m x 0.50m)</p>	3.00	Square Metre	4563.00	13689.00
14.	<p>Providing and fixing in position anodized aluminum louvered ventilator in single vertical bays with 5.0mm thick 100mm wide frosted glass louvers, of approved quality / make using best quality standard extruded anodized aluminum sections conforming to I.S.733 (latest edition) for frames, anodized with natural matt finish not less than 15 micron thickness and not less than (40 x 23)mm size frame, shall have groove to receive weather strip all around providing PVC weather trip glass louvers shall have P.V.C. gap closing gaskets on the top edge of louvers bridging the bracket having single operator and operated through lever handle and or to operator fixed to outer frame and aluminium handle locking</p>				

	device fixing to masonry R.C.C. columns etc. as specified by the manufacturer using self tapping screws of 75mm length with insert at every 30cm c/c, the gap of wall and frame shall be filled with M-Seal or any other approved sealant etc. complete. All tools plant, labour and materials, etc. complete. Ventilator 'V'=(1.00 x 0.50)m	1.00	Square Metre	4445.00	4445.00
15	Supplying and fixing in position cupboards shutters with (70 x50)mm best quality sal/matti wood frame fixed to wooden plugs set in masonry/ concrete and 25mm thick nandi/sal wood double shutters with external lipping, ss butt hinges (75 x47x1.7)mm appx. 3 Nos. per shutter total 6 nos. with necessary ss wood screws including painting two coats of coal tar to the portion of wood coming in contact with masonry/ concrete etc. as per detailed drawing or as directed. All tools, plant and labour and materials etc. complete (Approx. size – (1.60 x 1.80)m	9.00	Square metre	3231.00	29,079.00
16	Providing and fixing ornamental grills for windows and ventilators etc. with M.S. squares and M.S. flat, or any other approved section as per detailed drawing or as directed, including bending, cutting, welding, grinding, fixing in position to the windows with ss counter sunk screws of appropriate sizes or as directed, etc. All tools, plant and labour and materials etc. complete.	240.00	kilogram	156.00	37,440.00
17	Providing and fixing in position stainless steel railing pipe for verandah, 25/42 mm dia 16 SWG of grade 302 (certificate of testing shall be brought along with the pipes as regards to grade of SS) bend to required shape as per site condition without crippling the inner surface of pipe, embedding the pipe in masonry or fixing to the walls with necessary accessories etc as required all cutting, welding, grinding, polishing, jointing materials, wastages, breaking and making good the wall etc. All tools plant and labour and materials etc. complete	27.00	metre	4200.00	113400.00

18.	Providing and fixing in position following anodized aluminium fixtures of 'SHAKTI/SHALIMAR' or any other equivalent approved make/quality to doors, cupboards 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. Anodised aluminum tower bolt, 25cm long	6.00	Number	132.00	792.00
	b. Anodised aluminum Tower bolt, 15cm long	9.00	Number	99.00	891.00
	c. Anodised aluminum aldrop, 30cm long	6.00	Number	313.00	1878.00
	d. Anodised aluminum aldrop, 20cm long	3.00	Number	280.00	840.00
	e. Anodised aluminum door latch 30cm long	6.00	Number	160.00	960.00
	f. Door latch 20cm long	3.00	Number	138.00	414.00
	g. Anodised aluminum 'D' type handle 10cm long for Door & cupboards.	18.00	Number	73.00	1314.00
	h. Floor door stopper with rubber bush (everite)	6.00	Number	104.00	624.00
	i. Godrej cupboard lock 65 x 35mm six lever	3.00	Number	304.00	912.00
	j. "GODREJ" pad lock six lever	6.00	Number	500.00	3000.00
19	Providing flooring with vitrified tiles of size 60 x 60cms, marble series or equivalent of Orient Bell/Nitco tiles of approved shade laid over a cement mortar (1:3) bedding 20mm to 30mm thick including filling of joints with tile grout of approved make matching shade, proper slope to be maintained, machine to be used for cutting tile, curing scaffolding, all lifts leads etc. as directed. All tools, plant, labour and materials etc. complete.	150.00	Square metre	1142.00	171300.00
20	Providing floor finishing with antiskid ceramic tiles (30 x 30)cm size or of any other size approved by Chief Engineer of Orient Bell/Nitco make or any other 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, al				

	wastages, etc. cement screeding, joints to be filled with white cement slurry mixed approved make 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 (manly for toilet portion)	13.00	Square metre	865.00	11245.00
21	Providing skirting 10cms in height with vitrified tiles carved out of size (60x60)cms marble series or equivalent of Orient Bell/Nitco (edge cut tiles) of approved shade fixed over a cement mortar (1:3) bedding 10mm thick including filling of joints with tile grout of approved make matching shade, proper line to be maintained and perpendicular to the flooring, machine to be used for cutting tile, curing, scaffolding, all lifts, leads etc. as directed. All tools plant, labour and materials etc. complete .	12.00	Square metre	1295.00	15540.00
22	Providing skirting/dadoing to the required height to the sides of walls of toilet with 'Orient Bell/Nitco or any other approved quality/make design glazed ceramic tiles (45 x30)cm size or any other 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 screeding, pointing with approved make colour pigment to match the shade including cutting in angle edge for corners, curing etc. All tools plant, labour and materials etc. complete	34.00	Square metre	1031.00	35,054.00
23	Providing and fixing in position washbasin of PARRYWARE/ HINDUSTAN or any other approved make/ quality white vitreous China 550mm x 400mm size with all accessories such as cast iron brackets mountd on walls, Jaguar C.P. brass pillar tap 12mm (medium pattern) 32mm C.P. Brass waste coupling, C.P. Brass bottle trap of wall mounted variety of approved make with 8cm deep seal with wall flanges, 12mm PVC/Plastic connecting pipe of required length with C.P Brass female check nuts at ends, 12mm dia.				

	Jaguar C.P. brass stop cock including breaking and making good the wall, floor slab, etc. giving necessary connections, painting the brackets etc. with one coat of zinc chromite and finished with two coats of approved quality synthetic enamel paint of approved colour/ shade, fixing the brackets to wall, screwed to the T.W. block embedded in the wall in cement grout etc. complete. All tools plant, labour and materials etc. complete	3.00	Number	1237.00	3711.00
24.	Providing and fixing in position approved quality/ make mirror of size 45cm x 35cm with PVC base, frame and shelf fixed with C.P. brass screws, brackets, etc. All tools plant, labour and materials etc. complete	3.00	Number	1113.00	3339.00
25	Providing and fixing in position peg racks with seasonal salwood/ mattiwood battens (80 x 30)mm and 1.0m long with 4 Nos. CP brass pegs screws to battens etc. including fixing to the wall with necessary wooden plugs in cement mortar, painting with synthetic enamel paint in two coats over a coat of primer to batten etc. All tools plant, labour and materials etc. complete	2.00	Number	457.00	914.00
26	Providing and fixing approved make/type C.P. brass one piece towel rail of length 600mm and 20mm dia of "Jaguar make" kubix series cat No. AKB 3571 etc. including fixing to wooden plugs embedded in wall after painting with coal tar and C.P. brass screws breaking and making good the wall etc. as directed. All tools plant, labour and materials etc. complete	3.00	Number	1325.00	3975.00
27	Providing and fixing western commode wall Hung W.C. of Parryware/Hindustan series or any other approved make/shade with "Cardiff" walvit pan with Jaguar flush etc. including fixing as directed. All tools plant, labour and materials etc. complete.	3.00	Number	12675.00	38025.00
28	Providing and fixing Health faucet of Jaguar make with continental series cat No. 573 or any other approved make with two way cock with 1 metre flexible tube with wall hook etc. including fixing as directed by Chief Engineer or his representative etc. All tools plant, labour and materials etc. complete	3.00	Number	2000.00	6000.00

29	Supplying and fixing in position PVC nahni trap 100mm (4") dia with 75mm outlet of approved make conforming to I.S. with necessary fittings such as PVC openable type gratings of approved make breaking and making good the walls, floor slabs, fixing the grating with cement mortar as directed etc. complete. All tools plant, labour and materials etc. complete	3.00	Number	359.00	1077.00
30	Supplying and fixing in position 110mm dia UPVC soil pipes (heavy) of 'Prince/ Finolex or of any other approved make confirming to IS 13592 latest edition including necessary specials such as sockets, bends, tees, reducers elbows Y's etc. as required, joining the pipes/ specials with lip ring and rubber lubricant or as specified by the manufacturer, fixing pipes to masonry with necessary PVC clips breaking and making good the walls after fixing the pipes. All lifts, scaffolding, leads etc. complete. All tools plant, labour and materials etc. complete.	15.00	Metre	554.00	8310.00
31	Supplying and fixing in position 12/15 mm dia. CPVC pipes of 'Prince' or of any other approved make including necessary specials such as sockets, bends, tees, reducers, elbows, Y's, etc. as required, joining the pipes/specials with lubricant or as specified by the manufacturer, fixing pipes to masonry with necessary pipe clips, breaking and making good the walls after fixing the pipes. All lifts, leads, scaffolding, etc. complete. All tools, plant, labour and materials including cost of pipes and specials etc. complete.	15.00	Metre	141.00	2115.00
32	Supplying and fixing in position 25mm dia. PVC Blue pipes (Class B) of 'Prince' or of any other approved make including necessary specials such sockets, bends, tees, reducers, elbows, Y's, etc. as required, joining the pipes/specials with lubricant or as specified by the manufacturer, fixing pipes to masonry with necessary pipe clips, breaking and making good the walls after fixing the				

	pipes. All lifts, leads, scaffolding, etc. complete. All tools, plant, labour and materials including cost of pipes and specials etc. complete.	12.00	Metre	226.00	2712.00
33	Supplying and fixing 33mm dia. PVC Blue pipes of 'Prince' or of any other approved make/quality pipe for waste water including joining with all specials such as sockets, bends, tees, reducers, elbows, etc. as required, joining the pipes/specials with lubricant or as specified by the manufacturer including making good the wall floor, etc. or fixing to the wall, with M.S. clamps, screws etc. as directed. All tools, plant, labour and materials including cost of pipes and specials etc. complete.	12.00	Metre	224.00	2688.00
34.	Providing and fixing in position following fixtures of Jaguar make with necessary specials of approved make/quality at places pointed out by the Chief Engineer or his representative including jointing materials and specials, etc. as required. All tools, plant, labour and materials, etc. complete.				
	a) Pillar cock with long neck 12/15 mm. dia.	3.00	Number	670.00	2010.00
	b) C.P. Brass stopcock 15mm dia.	3.00	Number	268.00	804.00
	c) CP brass shower Rose 100mm dia.	2.00	Number	419.00	838.00
35.	Plastering with C.M. (1:5) 15mm thick in single coat to the internal surfaces of the walls, etc. including all scaffolding, raking out joints, scrubbing and cleaning of all dirt chambers, beading and curing, finishing smooth, all lifts and leads, etc. All tools, plant, labour and materials, etc. complete.	180.00	Square Metre	195.00	35100.00
36.	Plastering with C.M. (1:3) 15mm thick in single coat to the internal surfaces of the walls in toilet and 10 cms partition walls, etc. including all scaffolding, raking out joints, scrubbing and cleaning of all dirt chambers, beading, curing, finishing smooth, all lifts and leads, etc. All tools, plant, labour and materials, etc. complete.	60.00	Square Metre	220.00	13200.00

37.	Sand faced external plastering with C.M. (1:5) 15mm thick in two coats mixed with approved water proofing compound (Backing coat of 10mm and finishing coat of 5mm) in appropriate proportion as specified by manufacturer or as directed to outside walls, R.C.C. members where directed, etc. including patches, bays, bands, fluting as directed, scaffolding, racking out joints, backing scrubbing and cleaning of all dirt, chambers, beading, curing, all lifts and leads etc. All tools, plant, labour and materials etc. complete.	200.00	Square Metre	267.00	53400.00
38.	Painting wood work iron work such as doors, cupboard, shutters, ornamental grills of 'APCOLITE' of Asian paints or any other approved quality/make synthetic enamel paint of approved colour/shade over a coat of approved pink primer and zinc chromite primer for wood work and M.S. grills respectively, including cleaning and preparing the surface, sand papering, filling up cracks/undulations, with putty for making smooth, surface, scaffolding, lifts and leads, etc. complete, as directed. All labour, plant, tools and materials, etc. complete.	70.00	Square Metre	150.00	10500.00
39.	Painting to ceiling of ground floor, etc. with oil bound distemper in two coats of Asian brand/make or any other approved make/quality and of approved colour/shade, including applying necessary cement primer, lambi, putty, etc. as per the manufacturer specification and maintaining covering capacity throughout the application, cleaning the surface thoroughly, all scaffolding, lifts and leads, etc. as directed. All tools plant, labour and materials etc. complete.	325.00	Square Metre	97.00	31525.00
40.	Providing and applying with Birla brand/make or any other approved wall care to the internal wall surfaces of approved make/quality as per the manufacturer specification or as directed by Chief Engineer or his representative including hacking, scrubbing, cleaning the surface, mixing, finishing smooth, curing, scaffolding all				

	lifts and leads making bands, bags, chambers etc. as directed. All tools, plant, labour and materials etc. complete.	285.00	Square Metre	115.00	32775.00
41.	Painting internal wall surfaces, etc. with oil bound distemper in two coats of Asian brand/make or any other approved make/quality and of approved colour/shade, including applying necessary cement primer, lambi, putty, etc. as per the manufacturer specification and maintaining covering capacity throughout the application, cleaning the surface thoroughly, all scaffolding, lifts and leads, etc. as directed. All labour, plant, tools and materials, etc. complete.	285.00	Square Metre	97.00	27645.00
42.	Painting external walls surface, chajja etc. with water proof cement paint 'APEX' paint or any other approved equivalent quality/make and of colour/shade in two coats maintaining required covering capacity over a coat of approved primer or as per manufacturers specification including cleaning and preparing the surface sand papering filling up cracks using approved crack filler, scaffolding, curing, lifts and leads etc. complete. All tools, plant, labour and materials etc. complete.	265.00	Square Metre	153.00	40545.00
43	Dismantling and clearing away laterite brick or C.C. block masonry without causing any damage to the existing structure and disposing the same with a lead of 100 mt. or as directed and making good the unauthorized damages without any extra cost scaffolding etc. All tools, plant, labour and materials etc. complete.	1.50	Cubic metre	1218.00	1827.00
44	Dismantling doors, having area not more than 3.0m ² including removal of frame fastening etc. from masonry and stacking at places pointed out within a lead of 100 mt or as directed and making good the unauthorized damages without any extra cost, scaffolding etc. All tools, plant, labour and materials etc. complete. (size of Door 0.80 x 2.1)	2.00	Numbers	222.00	444.00
Part I : TOTAL AMOUNT ...Rs.					1153457.00

Part II: Electrical Works

Sr. no.	Description	Qty	Unit	Rate	Amount
1	Wiring of light point with PVC insulated 2 X 1 sq.mm. POWER PLAST, ANCHOR or FINOLEX make copper conductor wire in white colour PVC casing capping complete with all accessories, modular board with 5 amps modular switch, ceiling rose or holder etc using M.S. screws complete.	29	nos.	750	21750
2	Wiring of fan point with PVC insulated 2 X 1.5 sq.mm. POWER PLAST, ANCHOR or FINOLEX make copper conductor wire in white colour PVC casing capping complete with all accessories, modular switch with 5 amps modular switch, ceiling rose, step type modular step type fan regulator, etc using M.S. screws complete.	8	nos.	950	7600
3	Wiring of Exhaust fan point with PVC insulated 2 X 1.5 sq.mm. POWER PLAST, ANCHOR or FINOLEX make copper conductor wire in white colour PVC casing capping complete with all accessories, with 5 amps modular switch and socket.	3	nos.	750	2250
4	Supply, installation & wiring of modular 5 amps. 5 hole socket and modular switch on the same board as light and fan switches, with wiring using 3X1.5 sq.mm copper insulated wire etc. complete.	9	nos.	425	3825
5	Supply, installation & wiring of 5 amps. 5 holes modular socket with wiring using 3X1.5 sq.mm. POWER PLAST, ANCHOR or FINOLEX make copper wire etc. complete on a separate modular board including modular switch on the board as light and fan switches.	15	nos.	675	10125
6	Supply and laying of 2.5sq.mm X 2 and 1.5 sq.mm X 1 copper insulated wires of POWER PLAST, ANCHOR or FINOLEX make in PVC capping and casing complete with all accessories for lighting circuit from DB within the room to the switch boards.	55	mtrs.	140	7700

7	Supply, installation & wiring of Anchor make individual 15 amps multi pin modular socket with modular switch on modular board using 2 X 2.5 sq.mm. copper conductor wires and earthing the third pin with 1.0 sq.mm. insulated copper conductor complete including wiring from the switchboard to the socket using white colour PVC casing capping complete with all accessories for providing plug point for Geyser/Refrigerator.	3	nos.	800	2400
8	Supply and installation of 20 amps concealed metallic box enclosure with metal clad plug and socket and 20 A MCB for providing point for Air conditioner	2	nos.	2400	4800
9	Supply and laying of 2X 4Sq.mm and 1X 1.0Sq. mm copper insulated wires of POWER PLAST, ANCHOR or FINOLEX make in PVC casing capping complete with all accessories for Air conditioner power point circuit.	26	mtrs.	180	4680
10	Supply and laying circuit wiring in PVC white colour casing capping complete with all accessories with PVC insulated 4 X 4 sq.mm. POWER PLAST, ANCHOR or FINOLEX make copper conductor wires from DB in the hall to the DBs in each room with 2.5 sq.mm. insulated copper wire for earthing complete with termination at the switchboards.	30	mtrs.	260	7800
11	Supply and installation of telephone socket including providing and fixing modular box covered with appropriate modular plate complete with all accessories.	3	nos.	225	675
12	Supply and laying of 5 pair telephone cable in white colour PVC casing capping complete with all accessories for telephone socket circuit.	45	mtrs.	90	4050
13	Supply and installation of Door bell with all accessories, including modular bell switch on a modular board.	3	nos.	225	675
14	Supply & installation of 18Watts LED type tubelight fitting of Philips/Bajaj make complete with all accessories like brass screws etc complete on the wall. The fitting has to be approved by the Port.	25	nos.	3500	87500

15	Supply & installation of 9 Watts LED type tubelight fitting of Philips/Bajaj make complete with all accessories like brass screws etc complete on the wall in toilets and utility rooms. The fitting has to be approved by the Port.	10	nos.	2700	27000
16	Supply & installation of CFL light fitting of Philips/Bajaj make complete with all accessories like brass screws etc complete on the wall above the wash basin. The fitting has to be approved by the Port.	3	nos.	1400	4200
17	Supply & Installation of decorative ceiling fans complete with all accessories. The fan has to be approved by the Port.	8	nos.	3500	28000
18	Supply and installation of Exhaust fan, modular type of 250mm dia with louvers.	3	nos.	1800	5400
19	Supply and installation of geyser of 6ltrs. Capacity complete with accessories.	3	nos.	7500	22500
20	Supply and installation of SPN 8 way DB's of Legrand/Schneider/Merlin Gerin makes in individual rooms complete with wiring and proper termination with lugs and glanding with PVC glands of incoming wires of 4 sqmm x 4 +2.5 sqmm x 2 and outgoing circuits including supply and installation of MCB's 25A 4P MCB - 1no. 10A 1P MCB - 2 nos. 16A 1P MCB - 1 no. 20A 1P MCB - 1 no.	2	nos.	4800	9600
21	Supply and installation of SPN 8 way DB's of Legrand/Schneider/Merlin Gerin makes in individual rooms complete with wiring and proper termination with lugs and glanding with PVC glands of incoming wires of 4 sqmm x 4 +2.5 sqmm x 2 and outgoing circuits including supply and installation of MCB's 60A 4P MCB - 1no. 10A 1P MCB - 2 nos. 16A 1P MCB - 1 no. 20A 1P MCB - 1 no.	1	nos.	5374	5374
22	Supply and Installation of 3phase Digital Energy Meter, 60Amps, MRT tested complete with all accessories in a box.	1	no.	8000	8000

23	Dismantling the old casing capping installed and handing over to Material Management Department of Port at Baina. Any other miscellaneous works as felt necessary for full and final commissioning of the rewiring work.		LS	3000	3000
Part II: Total amount In Rupees					2,78,904.00

Following makes of the material to be used for the electrical work

- i) Wires -- Anchor/ Power plast/Finolex
- ii) Modular switch boards -- Roma/Anchor/Legrand
- iii) Exhaust Fans -- Crompton Greaves/Bajaj/Philips
- iv) Gyser -- Racold/Bajaj/V-guard
- v) LED light fittings -- Philips/Syska/Osram
- vi) Distribution boards-- Legrand/Schneider/Merlin Gerlin
- vii) MCBs -- Legrand/Schneider/L&T
- Viii) Ceiling Fans -- Orient/Crompton Greaves/Havells