

Name of Work :- Construction of Prant Officer Quarter at Tharad, Dist. Vav-Tharad. (D1-Type, 1 Unit)

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1	Dismantling tiled of stone floors laid in mortar including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift.	Bldg. 20.11(II)	130	
2	Dismantling doors, windows, ventilators etc. (wood or steel) shutters including chowkhats architraves, holdfasts and other attachment etc. complete and stacking them within all lead and lift. (i) Not exceeding 3 Sq.Mt. in area.	Bldg. 20.49(I)	133	
3	Demolition including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift. (i) R.C.C. work	Bldg. 20.3	130	
4	Demolition of Brick work and stone masonry including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift. (ii) In Cement Mortar.	Bldg. 20.11(II)	130	
5	Dismantling sanitary fittings like wash basin . W.C. pan Indian and European type, flushing tank etc. including stacking the materials with all lead and lift	Bldg. 20.001	133	
6	Dismantling steel work including distempering and stacking the materials with all lead and lift.	Bldg. 20.43	132	
7	Excavation for foundation upto 1.50 mt depth including sorting out and stacking of useful materials and disposing the excavated stuff with all lead (A) Loose of Soft soil.	Bldg. 4.0.0(A)	21	Excavated stuff shall be disposed of with all required lead instead of 50 mt lead

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8	Excavation for foundation 1.50 mt to 3.00 mt depth including sorting out and stacking of useful materials and disposing the excavated stuff with all lead (B) Dense or Hard Soil	Bldg. 4.0.1(A)	25	Excavated stuff shall be disposed of with all required lead instead of 50 mt lead
9	Excavation for foundation 3.00 mt to 5.00 mt depth including sorting out and stacking of useful materials and disposing the excavated stuff with all lead (C) Hard Murrum	Bldg. 4.00.2(C)	26	Excavated stuff shall be disposed of with all required lead instead of 50 mt lead
10	Providing and filling rubbles including hand packing and filling interstices with quarry spalls behind abutments and between returns as directed.	Separate Sheet Attached		
11	Filling available excavated Earth (Excluding Rock) in trench plinth side of foundation . in layer not excluding 20 cm in depth consolidation each deposited layer by ramming and watering etc. complete	Bldg. 4.12	27	
12	Filling foundation and plinth with murrum or selected soil in layer of 20 cm in thickness including ramming watering and consolidating etc. complete	Bldg. 4.004	28	
13	Filling in foundation and plinth with sand in layers of 20 cm. Thickness including watering ramming and consolidating etc. complete.	Bldg. 4.24	28	
14	Carrying out plinth treatment to post construction / existing structure by spraying chemical solution for termite control treatment including labour and material consistent with I.S.I specification. Using Chlordene and Chiorpurfiles 20 EC. As Per 6131_paret-II Concentration Weight one percent is recommended i.e one litre 20 EC chemical emulsion with 19 litter give 1 % concentration inclusive of one litre chemical emulsion application at the rate of 5 Litre chemical / Sq.Mt of surface is recommended as per I.S.	Bldg. 22.00.7	137	

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15	Providing and laying controlled cement concrete M-150 and curing complete including the cost of form work and reinforcement for reinforced concrete work in :(a) Foundations, footings Bases of columns and the like and Mass concrete.	Bldg. 5.8.1.(A) 9.1(A)	38 54	
16	Providing and laying controlled cement concrete M-250 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in foundation footings, base of columns and mass concrete.	Bldg. 5.8.3.(A) 9.1(A)	40 54	Payment shall be made on Cu.M. basis of Complete item
17	Providing and laying controlled cement concrete M-250 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in Columns, pillars posts and struts upto plinth	Bldg. 5.8.3.(D) 9.1(G)	40 56	Payment shall be made on Cu.M. basis of Complete item
18	Providing and laying cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 Crushed stone aggregates 40 mm. nominal size) and curing complete excluding cost of from work in :(a) Foundation and plinth	Bldg. 5.3.2(A)	30	
19	Providing and laying controlled cement concrete M-150 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in plinth slabs	Bldg. 5.8.1.(A) 9.1(A)	38 54	Payment shall be made on Cu.M. basis of Complete item
20	Providing and laying controlled cement concrete M-200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in Columns, pillars posts and struts G.FLOOR	Bldg. 5.8.2.(D) 9.1(G)	39 56	Payment shall be made on Cu.M. basis of Complete item
21	Providing and laying controlled cement concrete M-200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in Columns, pillars posts and struts F.FLOOR	Bldg. 5.8.2.(D) 9.1(G) 5.4.13	39 56 37	Payment shall be made on Cu.M. basis of Complete item

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22	Providing and laying controlled cement concrete M-250 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in Plinth BEAMS	Bldg. 5.8.3.(B) 9.1(H)	40 56	Payment shall be made on Cu.M. basis of Complete item
23	Providing and laying controlled cement concrete M-200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in BEAMS Ground Floor	Bldg. 5.8.2.(C) 9.1(H)	39 56	Payment shall be made on Cu.M. basis of Complete item
24	Providing and laying controlled cement concrete M-200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in Lintels Ground Floor	Bldg. 5.8.2.(C) 9.1(H) 5.4.13	39 56 37	Payment shall be made on Cu.M. basis of Complete item
25	Providing and laying controlled cement concrete M-200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in Chhajjas including finishing the exposed surfaces with cement mortar 1:3 (1cement :3 fine sand) to give a smooth surface GROUND FLOOR	Bldg. 5.8.2.(C) 9.1(L)	39 57	Exposed surface shall be finished with cement mortar 1:3 Payment shall be made on Cu.M. basis of Complete item
26	Providing and laying controlled cement concrete M-200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in SLABS for Ground Floor	Bldg. 5.8.2.(C) 9.1(B)	39 56	Payment shall be made on Cu.M. basis of Complete item
27	Providing and laying controlled cement concrete M-200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in VERTICAL WALLS for Ground Floor	Bldg. 5.8.2.(B) 9.1(C)	39 56	Payment shall be made on Cu.M. basis of Complete item
28	Providing and laying controlled cement concrete M-200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in foundation footings, base of columns and mass concrete. Sump Raft	Bldg. 5.8.2.(A) 9.1(A)	39 54	Payment shall be made on Cu.M. basis of Complete item
29	Providing and laying controlled cement concrete M-200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in WALL for SUMP	Bldg. 5.8.2.(B) 9.1(C)	39 56	Payment shall be made on Cu.M. basis of Complete item

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30	Providing and laying controlled cement concrete M-200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in SILLS Ground Floor	Bldg. 5.8.2.(C) 9.1(H)	39 56	Payment shall be made on Cu.M. basis of Complete item
31	Providing T M T. bar reinforcement of Fe-500D for R.C.C. work including bending binding and placing in position complete up to All floor Level	Separate Sheet Attached & follow Govt Circular Dated 15-02-2017		
32	Providing T M T. bar reinforcement of Fe-500D for R.C.C. work including bending binding and placing in position complete up to Floor Two Level	Separate Sheet Attached & follow Govt Circular Dated 15-02-2017		
33	Providing and laying Brick work using common Brunt clay building bricks having crushing strength not less than 35 Kg./Sq.cm.. In foundation and plinth in cement mortar 1:6 (1cement : 6 fine sand) (b) Conventional	Bldg. 6.13(B)	44	
34	Providing and laying Brick work using common Brunt clay building bricks having crushing strength not less than 35 Kg./Sq.cm.. In super structure above plinth level upto floor two level in cement mortar 1:6 (1cement : 6 fine sand) (b) Conventional {Ground Floor }	Bldg. 6.19 (B)	46	Using cement mortar 1:6 instead of 1:5
35	Providing and laying Brick work using common Brunt clay building bricks having crushing strength not less than 35 Kg./Sq.cm.. In super structure above plinth level upto floor two level in cement mortar 1:6 (1cement : 6 fine sand) (b) Conventional {First Floor }	Bldg. 6.19 (B) 6.20	46 46	Using cement mortar 1:6 instead of 1:5
36	Providing and laying Half brick masonry in common brunt clay building bricks having crushing strength not less than 35 Kg./Sq.cm.. In cement mortar 1:3 (1cement : 3 coarse sand) with 2 Nos. of 6 mm. Diameter mild steel round bars after every three coarse embedded in cement mortar in super structure above plinth level GROUND FLOOR (b) Conventional	Bldg. 6.301(B) 6.33 (B)	47 48	Using cement mortar 1:3 including providing 2 Nos. of 6 mm. Diameter mild steel round bars after every three course

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37	Providing and fixing Double Shutter 35 mm thick FLUSH DOOR with 18 mm thick Granite of approved colour with all exposed edge polished and chamfered and projected 6 mm from finished wall fixing rear face of granite shall be sanded using clean sand sieve No. 10 passed, 2 mm fixed with Araldite, and solid core flush shutter conforming to IS: 2202 and ISI approved manufacturer finished with both size 1 mm thick Laminates, pattern and design is to be approved by the Architect, both side with glued PVC edge beading, as/pattern & selection 4 Nos. 150 mm Hinges with Stainless Steel handle size 30 Cm Long, Tower Bolt size 15cm, & Heavy Stainless steel Aldrop as per detailed drawing / as directed.	Separate Sheet Attached		
38	Providing and fixing Single Shutter 35 mm thick FLUSH DOOR with 18 mm thick Granite of approved colour with all exposed edge polished and chamfered and projected 6 mm from finished wall fixing rear face of granite shall be sanded using clean sand sieve No. 10 passed, 2 mm fixed with Araldite, and solid core flush shutter conforming to IS: 2202 and ISI approved manufacturer finished with both size 1 mm thick Laminates, pattern and design is to be approved by the Architect, both side with glued PVC edge beading, as/pattern & selection 4 Nos. 150 mm Hinges with Stainless Steel handle size 30 Cm Long, Tower Bolt size 15cm, & Heavy Stainless steel Aldrop as per detailed drawing / as directed.	Separate Sheet Attached		
39	Providing and fixing colour anodised Aluminium Section SLIDING window (Four Track) using Jindal E Series { 30 mm} or equivalent section shutter top & bottom- 20993, 0.839 Kg. / Rmt. shutter inter lock-20550, 0.994 Kg. / Rmt. shutter side (handle) - 20553, 0.731 Kg. / Rmt. frame-bottom with Gutter- 21198, 3.197 Kg. / Rmt. frame top & side - 21204, 1.694 Kg. / Rmt. using Three Shutter 5 mm thick transparent Tinted Float glass, and One shutter with Stainless Steel Wire mesh shutters, rubber	Separate Sheet Attached		

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	gasket, air lock strip and finishing joints with silicon sealant, with standard extruded colour anodized aluminium coated fittings and fixture & fastening etc complete. {Colour as directed by Engineer in charge except black & Aluminium section shall be Jindal or equivalent brand and glass of Modiguard, AIS or equivalent brand}			
40	Providing and fixing colour anodised Aluminium Section SLIDING window (Three Track) using Jindal E Series { 30 mm} or equivalent section shutter top & bottom- 20993, 0.839 Kg. / Rmt. shutter inter lock-20550, 0.994 Kg. / Rmt. shutter side (handle) - 20553, 0.731 Kg. / Rmt. frame-bottom with Gutter- 21203, 2.073 Kg. / Rmt. frame top & side - 20837, 1.197 Kg. / Rmt. using Three Shutter 5 mm thick transparent Tinted Float glass, and One shutter with Stainless Steel Wire mesh shutters, rubber gasket, air lock strip and finishing joints with silicon sealant, with standard extruded colour anodized aluminium coated fittings and fixture & fastening etc complete. {Colour as directed by Engineer in charge except black & Aluminium section shall be Jindal or equivalent brand and glass of Modiguard, AIS or equivalent brand}	Separate Sheet Attached		
41	Providing and fixing colour anodised Aluminium Section SLIDING window (Two Track) using Jindal E Series { 30 mm} or equivalent section shutter top & bottom- 20993, 0.839 Kg. / Rmt. shutter inter lock-20550, 0.994 Kg. / Rmt. shutter side (handle) - 20553, 0.731 Kg. / Rmt. frame-bottom with Gutter- 21217, 1.502 Kg. / Rmt. frame top & side - 20835, 0.904 Kg. / Rmt. using Three Shutter 5 mm thick transparent Tinted Float glass, and One shutter with Stainless Steel Wire mesh shutters, rubber gasket, air lock strip and finishing joints with silicon sealant, with standard extruded colour anodized aluminium coated fittings and fixture & fastening etc complete. {Colour as directed by Engineer in charge except black & Aluminium section shall be Jindal or equivalent brand and glass of Modiguard, AIS or equivalent brand}	Separate Sheet Attached		

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42	Providing and fixing colour anodised Aluminium Section casement window {SINGLE SHUTTERS} using Frame section 126 x 50 { Wt. not less than 1.90 Kg / Rmt.} and SERIES B Hollow Section size for Fully glazed shutter {Outside Openable} 57 x 52 mm { wt Not less than 1.065 Kg / Rmt}, 5 mm thick transparent glass, and inside openable Stainless Steel Wire mesh shutters using shutter frame size 45 x 32 mm { wt Not less than 0.914 Kg / Rmt.} & Beading clips 0.155 Kg / Rmt. for Wire mesh 0.71 mm and 0.266 Kg / Rmt. for glazing and rubber bedding and including Stainless Steel ASIS 304 Grade fixture and fastenings and hold fasting with coach bolts etc complete. {Colour as directed by Engineer in charge except black & Aluminium section shall be Jindal or equivalent brand and glass of Modiguard, AIS or equivalent brand}	Separate Sheet Attached			
43	Providing and fixing standard extruded of aluminium section of size 63mm x 38.10mm x 1.2mm @ Wt. 0.643 Kg/mt with colour anodized aluminium frame for ventilation with 5 mm thick frosted glass as details etc complete for Ventilation	Separate Sheet Attached			
44	Providing and fixing Safety grills of required pattern for windows / Door using 12 mm dia M.S polished bars and Rectangular CRC pipes of size 50 x 30 x 2mm at required spacing as per design and hold fasting with coach bolts including one coat of primer and two coats of matt finished oil painting etc complete.	Bldg.	10.100 (A) 19.11 19.7	66 121 122	The fabrication of Grill shall be carried out as per detailed drawing. The grill shall be painted with approved paint two coats followed by red lead primer. Payment shall be made on Kg. basis of complete item.
45	Providing and laying 60 cm x 60 cm GVT Vitrified Tiles 8 mm thick flooring over 20 mm {average} base of cement mortar 1:6 { 1 cement : 6 coarse sand} on new surface or fixing on existing flooring by adhesive materials including dismantling of existing flooring and jointed with colour cement slurry including finished with flush pointing & cleaning the surface etc. complete Colour, shade and Pattern approved by engineer in charge.	Bldg.	14.43A	85	Flooring shall be carried out using vitrified tiles instead of kota stone

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46	Providing and laying GVT Vitrified Tiles 8 mm thick in skirting risers of steps and dedo on 10 mm thick cement plaster 1:3 (1 Cement : 3 coarse sand) and jointed with white cement slurry. {MATCH TO FLOORING}	Bldg. 14.44	86	Flooring shall be carried out using vitrified tiles instead of kota stone
47	Providing & Laying 60cm x 60 cm, 8 mm thick Anti Skid Colour Ceramic tiles flooring in treads of steps and landings laid on a bed of 12 mm thick cement mortar 1:3 (1 Cement : 3 coarse sand) finished with flush pointing in white cement	Bldg. 14.29	84	Work shall be carried out using tiles as specified in item of work. Colour and pattern shall be got approved from Engineer in Charge
48	Providing and laying coloured glazed tiles of the size 300 mm x 600 mm x 8 mm in skirting, risers of steps and dedo on 10 mm. thick cement plaster 1:3 (1 cement : 3 coarse sand) & jointed with white cement slurry.	Bldg. 14.32	84	Work shall be carried out using tiles as specified in item of work. Colour and pattern shall be got approved from Engineer in Charge
49	Providing and laying white glazed tiles 6mm thick in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1-cement : 3-coarse sand) finishing with flush pointing in white cement.	Bldg. 14.29	84	
50	Providing and laying white glazed tiles 6 mm. Thick in skirting risers of steps and dado on 10 mm. Thick cement plaster 1:3 (1 cement : 3 coarse sand) pointing in white cement and jointed with white cement slurry.	Bldg. 14.32	84	
51	Providing and filling the joint with epoxy grout 4 mm width and 8 to 10 mm deep, including cost of necessary materials, PVC spacers, filling grout and cleaning etc complete as directed by engineer in charge. { Colour and Pattern as directed by engineer in charge.}	Separate Sheet Attached		
52	Providing and laying Machine cut, Free edges, Machine polished Granite stone slab 18 mm (Average) thick {Single piece not more than 150 cm } for stair steps and riser as per design incl. full moulded round front edge & 1 cm nosing & necessary groove on trade of steps laid on 20 mm thick cement mortar 1:6 (1 -cement : 6 coarse sand) jointed with grey cement slurry including rubbing and polishing etc. complete	Bldg. 14.43A 14.44	85 86	The work shall be carried out using Granite stone instead of Kota Stone The edges of treads shall be half round molded. Payment shall be made on Sq.Mt. basis for complete item.

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53	Providing and fixing pre-cast Rubber Dye / steel Dye inter locking concrete block 60mm thick with grade of concrete M300 pneumatic compressed / vibrated mechanically and as per approved design Confirming to IS 15658 : 2006 including 35 mm Sand layer for levelling and filling the joint with sand in proper line and level as per guidelines of IRC : SP 63-2018 etc. complete.	Separate Sheet Attached			
54	Providing and fixing pre-cast concrete kerb stone of gray cement based concrete block 30cm length, 30cm height and 15cm thick of M250 grade concrete as per approved design and including excavation for fixing in proper line and level, filling the joint with C:M 1:3 (1 cement : 3 fine sand) etc complete	Separate Sheet Attached			
55	Providing and laying water proofing treatment with china mosaic tiles flooring over avg 50 mm C.C. 1:2:4 {1 Cement : 2 sand : 4 Kapachi / Grit 6 to 12 mm size} bedding for maintaining slope for plain and curve surface & 12 mm to 20 mm of broken piece of ceramic / glazed tiles (one for more colour as directed) to be laid over cement mortar bedding of C M 1:3 (1 cement : 3 sand) contain one Kg of water proofing materials per bag of O P C at plain or / and slops and to be tempered to bring mortar ceramic up to surface with using white cement and colour pigment including rounding of junctions and extending them up to 15 cm along the wall and curing with bends any patterns or design as per drawing and cleaning by using oxalic acid etc complete.	Separate Sheet Attached			
56	Providing and laying Mirror polished Granite stone slab 14-18 mm (Average) thick of approved colour with all exposed edges half round moulded & polished, fixing rear face of granite shall be sanded using clean sand sieve No. 10 passed, 2 mm fixed with Araldite For Doors / Windows sill & Jams Cladding as per design incl. on 10 mm thick cement mortar 1:3 (1 -cement : 3 coarse sand) jointed with grey cement slurry	Bldg.	14.43A 14.44	85 86	The work shall be carried out using Granite stone instead of Kota Stone The Both edges of shall be half round molded. Payment shall be made on Sq.Mt. basis for complete item.

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	including rubbing and polishing & G.I. Fasteners as required, etc. complete.			
57	Providing 20 mm thick double coat mala cement plaster on interior brick / concrete work for plastering comprising of base coat of 12 mm thick cement plaster in cement mortar (1 Cement : 4 coarse sand) in rough finishing and 8 mm thick top coat of cement mortar 1:2 (1 Cement : 2 Coarse sand) finished with trowel including scaffolding curing etc. complete. GROUND FLOOR	Separate Sheet Attached		
58	Providing 20 mm thick double coat mala cement plaster on interior brick / concrete work for plastering comprising of base coat of 12 mm thick cement plaster in cement mortar (1 Cement : 4 coarse sand) in rough finishing and 8 mm thick top coat of cement mortar 1:2 (1 Cement : 2 Coarse sand) finished with trowel including scaffolding curing etc. complete. FIRST FLOOR	Separate Sheet Attached		
59	Providing 10 mm. Thick cement plaster in single coat for plastering on ceiling and soffits of stairs upto floor two level and finished even and smooth in : (I) Cement mortar 1:3 (1 cement : 3 sand) Ground Floor	Bldg.	17.58 (i) 17.91	104 107
60	Providing 20 mm thick Water Proof cement plaster for sunk in single coat on brick / concrete wall for interior plastering up to floor two level finished even and smooth (ii)Cement mortar 1:3 (1-cement ,3- sand) and mixing waterproofing materials of approved brand and manufacture in cement mortar in proportion recommended by the manufacturer for All Floor.	Bldg.	17.61 (i) 17.70	106 106
61	Providing cement vata (10 cm x 10 cm size) quarter round in cement mortar 1:1 including neat cement finishing watering etc. complete.	Bldg.	17.0.0.1	109
62	Providing and fixing chicken mesh jali with square of 12.50 x 12.50 mm of 25 gauge at junction the Brick. masonry and reinforcement cement concrete member including fixing materials scaffolding labour etc. complete.	Separate Sheet Attached		

Providing Recrone S-5 water proofing materials in proportion as directed
Payment shall be made on Sq.Mt. basis of complete item.

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63	Providing 12 mm wide groove / notch in plaster including finishing the same etc. complete for all height.	Separate Sheet Attached		
64	Applying two coats of acrylic lappy (putty) and two coats of primer of approved brand and manufacture on new wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth.	Separate Sheet Attached		
65	Wall painting (three coats) with plastic emulsion paint of approved brand and manufacture on wall surfaces to give an even shade including thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth	Bldg.	18.57 18.59	120 121
66	20 mm. Thick sand faced GUTAKA FINISHED cement plaster on walls upto All height above ground level consisting of 12 mm. Thick backing coat of cam. 1:3 (1 cement : 3 sand) and 8 mm. Thick finishing coat of cam. 1:1 (1 cement : 1 sand) including making groove 6 mm wide and 8 mm deep as approved pattern etc. complete as directed.	Bldg.	17.95	107
				6 mm wide and 8 mm deep groove shall be carried out as directed by engineer in charge. The rate for all required height and includes the labour charges for making grooves. Payment shall be made on Sq.Mt. basis for complete item.
67	Finishing wall with weather proof exterior emulsion paint on wall surface (two coats) to give an required even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials etc complete.	Bldg.	18.51	119
				Using weather proof exterior emulsion paint instead of water proof cement paint.
68	Providing and fixing concealed centre point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [A] 15 mm.	Bldg.	23.2 (A)	141
				Using U.P.V.C. Pipe (SCH-40) instead of G.I. Pipe The fixing of pipe shall be carried out open / concealed as directed Payment shall be made on Rmt. basis complete item

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69	Providing and fixing concealed centre point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [C] 25 mm.	Bldg. 23.2 (C)	141	Using U.P.V.C. Pipe (SCH-40) instead of G.I. Pipe The fixing of pipe shall be carried out open / concealed as directed Payment shall be made on Rmt. basis complete item
70	Providing and fixing concealed centre point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [E] 40 mm.	Bldg. 23.2 (E)	141	Using U.P.V.C. Pipe (SCH-40) instead of G.I. Pipe The fixing of pipe shall be carried out open / concealed as directed Payment shall be made on Rmt. basis complete item
71	Providing laying and jointing in true line and level 15 mm dia. U.P.V.C. Pipe (SCH -40) line including fittings as approved by Engineer In charge. Pipe shall be fixed on the wall with the help of clamp at every two meter C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	Bldg. 23.2 (A)	141	Using U.P.V.C. Pipe (SCH-40) instead of G.I. Pipe The fixing of pipe shall be carried out open / concealed as directed Payment shall be made on Rmt. basis complete item
72	Providing laying and jointing in true line and level 25 mm dia. U.P.V.C. Pipe (SCH -40) line including fittings as approved by Engineer In charge. Pipe shall be fixed on the wall with the help of clamp at every two meter C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	Bldg. 23.2 (C)	141	Using U.P.V.C. Pipe (SCH-40) instead of G.I. Pipe The fixing of pipe shall be carried out open / concealed as directed Payment shall be made on Rmt. basis complete item
73	Providing laying and jointing in true line and level 40 mm dia. U.P.V.C. Pipe (SCH -40) line including fittings as approved by Engineer In charge. Pipe shall be fixed on the wall with the help of clamp at every two meter C/C or shall be concealed as directed including necessary fittings etc.	Bldg. 23.2 (E)	141	Using U.P.V.C. Pipe (SCH-40) instead of G.I. Pipe The fixing of pipe shall be carried out open / concealed as directed

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	including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.			Payment shall be made on Rmt. basis complete item
74	Providing laying and jointing in true line and level 50 mm dia. U.P.V.C. Pipe (SCH -40) line including fittings as approved by Engineer In charge. Pipe shall be fixed on the wall with the help of clamp at every two meter C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	Bldg. 23.2 (F)	141	Using U.P.V.C. Pipe (SCH-40) instead of G.I. Pipe The fixing of pipe shall be carried out open / concealed as directed Payment shall be made on Rmt. basis complete item
75	Providing and fixing to wall, ceiling and floor galvanised mild steel tubes (Medium grade) of the following nominal bore, tube, fittings and clamps included making good the wall, ceiling and floor. (E) 40 mm.	Bldg. 23.2 (E)	141	
76	Providing and fixing to wall, ceiling and floor galvanised mild steel tubes (Medium grade) of the following nominal bore, tube, fittings and clamps included making good the wall, ceiling and floor. (C) 25 mm.	Bldg. 23.2 (C)	141	
77	Providing and fixing to wall, ceiling and floor galvanised mild steel tubes (Medium grade) of the following nominal bore, tube, fittings and clamps included making good the wall, ceiling and floor. (A) 15 mm.	Bldg. 23.2 (A)	141	
78	Providing and fixing Heavy Handle valve of approved brand & following internal dia of Brass including fixing in pipe lines etc. complete. (C) 25 mm Dia	Bldg. 23.99 (C)	152	The heavy duty ISI mark handle valve shall be used instead of wheel valve. Brand and model shall be got approved before fixing
79	Providing and fixing Heavy Handle valve of approved brand & following internal dia of Brass including fixing in pipe lines etc. complete. (E) 40 mm Dia	Bldg. 23.99 (E)	152	The heavy duty ISI mark handle valve shall be used instead of wheel valve.

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				Brand and model shall be got approved before fixing
80	Providing and fixing Butterfly valve Butterfly valves IS 13095 with ISI mark PN 1.0 of approved brand & following internal dia of Brass including fixing in pipe lines etc. complete. (A) 50 mm Dia	Bldg. 23.99	152	Butterfly valves IS 13095 with ISI mark PN 1.6 of approved brand shall be used instead of wheel valve. Brand and model shall be got approved before fixing
81	Providing and fixing to wall ceiling floor 10.0 Kg. F/Cm2 working pressure polythene pipes for soil waste and ventilating pipes of the following outside dia. low density, complete with necessary fittings ,wall clamps etc including making good the wall ceiling and floor. (A) 75 mm	Bldg. 23.8	144	The pipe shall be 10.0 Kg. F/Cm2 instead of 6.0 Kg. F/Cm ² working pressure polythene pipes The dia of pipe shall be 75 mm
82	Providing laying and jointing in true line and level 110 diameter U.P.V.C. SWR Type B pipe confirming to IS 13592-1992 with one end plain and other end socketed with rubbering, & fitting conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 110 mm diameter x 149 mm length x 145 mm high at every 2000 mm centre to centre or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials.	Bldg. 23.8	144	The pipe shall be 110 diameter U.P.V.C. SWR Type B pipe confirming to IS 13592-1992 with one end plain and other end socketed with rubbering, & fitting conforming to ISI 14735-1999 of approved make for drainage system instead of 6.0 Kg. F/Cm ² working pressure polythene pipes
83	Providing laying and jointing in true line and level 160 diameter U.P.V.C. SWR Type B pipe confirming to IS 13592-1992 with one end plain and other end socketed with rubbering, & fitting conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 110 mm diameter x 149 mm length x 145 mm high at	Bldg. 23.8	144	The pipe shall be 160 diameter U.P.V.C. SWR Type B pipe confirming to IS 13592-1992 with one end plain and other end socketed with rubbering, & fitting conforming to ISI 14735-1999 of

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	every 2000 mm centre to centre or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials.			approved make for drainage system instead of 6.0 Kg. F/Cm ² working pressure polythene pipes
84	Providing and fixing PVC SWR Nahni Trap IS 14735 for drain - 100 mm diameter with jali of the following nominal diameter of self cleansing design with C.I. screwed down or hinged grating including the cost of cutting and making good the walls.	Bldg. 23.87	146	The trap shall be of PVC SWR Nahni Trap IS 14735 for drain instead of C.I. Trap
85	Providing and fixing Double Bowl Kitchen Sinks With Drain Board with over all size 1180 x 480 mm & bowl size 350 x 400 x 200 and Fixing in sandwich platform including cutting holes and making goods the same, 2 Nos. C.P. pillar cock 15mm φ heavy duty swan neck, & C.P. angle stop cock 15mm φ heavy duty with cap, necessary fixtures, connections and waste pipes etc complete {FUTURA or equivalent brand}	Bldg. 23.130(C) 23.135 (A) 23.136 (A)	148 149 149	Kitchen sink shall be of approved brand Sink shall be fixed in platform. Payment shall be made on No. basis for complete item.
86	Providing and fixing wash basin (52 Dia) CP brass bottle trap with brass union and CP brass wall discharge pipe with flanges and cap, 32mm dia GI waste pipe with fittings up to floor trap, 32mm dia CP brass waste coupling with CP chain and rubber plug, 15mm dia CP brass concealed stop valve 15mm heavily quality flexible PVC inlet connection of required length with brass union, washer and CP brass cap complete in all respects with 15mm dia CP brass pillar tap including cutting and making good the walls RCC work as directed and making good the same etc. complete.	Bldg. 23.127 23.135 (A) 23.136 (A) 23.004 (A)	148 149 149 152	Washbasin shall be of brand as specified in item of work Payment shall be made on No. basis for complete item.
87	Providing and fixing Orissa Pattern W.C. Pan of 580 x 440mm-B with footrest "P" or "S" type trap 25mm dia heavy quality flush cock and 25mm GI pipe up to flush cock joint with brass unions including cutting and making good the wall / RCC complete as directed including necessary brick work / PCC etc. complete.	Bldg. 23.111 (A) (I) 23.00.1 23.120	145 152 148	The PAN and all fixtures shall be of size / dia, brand and model no. Work shall be carried out as directed by engineer in charge. Payment shall be made on No. basis for complete item.

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88	Providing and fixing wash down water closet (Wall Hung European type W. C. Pan) with integral "P" and "S" trap including jointing the trap with soil pipe in cement mortar 1:1 (1-cement, 1-sand) Vista including Providing and fixing plastic seat cover for wash down WC with CP brass hinges and rubber buffers back plastic seat and including Providing 12.50 Litres low level flushing cistern with a "P" pair of CI or MS bracket with complete fitting such as lead valve Siphon 15mm dia brass ball valve with polythene float CP brass handle, unions and couplings for connection with inlet outlet and overflow pipes 40mm dia porcelain enamelled flush bend, including jet spray operated with necessary valve including cutting holes in walls and making good the same connecting the flush bend with cistern and closet vitreous china etc. complete.	Bldg. 23.112(A)(i) 23.115. (A)(i) 23.120	146 147 148	The PAN and all fixtures shall be of size / dia, brand and model no. Work shall be carried out as directed by engineer in charge. Payment shall be made on No. basis for complete item.
89	Providing and fixing C. P. Brass screw down bib cock with flange polish bright 15mm dia Hindware plaza F-180002 C. P. Brass extension nipple 62mm long etc. complete.	Bldg. 23.92 (B)(I)	151	Brand and model shall be as shown in item of work and got approved before fixing
90	Providing and fixing DLX-517 Wall Mixer Telephone Shower Arrangement Only With Crutch (With Bush & Piston Deluxe Diverter fitting) With Aerator as directed by Engineer in charge including fixing as and where directed etc. complete.	Separate Sheet Attached		
91	Providing and fixing Towel Rack : AKP-35781P of Jaquar or equivalent Brand as directed by Engineer in charge including fixing as and where directed etc. complete.	Separate Sheet Attached		
92	Providing and fixing AKP-35721P : Towel Ring Square of Jaquar or equivalent Brand as directed by Engineer in charge including fixing as and where directed etc. complete.	Separate Sheet Attached		
93	Providing and fixing AKP-35731P Soap Dish Holder of Jaquar or equivalent Brand as directed by Engineer in charge including fixing as and where directed etc. complete.	Separate Sheet Attached		

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94	Providing and fixing AKP-35735P Soap Dispenser with Glass bottle of Jaquar or equivalent Brand as directed by Engineer in charge including fixing as and where directed etc. complete.	Separate Sheet Attached		
95	Providing and fixing AKP-35753P Toilet Paper Roll Holder with Flap of Jaquar or equivalent Brand as directed by Engineer in charge including fixing as and where directed etc. complete.	Bldg. 23.146 (A)	150	Shall be of Model No. as shown in item of work.
96	Providing and fixing C.P. Brass health faucet Hand ware Showers F-16 0013 with rubbit cleaning system 1.25 mt. long P.V.C. Flexible tubes and ABS wall hook with angular stop cock Hind ware Plazza F-18 003 with extension nipple 62 mm long etc. complete.	Separate Sheet Attached		
97	Providing erecting and fixing five layer Syntex pure or equivalent antimicrobial with active silver technology, antifungal, antibacterial, 100% UV stabilized food grade plastic with FDA approval, multi ribbed design PVC. (ISI) mark water tank of reqd capacity each with all necessary fittings & connection etc. complete on terrace.	Separate Sheet Attached		
98	Providing and fixing 600 mm x 450 mm bevelled edge mirror of superior glass mounted on 6 mm thick A.C sheet or plywood sheet or PVC framing and fixed to wooden plugs with C.P brass screw and washers.	Bldg. 23.143	150	Mirror shall be as specified in item of work
99	Providing and fixing C.P. brass towel rail complete with C.P. brass brackets fixed to wooden plugs with C. P. Brass screws (B) 600 mm X 20mm size	Bldg. 23.143	150	Mirror shall be as specified in item of work
100	Providing and fixing C.P. brass viewing eye with brass frame and fixing in door shutter not exceeding 0.1 Sq.Mt. rectangular or square type as directed.	Bldg. 23.144 (B)	150	
101	Providing and fixing S.W. Gully trap with C.I. Grating brick masonary chamber and water tight C.I. Cover with frame of 300 mm. X 300 size (inside) with standard weight (I) Square mouth traps (C) 150 mm. X 100 mm size P or R type	Bldg. 24.19 (I)	156	

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102	Constructing brick masonry chamber for under ground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35 Kg/cm ² in cm. 1:5 C.I. Cover with frame (light duty) 455 mm. X 610 mm. Internal dimensions, total weight of cover with frame to be not less than 38 Kgs. weight of cover 23 Kg. and wt. 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. size) foundation concrete 1:5:10 inside plaster 15 mm. thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls & bed concrete etc. complete. (I) inside dimensions, 455 mm. x 610 mm. And 450 mm. Deep for single pipe line.	Bldg. 24.44 (i)	163	
103	Constructing brick masonry chamber for under ground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35 Kg/cm ² in cm. 1:5 C.I. Cover with frame (light duty) 455 mm. X 610 mm. Internal dimensions, total weight of cover with frame to be not less than 38 Kgs. weight of cover 23 Kg. and wt. 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. size) foundation concrete 1:5:10 inside plaster 15 mm. thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls & bed concrete etc. complete. (II) inside dimensions, 500 mm. x 700 mm. And 450 mm. deep for pipe line with one or two inlets.	Bldg. 24.44 (ii)	163	
104	Constructing Manhole with R.C.C. top slab in 1:2:4 mix (1-cement :2-coarse sand : 4-graded stone aggregate 20mm nominal size) foundation concrete 1:3:6 mix (1-cement : 3- coarse sand :6-Brick bats 40 + 50mm size) inside plastering 15mm thick with Cement Mortar 1:5 (1-Cement : 5-coarse sand) finished with a floating coat of neat cement and making channels in cement concrete 1:2:4 mix (1-Cement :2-Coarse sand :4-stone aggregate 20mm nominal size) finished smooth complete including	Bldg. 24.27 (I)	157	

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	curing and finishing (i) Inside size 900mm x 1200mm and 1.5M. deep including C.I. cover with frame size 560mm diameter total weight of cover and frame to be not less than 128 kgs. (Wt. of cover 64 Kg. and Wt. of frame 64 Kg.)(A) With 230mm thick walls of brick masonry using brick having crushing strength not less than 35Kg. / Sq.cm. in Cement Mortar 1:5 (1- Cement: 5-Coarse sand) (1) A type depth 0.90 Metre for 150mm diameter sewer.			
105	Providing laying (to level or slopes) and jointing reinforced concrete Light duty non-pressure pipes I.S. class NP2 of the following internal diameter with collars and butt ends prepared for collar joints including testing of joints complete. (B) 150 mm	Bldg. 24.22 (B)	156	
106	Providing throating or plaster drip and moulding to R.C.C. Chhajja.	Bldg. 5.4.18	31	
107	Providing and fixing C.I. Manhole cover 0.60m x 0.45m size having weight not less than 35 kgs.	Bldg. 22.00.6	153	
108	Providing and fixing PVC Cowl vent of following dia etc complete as directed (B) 160 mm Dia	Separate Sheet Attached		
109	Providing and fixing stainless steel / Aluminium pipe approved pattern and size for windows curtain including fixing in line and level as directed by Engineer in charge.	Separate Sheet Attached		
110	Providing and fixing Decorative stainless steel Brackets approved pattern and size for windows curtain including fixing in line and level as directed by Engineer in charge.	Separate Sheet Attached		
111	Steel work welded in built up sections, framed work including cutting, hoisting, fixing in position and applying a priming coat of red lead paint and two coats of matt finished oil painting etc complete. :- (B) In trusses and trussed purlins upto 25 m. span and 15 m. overall height.	Bldg. 11.4 (D) 19.12 19.7	70 121 122	Fabrication shall be carried out as per detailed drawing.

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112	Constructing Sandwich Platform of 18 mm thick Polished Black Granite at top and 30 mm thick Kota stone slab flooring fitting at bottom with cementing Materials / adhesives including making necessary grooves in walls with Vertical Kotastone 30 mm x 2 No sandwich thick every 60 cm centre to centre including all labour material of approved quality incl. full moulded round front edge fixed in wall for partition and jointed with grey cement slurry including rubbing and polishing etc. complete	Separate Sheet Attached		
113	Providing and laying Both side mirror polished Granite stone slab 18 mm (Average) thick of approved quality incl. full moulded round front edge fixed in wall for partition and jointed with grey cement slurry including rubbing and polishing etc. complete	Separate Sheet Attached		
114	Providing and fixing CUPBOARD shutters using 19 mm thick waterproof (ISI 710) and fixing 0.8 mm thick decorative lamination sheet 20 mm x 2 mm T.W. facing batten and T.W. frame having a size 7 cm x 4 cm using necessary fixtures, fastening, nails, fevicol, ball catch, magnet and inner side of cupboard oil painting two coats with primer coat etc. complete as per detailed drawing.	Separate Sheet Attached		
115	Providing and fixing drawer type kitchen basket cup board using T.W. Frame having size 5 cm x 3.2 cm and using 19 mm thick water proofing plywood ISI 710, 0.8 mm thick laminated sheet SS Telescopic 550 mm SSF channel { Hattich or equivalent brand} brass, SS fixtures and fastening handles as approved quality including using necessary screws, fevicol, T.W. batten facing 20 mm x 6 mm patti for plywood including fixing SS {304} basket of 17" x 20" { 3 square, Evershine or equivalent brand} (1) For Plain multy purpose 100mm, (2) Plain Multi purpose 150 mm, (3) Cup saucer 100mm, (4) Partition 100 mm, (5) Partition 150 mm, (6) Cutlery 100 mm, (7) Plate 150 mm (8) Thali 200 mm (9) Vegetable Plain 150 mm (10) Bottle Basket 150 mm (11) Pull out 150 mm including	Separate Sheet Attached		

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	fixing SS Telescopic channel as per approved quality and given detailed drawing				
116	Pro. And fixing single layer water proof gypsum board 12.5 mm thick sections using water proof board of size 1220 mm x 1830 mm x 8.0 mm suspended by GI suspender channel of size 25 mm x 3 mm with intermediate channel of size 18 mm x 40 mm x 0.8 mm at 1220 mm centre to centre ceiling section of size 40 mm x 35 mm x 0.55 mm at 457 mm c/c and perimeter channel A of size 20 mm x 27 mm x 30 mm x 0.5 mm at edges & drops incl. paper tap sand soffit cleat, anchor fastener, scotch bolt connecting cleat, joining compound top coat on ceiling incl. making necy. opening for light fitting, diffuser etc. comp. as per detail drawing as directed	Separate Sheet Attached			
117	Providing and fixing NAME PLATE of Mirror polished Granite stone by engraving and painting letter with golden colour and fixing with decorative patta pattern as directed by engineer in charge	Separate Sheet Attached			
118	Providing and fixing M.S. Gates / Grill of required pattern to brick walls / Columns prepared with M.S. flats 50 x 6mm, and 50 x 50 x 3 mm Square pipes, at required spacings with necessary hold fasts as per detailed drawing and fixing brick walls / coping / columns etc. complete including painting two coat & applying primer coat. (A) Ornamental Grill	Bldg.	10.100 (B) 19.12 19.7	66 121 122	Payment shall be made on Kg. basis of complete item. Fabrication shall be carried out as per detailed drawing.
119	Constructing cattle trap made from ISMC 100 border and G.I. pipe 50 mm dia HEAVY DUTY at 12 cm spcaing by welding and for support 2 Nos I.S.M.C. 100 x 75 x 6 section Fixing in prepared chamber as per drawing by necessary arrangement etc. complete.	Bldg	11.4 (D)	70	The fabrication shall be carried out as per detailed drawing.
120	Providing and fixing RAZOR Coil with Blade 16MM, Clips per Spiral-5, Hot Dipped Galvanized 200 GSM, Tape Thickness 0.50 MM, GI Spring Core Wire 2.60MM Thick {avg weight 9.50 Kg / 6 mt}, and 5 Rows of galvanised steel barbed wire weighing 9.38 Kg. per 100 Metre in M.S.	Bldg.	22.20	135	The work shall be carried out using RAZOR Coil with Blade 16MM, Clips per Spiral-5, Hot Dipped Galvanized 200 GSM, Tape

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	Angle posts 45 mm. X 45 mm. X 6 mm. and oil painting 3 coats fixed at 3.0 mt. C/C strained and fixed to posts with G.I. staples, including fixing posts in compound wall			Thickness 0.50 MM, GI Spring Core Wire 2.60MM Thick {avg weight 9.50 Kg / 6 mt}, and barbed wire. The supports shall be fixed in compound wall
121	Box cutting the road surface to proper slope and camber for making a base of road work including removing the excavated stuff and depositing on the road side slope as directed.	Separate Sheet Attached		
122	Providing and laying W.B.M. of B.T.M.C. metal of size 45 mm to 63 mm size including 20% Grit {Stone screening} & stone dust as filler including spreading, watering & consolidation by vibratory roller 80KN to 100KN static weight.	Separate Sheet Attached		
123	Providing and laying Controlled cement concrete M 250 for C. C. Road / wearing coat with polyester fibre (12mm) with triangular of equivalent cross section with specific gravity 1.35 to 1.40 (as a secondary reinforcement) in concrete of any grade at the rate of 125 gms per 50 kg of Cement consumption. and curing including cost of formwork, compaction and finishing of cement concrete road by trimix vacuum dewatering process on cement concrete road surface by using vacuum dewatering pump, surface floater, surface vibrator including channelling and making grooves and rough finish to surface by Providing expansion joints, construction joints and filling of joints with asphalt filler as directed by Engineer In Charge and as per specification .	Separate Sheet Attached		
124	Providing corrugated PPGL Sheets 0.62 mm thick / 1.5 mm thick Transparent Acrylic Sheet (70%/30%) roofing fixed with Galvanized iron 'J' or 'L' hooks bolts and nuts 8 m. diameter with bitumen and G. I. Limpet washers filled with white lead complete including ridges, gutters etc. excluding the cost of purlins, rafters and trusses.	Bldg. 15.1	91	Roofing shall be carried out using PPGL sheet and Transparent Acrylic Sheet as shown in item of work

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				Payment shall be made on Sq.Mt. basis for complete item
125	Painting lines, dashes, arrows, letters, etc. on roads, air fields and like in two coats with road marking paint Brushing including cleaning the surface of all dirt, dust and other foreign matter. (I) Over 10 cm. in width	Bldg. 19.126 (I)	128	
126	Lawn Grass:- Filling the area upto the depth of 23 cm. with good quality of field fertile soil, breaking the clods levelling the area, free from stone, grass roots etc. and farm yard manure at the rate of 5 cu.mt. per 100 sq. mt. mixing the same with layer of soil, leveling rolling, pre-planting, watering etc and planting the lawn grass of approved variety at 10 x 10 cm. distance etc complete as per detail specification and maintenance for 3 months.	Separate Sheet Attached		
127	Providing 6.0 Kg f/cm ² working pressure polyethylene pipes of the following outside dia. Low density, complete with special flange compression type fittings wall clamps etc. including making good the wall, ceiling and floor including Lowering, laying in TRENCHES and jointing PVC pipes and specials of following class and diameter including cost of conveyance (i) 110 mm	Bldg. 23.4	142	The pipe shall be PVC pipe instead of G.I. pipe
128	Providing 6.0 Kg f/cm ² working pressure polyethylene pipes of the following outside dia. Low density, complete with special flange compression type fittings wall clamps etc. including making good the wall, ceiling and floor. including Lowering, laying in TRENCHES and jointing PVC pipes and specials of following class and diameter including cost of conveyance (i) 160 mm	Bldg. 23.4	142	The pipe shall be PVC pipe instead of G.I. pipe
129	Providing and Construction of Junction chambers of size 0.35 x 0.35 x 0.60 mt. with Foundation Concrete in CM 1:2:4 10 Cm thick, Half Brick Masonary wall in CM 1:4, 50 mm thick Flooring in CC 1:2:4 Inside Plaster	Separate Sheet Attached		

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	15 mm thick in C.M. 1:4 including connecting of rainwater pipe as per detailed drawing and as directed by Engineer in charge			
130	Providing and constructing filter chamber of size 2.06 x 1.21 x 1.20 mt. with Foundation Concrete in CM 1:2:4 12.5 Cm thick, 23 cm thick Brick masonry in CM 1:6, Half Brick Masonary Partition wall in CM 1:4, Inside Plaster 15 mm thick in C.M. 1:4 and cover slab 10 cm thick in CM 1:2:4 with necessary reinforcement and Filling 30 cm with 25 to 40 mm size Kapachi and Coarse sand for 90 cm as directed including connection rainwater pipes as per detailed as directed by Engineer in charge including cost of labour and material.	Separate Sheet Attached		
131	Providing water harvesting pit of 2.00 mt x 2.00mt x 4.00 mt. size for water logging with excavation in any strata upto four meter depth, filling the pit with B. T. Metal 40 mm in 0.60 mt. depth with 25-40mm kapachi, 0.30 mt. depth and 2.0 mt. depth with coarse sand in layers including making P.V.C. line for water inlet etc. as directed with 250mm dia bore 35 mt. depth and 150mm dia P.V.C. pipe of 10 Kg. f/Cm2 casing with gravel packing or as directed.	Separate Sheet Attached		
132 to 190	Electrification work	Separate Sheet Attached		

Signature of contractor

Executive Engineer
R. & B. Division
Vav-Tharad