

SCHEDULE - B (CIVIL PART)					
Construction of Residential Quarters at at Port Colony Gopalpuri, Gandhidham(14 No's C-Type Quarters).					
Sr. No.	Description of Items	Total Qty.	Rate	Unit	Amount (in Figures)
PART-A	EARTH WORKS				
1	Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil.	2702.59		M3	
2	Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials. All kinds of soil.	802.00		M3	
3	75 mm thick back filling for pitching including supplying of required materials and consolidation etc. complete with : Stone aggregate 40 mm nominal size	600.00		M2	
4	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	2450.18		M3	
5	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	207.42		M3	
6	Supplying and spreading chemical emulsion in sealed containers including delivery as specified and directed. Chlorpyriphos/ Lindane emulsifiable concentrate of 20%.	1370.24		M2	
PART-B	CONCRETE WORKS				
7	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources)	627.01		M3	
8	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand :12 graded stone aggregate 20 mm nominal size) upto plinth level with Cement mortar 1:6 (1 cement : 6 coarse sand)	393.99		M3	
9	Centering and shuttering including strutting, propping etc. and removal of form for all heights :				
A	Foundations, footings, bases of columns, etc. for mass concrete	744.00		M2	
B	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	879.00		M2	
C	Suspended floors, roofs, landings, balconies and access platform	1796.57		M2	
D	Lintels, beams, plinth beams, girders, bressumers and cantilevers	2346.00		M2	
E	Columns, Pillars, Piers, Abutments, Posts and Struts	1919.24		M2	
F	Stairs, (excluding landings) except spiral-staircases	1757.00		M2	
10	Providing and laying in position machine batched and machine mixed design mix M-30 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. .All works upto floor V level. (minimum Cement consumption 350Kg /Cum for M-30)	1525.73		M3	

Sr. No.	Description of Items	Total Qty.	Rate	Unit	Amount (in Figures)
11	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.	225.00		M2	
12	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level and above upto floor five level Thermo-Mechanically Treated bars of grade Fe-500D or more.	156565.23		KG	
PART-C	BRICK & Plaster WORKS				
13	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1 cement : 6 coarse sand)	768.89		M3	
14	12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand)	7220.58		M2	
15	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster 1:3 (1 cement : 3 coarse sand) finished rough with sponge.	2498.40		M2	
16	Providing and fixing chicken wire mesh 150 mm wide 24 gauge with opening of 25x25mm at the junction of RCC or specified, including fixing with GI nails all complete to the satisfaction of the Engineer in charge.	971.90		M2	
PART-D	Tiles , Stone & Painting Works				
17	Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I.wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with :				
A	12.5 mm thick tapered edge gypsum fire resistant board conforming to IS: 2095- Part I	1127.65		M2	

Sr. No.	Description of Items	Total Qty.	Rate	Unit	Amount (in Figures)
18	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite of any colour and shade (Area of slab over 0.50 sqm)	430.58		M2	
19	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge	139.23		Metre	
20	Extra for providing opening of required size & shape for wash basin/kitchen sink in kitchen platform, vanity counter and similar location in marble/ Granite/ stone work, including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete.	14.00		Each	
21	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) : 25 mm thick.	94.50		M2	
22	Washed stone grit plaster on exterior walls height upto 10 metre above ground level, in two layers, under layer 12 mm cement plaster 1:4 (1 cement : 4 coarse sand), furrowing the under layer with scratching tool, applying cement slurry on the under layer @ 2 Kg of cement per square metre, top layer 15 mm cement plaster 1:1/ 2:2 (1 cement: 1/2 coarse sand : 2 stone chipping 10 mm nominal size), in panels with groove all around as per approved pattern, including scrubbing and washing the top layer with brushes and water to expose the stone chippings, complete as per specification and direction of Engineer-in-charge.	630.00		M2	
23	Providing and laying vitrified floor tiles (Glossy/Matt finish double charges tiles) in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting of joints (Payment for grouting of joints to be made separately) etc., complete. Size of Tile 600x600 mm	1541.53		M2	
24	Providing and laying Vitrified tiles (Glossy/Matt finish double charges tiles) in different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS: 15622, of approved brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately). Size of Tile 600x600 mm	171.29		M2	
25	Providing and fixing 1st quality ceramic glazed floor tiles conforming to IS : 15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	229.35		M2	
26	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colors, shades (except burgundy, bottle green, black) of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, , laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately).	1198.80		M2	

Sr. No.	Description of Items	Total Qty.	Rate	Unit	Amount (in Figures)
27	Grouting the joint of flooring tiles having joint of 3mm width, using epoxy grout mix of 0.7 kg of organic coated filler of desired shade (0.1 kg of hardener and 0.2 kg of resin per kg) including filling/grouting and finishing complete as per direction of Engineer-in-charge.	3140.97		M2	
28	Providing & fixing prefinished, pre-moulded granite stone strips nosing to treads of steps of staircase with epoxy resin based adhesive including cleaning etc. complete as per directions of Engineer-in-charge.	364.00		Meter	
29	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	7220.58		M2	
30	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. Two OR MORE coats	7220.58		M2	
31	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface :water thinnable cement primer.	7220.58		M2	
32	Finishing walls with Acrylic Smooth exterior paint of required shade : New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	2498.40		M2	
33	Applying priming coat:With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)	1062.80		M2	
34	Applying priming coat With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel work (second coat)	108.60		M2	
35	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture.	108.60		M2	
36	Finishing walls with textured exterior paint of required shade: Finish its unique engraved texture and range of pattern as per direction of Engineer-in-charge. Two or more coats	249.84		M2	
PART-E	DOOR, Windows & SS Railing WORKS				
37	Providing wood work in frames of doors,windows,clerestorywindows and other frames, wrought framed and fixed in position with hold fast lugs orwith dash fasteners of required dia& length (including holdfast lugs or dash fastener). Second class teak wood.	6.99		M3	
38	Providing laminated veneer lumber conforming to IS:14616 and TAD -15:2001 (Part B) in factory made frames of doors, windows, clerestory windows and other frames, wrought framed and fixing in position with hold fast lugs or with dash fasteners of required dia & length.	2.41		M3	
39	Providing and fixing paneled or paneled and glazed shutters for decorative doors, windows and clerestory windows, including ISI marked S.S. pressed butt hinges bright finished of required size with necessary. Second class teak wood 35 mm thick shutters.	61.11		M2	
40	Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick with Fly proof stainless steel grade 304 wire gauge with 0.5 mm dia. wire and 1.4 mm wide aperture with matching wood beading.	33.81		M2	

Sr. No.	Description of Items	Total Qty.	Rate	Unit	Amount (in Figures)
41	Providing and fixing ISI marked flush door shutters conforming to IS :2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and Fixing 1.5 mm decorative high pressure laminated sheet of plain / wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality on both faces of shutters and four side faces covered teak wood batten patti all complete as directed by Engineer in charge.				
41.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	156.24		M2	
41.2	30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	90.30		M2	
41.3	25 mm thick (for cupboard) including ISI marked Stainless Steel butt hinges with necessary screws	252.00		M2	
42	Providing and fixing following approved make stainless steel (SS 304 Grade) fixtures with stainless steel screws, nut & bolts etc. complete as directed.				
42.1	Aldrops 300x16 mm Size	131.00		Each	
42.2	Aldrops 250x16 mm Size	131.00		Each	
42.3	Door Latch 250x16x5 mm Size	131.00		Each	
42.4	Handle 150 mm	262.00		Each	
42.5	Handle 125 mm	84.00		Each	
42.6	Handle 100 mm	84.00		Each	
42.7	Tower Bolts 200 mm Size	131.00		Each	
42.8	Tower Bolts 100 mm Size	42.00		Each	
42.9	Floor door stopper with rubber cushion 150mm size	131.00		Each	
42.10	Eye hooks 150 mm size	42.00		Each	
42.11	Magnetic catcher triple strip horizontal type.	84.00		Each	
43	Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete				
43.1	100X58X1.90 mm	42.00		Each	
43.2	125x64x1.90 mm	42.00		Each	
44	Providing and fixing aluminum work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge :				
	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required. Polyester powder coated Aluminium (minimum thickness of polyester powder coating 50 micron)	1496.70		Kg.	
45	Providing and fixing glazing in Aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in-charge . : With float glass panes of 5.50 mm thickness.	249.45		M2	

Sr. No.	Description of Items	Total Qty.	Rate	Unit	Amount (in Figures)
46	Providing and fixing of Fly proof stainless steel grade 304 wire gauge with 0.5 mm dia. wire and 1.4 mm wide aperture in Aluminium window.	124.73		M2	
47	Filling the gap in between Aluminium frame & adjacent RCC/ Brick/Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge. Upto 5mm depth and 5 mm width	896.30		RMT.	
48	Providing and fixing chromium plated brass night latch of approved quality including necessary screws etc. complete.	14.00		Each	
49	Providing and fixing chromium plated brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.	14.00		Each	
50	Providing and fixing special quality chromium plated brass cupboard locks with six levers of approved quality including necessary screws etc. complete. Size 40 mm	42.00		Each	
51	Providing and fixing chromium plated brass curtain rod having wall thickness of 1.25 mm with two chromium plated brass brackets fixed with C.P. brass screws and PVC sleeves etc., wherever necessary complete : 20 mm dia	607.00		Rmt.	
52	Providing and fixing SS Door Eye Viewer for main doors complete. Size 50mm	14.00		Each	
53	Providing and fixing chromium plated brass 50 mm cupboard or wardrobe knobs with nuts complete.	42.00		Each	
54	Providing and fixing of modular kitchen furniture including all the material, labour, complete as directed by Engineer-in-charge as per following specifications complete as per direction of engineer in charge.: (a) 4 to 8 shutters made of 19mm thick gurjan ply. (b) Autohinges. C) SS (304 Grade) Tandom box with all necessary fitting, fixture, accessories for compartment and drawer, telescopic channel, fancy Handle, magnet, hinges, table chains, Screw, etc.. (d) Closed shelves with drawers 19mm thick gurjan ply. (e) All the faces of Gurjan ply should be laminated with 1.00 mm thick Sunmica sheet. Note:- Plain surface area in elevation will be measured for payment purpose.	64.73		M2	
55	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in paneling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of Engineer-in-charge.Pre-laminated particle board with decorative lamination on both sides.	122.00		M2	
56	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	2638.40		KG	
57	Steel work welded in built up sections/ framed work, including cutting,hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	900.00		Kg	
58	Providing and fixing M.S. round or square bars with M.S. flats at required spacing in frames of windows and clerestory windows.	2267.64		KG	

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59	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete	5775.00		KG	
60	Providing & fixing 6 mm thick multiwall poly carbonate sheet of required shape and shade complete with cost of nuts, bolts, washers, aluminum wind etc. filling of gassheets at joint of sheets and siliearth in joints and gaps. The work also comprises of fixing of aluminum jingles at both sides of sheets as directed by Engineer-in-charge.	225.00		M2	
61	Providing and fixing Aluminium Louvers of required size with 4mm float glass including all accessories with anodized coating and sealant for filling of gap as per direction of engineer in charge.	11.34		M2	
62	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. (for Internal Work)				
62.1	25 mm nominal outer dia Pipes	280.00		Rmt.	
62.2	32 mm nominal outer dia Pipes	280.00		Rmt.	
62.3	40 mm nominal outer dia Pipes	140.00		Rmt.	
62.4	50 mm nominal outer dia Pipes	140.00		Rmt.	
63	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. (For external Work)				
63.1	32 mm nominal outer dia Pipes	140.00		METRE	
63.2	50 mm nominal outer dia Pipes	140.00		METRE	
63.3	75 mm nominal outer dia Pipes	70.00		METRE	
63.4	100 mm nominal outer dia Pipes	140.00		METRE	
64	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS: 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required : Kitchen sink with drain board 510x1040 mm bowl depth 200 mm	14.00		Each	
65	Providing and fixing CP Brass Swan Neck Tap of good quality & make as approved by Engineer in charge. (a) 15 mm nominal dia	14.00		Each	
66	Providing and fixing white vitreous china extended wall mounting water closet of size 780x370x690 mm of approved shape including providing & fixing white vitreous china cistern with dual flush fitting, of flushing capacity 3 litre/ 6 litre (adjustable to 4 litre/ 8 litres), including seat cover, and cistern fittings, nuts, bolts and gasket etc. complete.	14.00		Each	
67	Providing and fixing floor mounted, white vitreous china single piece, double traps syphonic water closet of approved brand/ make, shape, size and pattern including integrated white vitreous china cistern of capacity 10 litres with dual flushing system, including all fittings and fixtures with seat cover, cistern fittings, nuts, bolts and gasket etc. including making connection with the existing P/S trap, complete in all respect as per directions of Engineer-in-Charge	14.00		Each	
68	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in -charge.	28.00		Each	

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69	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required: White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	14.00		Each	
70	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: (a) White Vitreous China Flat back wash basin size 550x 400 mm with single 15 mm C.P. brass pillar tap	56.00		Each	
71	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings.	28.00		Each	
72	Providing and fixing CP Brass 32mm size Bottle Trap of approved quality & make and as per the direction of Engineer-in-charge	28.00		Each	
73	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. 32 mm dia (Flexible pipe)	28.00		Each	
74	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete: 25 mm nominal bore	14.00		Each	
75	Providing and fixing SS grating of approved quality and colour.				
A	Circular type 100 mm nominal dia	168.00		Each	
76	Providing and fixing C.I. sluice valves (with cap) complete with bolts, nuts, rubber insertions etc. (the tail pieces if required will be paid separately) :				
A)	100 mm dia- Class-I	2.00		Each	
B)	150 mm dia- Class-I	2.00		Each	
77	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :				
A)	50 mm nominal bore	15.00		Each	
78	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion,(i) Single socketed pipes.				
a)	75 mm diameter	140.00		Rmt.	
b)	110 mm diameter	140.00		Rmt.	
79	Providing and fixing PVC soil waste pipe as per IS 4985 including Y bends Elbow ,T of the require suitable size of the pipe ,the rates are including fitting, cutting , bending complete as per direction of Engineer In- Charge.				
a)	50 mm Dia pipe	50.00		Rmt.	
b	75 mm Dia pipe	100.00		Rmt.	
c)	110 mm Dia pipe	100.00		Rmt.	
80	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	25500.00		per litre	

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81	Constructing brick masonry chamber for underground C.I. inspection chamber and bends with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg), R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:5:10 (1 cement : 5 coarse sand (Zone III) : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand), finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design: Inside dimensions 500x700 mm and 45 cm deep for pipe line with one or two inlets : with common burnt clay F.P.S. (non modular) bricks of class designation 7.5.	20.00		each	
82	Extra for depth beyond 45 cm of brick masonry chamber : For 500x700 mm size With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	20.00		Meter	
83	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design : Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	20.00		each	
84	Extra for depth for manholes : Size 90x80 cm ,With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	20.00		Meter	
85	Providing and fixing PVC manhole cover Heavy duty with frame 600 x 600 mm size clear opening including cost of all labour & material as directed.	40.00		Each	
86	Rectangular shape 600x450 mm precast R.C.C. manhole cover with frame - L.D. - 25	20.00		Each	
87	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors :100 mm inlet and 100 mm outlet. Sand cast iron S&S/ PVC as per IS: 3989	56.00		Each	
88	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete :				
A)	150 mm dia. R.C.C. pipe	200.00		Meter	
B)	300 mm dia. R.C.C. pipe	400.00		Meter	
89	Providing and fixing of 100 mm sand cast Iron grating for gully trap.	42.00		Each	
90	Providing and fixing of S.W. PVC gully trap P/S-type 100x100 mm Square Size.	42.00		Each	

Sr. No.	Description of Items	Total Qty.	Rate	Unit	Amount (in Figures)
91	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design : 100x100 mm size P type With common burnt clay F.P.S. (non modular) bricks of class designation 7.5.	42.00		Each	
92	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	56.00		Each	
93	Providing and fixing Stainless Steel towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement complete, as per direction of Engineer in Charge.	56.00		Each	
94	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931				
A	15mm nominal bore	84.00		Each	
95	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :15 mm nominal bore.	168.00		Each	
96	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 15 mm nominal bore	168.00		Each	
97	Providing and fixing CP Brass Single lever telephonic wall mixer of quality & make as approved by Engineer in charge. (a) 15 mm nominal dia	14.00		Each	
98	Providing and fixing toilet paper holder : C.P. brass	42.00		Each	
99	Providing of PVC Nahni trap 100 mm dia.	42.00		Each	
100	Providing and fixing Stainless Steel towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement complete, as per direction of Engineer in Charge. 600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm	56.00		Each	
101	Providing and fixing CP Brass soap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms.	56.00		Each	
102	Providing and fixing of Hand shower(Health Faucet ABS Body) with 8mm dia 1.20 M long Flexible tube and wall hook complete.as per direction of Engineer-in-Charge	42.00		Each	
103	Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet :				
103.1	100 mm diameter	14.00		Each	
103.2	150 mm diameter	28.00		Each	
PART-G	Water proofing Works				
104	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : (a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours. (b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.	49.50		M2	

Sr. No.	Description of Items	Total Qty.	Rate	Unit	Amount (in Figures)
105	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. 40 mm thick with 20 mm nominal size stone aggregate	1071.52		M2	
106	Crazy ceramic tile flooring, with under layer 12 mm thick cement mortar 1:4 (1 cement: 4 coarse sand), with joints not exceeding 5 mm, including filling the gaps with ordinary cement mixture & mixing with synthetic polyester fibre, triangular in shape having specific gravity of 1.34 to 1.40, cross section size ranging from 10 to 40 micron & length upto 6 mm , mixing fibre @ 125 grams per 50 kg of cement in cement mortar, including providing and mixing water proofing material in mortar @ 1 kg per 50 kg of cement, all complete as per direction of Engineer-in-charge.	1071.52		M2	
PART-H	Landscaping Works				
107	Providing and laying factory made chamfered edge Cement Concrete paver blocks In foot path, park & lawns driveway or light & traffic parking etc. of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of coarse sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand, all complete as per manufacturer's specifications. 60mm thick Cement concrete paver block of M-35 grade with approved colour, design & pattern.	1775.00		M2	
108	Providing and laying Neelgiri/Mexican grass turf with earth 50mm to 60mm thickness of existing ground prepared with proper level and ramming with tools wooden (Dhormos) and than rolling the surface with light roller make the surface smoothen and light watering with sprinkler and maintenance for 30 days or more till the grass establish properly, as per direction of engineer-in-charge.	800.00		M2	
109	Transplantation of trees with in a distance of 2km including excavation around existing tree, pruning of branches, lifting, loading and transportation of existing tree, digging pits for placing tree at new place, adding manure, sand, fertilizer, hormones and bio fertilizer to it. Levelled and neatly dressed and disposal of surplus materials from old existing and new sites to designated place. Each tree should be firmly secured to the stake so as to prevent excessive movement, flooding with water, treatment of roots, rope and gunny bags as per direction of the officer in charge. T&P and all required materials shall be arranged by the contractor and nothing extra shall be paid on this account. (a) Girth of tree shall be measured at a height of 1m above ground level				
a	Girth of trees upto 50cm.	4.00		Each tree	
b	Girth of trees beyond 50cm and upto 90cm	4.00		Each tree	
c	Girth of trees beyond 90cm and upto 150cm	4.00		Each tree	
d	Girth of trees beyond 150cm	4.00		Each tree	
110	Supplying and stacking of good earth at site including royalty and carriage upto 5 km lead complete (earth measured in stacks will be reduced by 20% for payment)	72.00		m3	
111	Supplying and stacking at site dump manure from approved source, including carriage upto 5 km lead complete (manure measured in stacks will be reduced by 8% for payment) : Screened through sieve of I.S. designation 16 mm	400.00		m3	
112	Mixing and Filling of earth and manure in the required proportion specified or directed by the Officer-in-charge. (cost of supplying earth and manure excluded).	472.00		m3	

Sr. No.	Description of Items	Total Qty.	Rate	Unit	Amount (in Figures)
113	Supplying of Flexible Garden pipes				
(A)	15 mm dia Pipes	90.00		Rmt.	
(B)	20 mm dia Pipes	150.00		Rmt.	
114	Supplying decorative / ornamental plants of various types as directed by engineer-in-charge. Including loading, un-loading and transportation.	500.00		Each	
115	Supply and erection of Twin Plastic Container bins of 100 liter capacity each separate for wet & dry waste material along with MS stand made of MS square box pipe of 50mm with 4mm thickness including loading unloading transportation and fixing at site by concrete pedestal 500x500x800mm on both legs by excavating/breaking the surface at various locations inside / outside cargo jetty area, complete all the cost of material, labour, as directed by Engineer in charge.	8.00		Each	
116	Engagement/deployment of a qualified Interior designer i.e. B.E.(Arch)/Diploma in interior designing to give designs of interior/exterior finishing items, working drawings i.e. Architectural plan, Elevation design, Electrical plan, water supply/sanitary plan, Air conditioning details, furniture plan, furniture selection, ceiling details, bathroom details, , room details, flooring details, wall coverings, furnishings, art effect details, decor product selection, gardening/landscape details, interior and exterior painting details etc. in consultation with Engineer in charge and as approved by Engineer in charge. The Interior designer shall provide drawings for all the finishing items as well as 3D presentation before execution of any item complete as per the specifications.	1.00		LS	
PART-I	Dismantling Works				
117	Dismantling the existing Quarters including removing / separating out the salvage materials like doors & windows masonry, reinforcement etc. complete including removing the foundation and filling the unwanted material outside Gopalpuri upto 4 km lead, prepare the surface for reconstruction of the quarters as directed by the Engineer-in-charge .	7540.00		m2	

CONTRACTOR

**EXECUTIVE ENGINEER (TD)
DEENDAYAL PORT AUTHORITY**