

SCHEDULE-B (CIVIL PART)						
Name of Work:- Construction of Residential Quarter at Port Colony, G'puri - Construction of A-Type Quarters.						
Sr.No.	Description of Items	Quantity	Rate		Unit	Amount (In Figures)
			In Fig.	In Word		
Structure Work						
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.	1651.00			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.	284.00			m3	
3	Filling of 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.	1935.00			m3	
4	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	156.00			m3	
5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :					
(a)	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)	235.00			m3	
6	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).	636.00			m3	
7	Centering and shuttering including strutting, propping etc. and removal of formwork for:					
(a)	Foundations, footings, bases of columns, etc. for mass concrete	651.00			m2	
(b)	Lintels, beams, plinth beams, girders, bressumers and cantilevers	3128.00			m2	
(c)	Walls (any thickness) including attached pilasters, butteresses, plinth and string	216.00			m2	
(d)	Weather shade, Chajjas, corbels etc., including edges	56.00			m2	
(e)	Columns, Pillars, Piers, Abutments, Posts and Struts (Above Plinth Level)	916.00			M2	
(f)	Suspended floors, roofs, landings, balconies and access platform	1470.00			M2	
8	Providing and laying in position machine batched and machine mixed design mix M-25 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."(Note :- Cement content considered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately).					
(a)	Providing M-30 grade concrete instead of M-25 (Concrete with minimum cement content of 350 kg /cum at all floor levels)	886.00			M3	
9	Steel reinforcement for R.C.C. work including supply, straightening, cutting,bending, placing in position and binding all complete upto plinth level and above.					
(a)	Thermo-Mechanically Treated bars of grade Fe-500D or more.	158253.00			KG	
10	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 :					
(a)	Cement mortar 1:6 (1 cement : 6 coarse sand)	865.00			m3	
11	12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand)	4597.00			m2	

Sr.No.	Description of Items	Quantity	Rate	Unit	Amount
12	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.	3798.00		m2	
13	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 : 12.5 mm thick tapered edge gypsum fire resistant board conforming to IS: 2095- Part I	573.00		M2	
14	Supplying and spreading chemical emulsion in sealed containers including delivery as specified and directed. Chlorpyrifos/ Lindane emulsifiable concentrate of 20%.-termite	848.00		m2	
15	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 incharge.	840.00		m2	
Painting Work					
16	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.	3925.00		m2	
17	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface :	3925.00		m2	
18	Water thinnable cement primer				
18	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	3925.00		m2	
19	Two or more coats				
19	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade: New work (Two or more coats applied @ 1.43 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	1899.00		m2	
20	Finishing walls with textured extrior paint of required shade: Finish its unique engraved texture and range of pattern as per direction of Engineer-in-charge. Two or more coats	1899.00		m2	
Flooring & Roofing Work					

Sr.No.	Description of Items	Quantity	Rate	Unit	Amount
21	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 the joints with white cement and matching pigments etc., complete.				
(a)	Size of Tile 600x1200mm	291.00		m2	
22	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, with cement based high polymer modified quick-set tile adhesive (Water based) conforming to IS: 15477, in average 3mm thickness., jointing with grey cement slurry @ 3.3kg/sqm including grouting the joint with white cement & matching pigments etc. complete. Size of Tile 600x1200mm				
(a)	Size of Tile 600x1200mm	60.00		m2	
23	Providing and laying vitrified floor 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 the joints with white cement and matching pigments etc., complete.				
(a)	Size of Tile 600x600mm	267.00		m2	
24	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joint with white cement & matching pigments etc. complete.				
(a)	Size of Tile 600x600mm	37.00		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 (1cement: 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.	143.00		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 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.	900.00		m2	
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 hardner and 0.2 kg of resin per kg) including filling/grouting and finishing complete as per direction of Engineer-in-charge.	1697.00		m2	
28	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	223.00		m2	

Sr.No.	Description of Items	Quantitv	Rate		Unit	Amount
29	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 as directed by the Engineer-in-charge.					
(a)	Area of slab over 0.50 sqm	142.00			m2	
30	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.	144.00			RMT	
31	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	738.00			m2	
32	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.	738.00			m2	
Outside Area						
33	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.	851.00			m2	
FRP Sheet						
34	Providing & fixing UV stabilised fiberglass reinforced plastic(FRP) sheet roofing up to any pitch, including fixing with polymer coated 'J' or 'L' hooks, bolts & nuts 8mm dia. G.I plain/bitumen washers complete but excluding the cost of purlins, rafters, trusses etc. The sheets shall be manufactured out of 2400 TEX panel rovgivs incorporating minimum 0.3% ultra-violet stabiliser in resin system under approximately 2400 psi and hot cured. They shall be of uniform pigmentation and thickness without air pockets and shall conform to IS 10192 and IS 12866.The sheets shall be opaque or translucent, clear or pigmented, textured or smooth as specified. 2mm thick flat	608.00			m2	
35	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.	15203.00			Kg	

Sr.No.	Description of Items	Quantitv	Rate		Unit	Amount
36	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.).	1287.00			Kg	
Wooden Work						
37	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length.					
(a)	Second class teak wood	6.00			m3	
(b)	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.	3.00			m3	
38	Providing and fixing panelled or panelled 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.	19.00			m2	
39	Providing and fixing mosquito door and Window shutter with aluminium Jali, second class teak wood frame, SS tower bolt, stopper, handle with stainless steel, aldrops complete as per direction of engineer in charge: 30 mm thick shutters	30.00			m2	
40	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 Enginner in charge.					
a)	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	115.00			m2	
b)	25 mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. Piano hinges IS : 3818 marked with necessary screws	241.00			m2	
41	Providing and fixing stainless steel following fixtures with stainless steel screws, nut & bolts etc. complete as directed.					
a)	Aldrops 300x16 mm Size	8.00			each	
b)	Aldrops 250x16 mm Size	20.00			each	
c)	Door Latch 250x16x5 mm Size	48.00			each	
d)	Handle 150 mm	60.00			each	
e)	Tower Bolts 200 mm Size	8.00			each	
f)	Tower Bolts 100 mm Size	60.00			each	
g)	Floor door stopper with rubber cusion 150mm size	68.00			each	
h)	Eye hooks 150 mm size	272.00			each	
i)	Magnetic catcher triple strip horizontal type.	44.00			each	
42	Providing and fixing chromium plated brass night latch of approved quality including necessary screws etc. complete.	16.00			each	

Sr.No.	Description of Items	Quantitv	Rate	Unit	Amount
43	Providing and fixing M.S. round or square bars with M.S. flats at required spacing in frames of windows and clerestory windows.	897.00		KG	
44	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	450.00		KG	
45	Providing and fixing factory made uPVC white colour sliding glazed window upto 1.50 m in height dimension comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing beads and uPVC extruded interlocks, EPDM gasket, wool pile, zinc alloy (white powder coated) touch locks with hook, zinc alloy body with single nylon rollers (weight bearing capacity to be 40 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete with Single Toughened glass of 5mm thickness, wire mesh and silicon sealant as per approved drawing & direction of Engineer-in-	37.00		M2	
46	Providing and fixing factory made uPVC white colour sliding glazed door comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension uPVC extruded glazing beads, uPVC extruded interlock and uPVC extruded Inline sash adaptor (if required), EPDM gasket, wool pile, zinc alloy (white powder coated) handle with key on one side of extreme panels along with zinc plated mild steel multi point locking having transmission gear with keeps, zinc alloy (white powder coated) crescent lock (if required), stainless steel (SS 304 grade) body with adjustable double nylon rollers (weight bearing capacity to be 120 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete with Single Toughened glass of 6mm	139.00		M2	
47	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work	279.00		M2	
48	Providing and fixing Chromium plated brass curtain rods of wall thickness 1.25 mm with two Chromium plated brass brackets fixed with SS screws and wooden plugs etc. wherever necessary complete. 20 mm diameter.	66.00		Meter	
49	Providing and fixing Aluminium Louvers of required size with 4mm float glass including all accessories with anodised coating and sealant for filling of gap as per direction of engineer in charge.	36.00		Each	
50	Providing and fixing special quality bright finished brass cupboard or ward robe locks with four levers of approved quality including necessary screws etc. complete.	36.00		each	
a)	40 mm	36.00		each	
51	Providing and fixing chromium plated brass 50 mm cupboard or wardrobe knobs with nuts complete.	108.00		each	
52	Providing and fixing modular kitchen furniture including 18/12 mm ply with outer & inner laminate with jali of SS Tandem, telescopic channel, Handle, magnet, hinges, table chains, Screw, etc. complete as per direction of engineer in charge.	24.00		M2	
Sanitary Work					

Sr.No.	Description of Items	Quantitv	Rate	Unit	Amount
53	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 225 mm	4.00		each	
54	Providing and fixing CP Brass Swan Neck Tap of good quality & make as approved by Engineer in charge. (a) 15 mm nominal dia	4.00		each	
55	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	16.00		each	
56	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:				
(a)	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	4.00		each	
57	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.	20.00		each	
58	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	28.00		each	
59	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	
60	Providing and fixing vitreous china counter top wash basin of size :- 600x400mm of white colour approved make including all connection, C.P. waste 32mm dia & 15 mm C.P. brass pillar tap, including the cost of fittings etc. complete as per direction of Engineer-in-charge.	4.00		each	
61	Providing and fixing CP Brass Single lever telephonic wall mixer of quality & make as approved by Engineer in charge. (a) 15 mm nominal dia	28.00		each	
62	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.				
(a)	32 mm dia (Flexible pipe)	28.00		each	
63	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	
64	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 dia.(outer Dia)	200.00		Rmt.	
b)	110 mm dia.(outer Dia)	120.00		Rmt.	

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65	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	400.00		Rmt.	
b)	75 mm Dia pipe	400.00		Rmt.	
c)	110 mm Dia pipe	400.00		Rmt.	
66	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	160.00		Meter	
(b)	300 mm dia. R.C.C. pipe	160.00		Meter	
67	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:				
(a)	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	12.00		each	
68	Extra for depth beyond 45 cm of brick masonry chamber :				
(a)	For 500x700 mm size With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	11.00		M	
69	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 :				
(a)	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	4.00		each	
70	Extra for depth for manholes : Size 90x80 cm With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	4.00		M	
71	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.				
(a)	15 mm nominal outer dia Pipes	80.00		RMT	
(b)	20 mm nominal outer dia Pipes	400.00		RMT	
(c)	25 mm nominal outer dia Pipes	400.00		RMT	

Sr.No.	Description of Items	Quantitv	Rate		Unit	Amount
72	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 : 15 mm nominal bore.	56.00			each	
73	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 15 mm nominal bore	28.00			each	
74	Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet : 150 mm diameter	28.00			each	
75	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete: 25 mm nominal bore	8.00			each	
76	Providing and fixing Stainless Steel towel rail complete with brackets fixed to wooden cleats with CP brass screws with conealed 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	24.00			each	
77	Providing and fixing of Hand shower(Health Faucet) with 8mm dia 1.20 M long Flexible tube and wall hook complete.as per direction of Engineer-in-Charge	20.00			each	
78	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 15mm nominal bore	24.00			each	
79	Providing and fixing C.P brass long body bib cock of approved quality conforming to is standard and weighting not less than 810grms. : 15mm nominal bore.	48.00			each	
80	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.	12.00			each	
	For U/G Water Tank					
81	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 25 mm nominal bore	8.00			each	
82	Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete.	36.00			each	
83	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.	28.00			each	
84	Providing and fixing PTMT gully or nahani grating 150 mm Nominal Size Square 100 mm Dia of inner hinged round grating	64.00			each	
85	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.	28.00			each	
86	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.- Circular tank	24000.00			Liter	
87	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 (Dhurmos) 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.	4000.00			m2	

Sr.No.	Description of Items	Quantitv	Rate		Unit	Amount
88	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 incharge. 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.	2.00			Each tree	
b	Girth of trees beyond 50cm and upto 90cm	2.00			Each tree	
c	Girth of trees beyond 90cm and upto 150cm	2.00			Each tree	
d	Girth of trees beyond 150cm	2.00			Each tree	
89	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)	1843.00			m3	
90	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	553.00			m3	
91	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).	2396.00			m3	
92	Supplying of Flexible Garden pipes					
	(A) 15 mm dia Pipes	120.00			Rmt.	
	(B) 20 mm dia Pipes	120.00			Rmt.	
93	Supplying decorative / ornamental plants of various types as directed by engineer-in-charge. Including loading, un-loading and transportation.	800.00			Each	
Dismantling Work						
94	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 .	522.84			M2	
Credit Part						
1	Taking away the salvage material to be received from the dismantling of A type quarters. Complete as directed by Engineer-in-charge.(Separate sheet attached).-for A Type quarters	522.84			M2	
Total Rs.						
Contractor			EXECUTIVE ENGINEER (TD) DEENDAYAL PORT AUTHORITY			