

Sr.	Description	ROUND OFF QTY.	Unit	Rate		Amount
				In words	In fig	
1	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.	8.00	No.			
2	Providing and fixing toilet paper holder : C.P. brass	8.00	No.			
3	Providing and fixing Two way BIB cock with wall flange of genuine Jaquar ompany brand, in with model no FUS-CHR29041, water tap brand or approved ISI brand quality, fixing in pieline and testing the same... etc., complete., as directed by EIC	8.00	No.			
4	Providing and fixing Health Faucet hand shower heavy duty with SS braided hose 1.2 MT long pipe to water closet - JAQUAR ALD-CHR-573	8.00	No.			
5	Providing and fixing white vitreous china battery based infrared sensor operated urinal of approx. size 610 x 390 x 370 mm having pre & post flushing with water (250 ml & 500 ml consumption), having water inlet from back side, including fixing to wall with suitable brackets all as per manufacturers specification and direction of Engineer-in-charge.	4.00	No.			
6	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: White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	6.00	No.			
7	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 250 mm	2.00	No.			
8	Providing and fixing SS Pillar cock with extention body like JAQUAR FUS-CHR-29021N	2.00	No.			
9	Providing and fixing CP Brass 32mm size Bottle Trap of approved quality & make and as per the direction of Engineer-in-charge.	6.00	No.			
10	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.	6.00	Rmt.			
11	Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms.	6.00	No.			

<b>12</b>	<p>Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.</p> <p>450 mm long towel rail with total length of 495 mm, 78 mm wide and effective height of 88 mm, weighing not</p>	<b>4.00</b>	<b>No.</b>			
<b>13</b>	<p>Providing and fixing Polyethylene-Aluminium-Polyethylene (PE-ALPE) Composite Pressure Pipes conforming to IS - 15450, U.V. stabilized with carbon black having thermal stability for hot &amp; cold water supply, capable to withstand temperature up to 80°C, including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers &amp; connectors etc., with clamps at 1.00 metre spacing. This includes the costs of cutting chases and including testing of joints complete as per direction of the engineer in charge.</p> <p>CONCEALED WORK, including cutting chases and making good the wall etc.</p> <p>1216 (16 mm OD) pipe</p>	<b>105.00</b>	<b>Rmt.</b>			
<b>14</b>	<p>Providing and fixing Polyethylene-Aluminium-Polyethylene (PE-ALPE) Composite Pressure Pipes conforming to IS - 15450, U.V. stabilized with carbon black having thermal stability for hot &amp; cold water supply, capable to withstand temperature up to 80°C, including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers &amp; connectors etc., with clamps at 1.00 metre spacing. This includes the costs of cutting chases and including testing of joints complete as per direction of the engineer in charge.</p> <p>CONCEALED WORK, including cutting chases and making good the wall etc.</p> <p>1620 (20 mm OD) pipe</p>	<b>22.00</b>	<b>Rmt.</b>			
<b>15</b>	<p>Providing and fixing Polyethylene-Aluminium-Polyethylene (PE-ALPE) Composite Pressure Pipes conforming to IS - 15450, U.V. stabilized with carbon black having thermal stability for hot &amp; cold water supply, capable to withstand temperature up to 80°C, including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers &amp; connectors etc., with clamps at 1.00 metre spacing. This includes the costs of cutting chases and including testing of joints complete as per direction of the engineer in charge.</p> <p>CONCEALED WORK, including cutting chases and making good the wall etc.</p> <p>2025 (25 mm OD) pipe</p>	<b>12.00</b>	<b>Rmt.</b>			

16	<p>Providing and fixing Polyethelene-Aluminium-Polyethelene (PE-ALPE) Composite Pressure Pipes conforming to IS - 15450, U.V. stabilized with carbon black having thermal stability for hot &amp; cold water supply, capable to withstand temperature up to 80°C, including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers &amp; connectors etc., with clamps at 1.00 metre spacing. This includes the costs of cutting chases and including testing of joints complete as per direction of the engineer in charge.</p> <p>CONCEALED WORK, including cutting chases and making good the wall etc.</p> <p>2532 (32 mm OD) pipe</p>	20.00	Rmt.			
17	<p>Providing and fixing Polyethelene-Aluminium-Polyethelene (PE-AL-PE) Composite Pressure Pipes conforming to IS - 15450, U.V. stabilized with carbon black having thermal stability for hot &amp; cold water supply, capable to withstand temperature up to 80°C, including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers &amp; connectors etc., with trenching, refilling and testing of joints complete as per direction of the engineer in charge.</p> <p>External work</p> <p>1216 (16 mm OD) pipe</p>	5.00	Rmt.			
18	<p>Providing and fixing Polyethelene-Aluminium-Polyethelene (PE-AL-PE) Composite Pressure Pipes conforming to IS - 15450, U.V. stabilized with carbon black having thermal stability for hot &amp; cold water supply, capable to withstand temperature up to 80°C, including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers &amp; connectors etc., with trenching, refilling and testing of joints complete as per direction of the engineer in charge.</p> <p>External work</p> <p>1620 (20 mm OD ) pipe</p>	28.00	Rmt.			
19	<p>Providing and fixing Polyethelene-Aluminium-Polyethelene (PE-AL-PE) Composite Pressure Pipes conforming to IS - 15450, U.V. stabilized with carbon black having thermal stability for hot &amp; cold water supply, capable to withstand temperature up to 80°C, including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers &amp; connectors etc., with trenching, refilling and testing of joints complete as per direction of the engineer in charge.</p> <p>External work</p> <p>2025 (25 mm OD ) pipe</p>	125.00	Rmt.			

20	<p>Providing and fixing Polyethylene-Aluminium-Polyethylene (PE-AL-PE) Composite Pressure Pipes conforming to IS - 15450, U.V. stabilized with carbon black having thermal stability for hot &amp; cold water supply, capable to withstand temperature up to 80°C, including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers &amp; connectors etc., with trenching, refilling and testing of joints complete as per direction of the engineer in charge.</p> <p>External work 2532 (32 mm OD ) pipe</p>	115.00	Rmt.			
21	<p>Providing and fixing Polyethylene-Aluminium-Polyethylene (PE-AL-PE) Composite Pressure Pipes conforming to IS - 15450, U.V. stabilized with carbon black having thermal stability for hot &amp; cold water supply, capable to withstand temperature up to 80°C, including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers &amp; connectors etc., with trenching, refilling and testing of joints complete as per direction of the engineer in charge.</p> <p>External work 3240 (40 mm OD ) pipe</p>	35.00	Rmt.			
22	<p>Providing and fixing Polyethylene-Aluminium-Polyethylene (PE-AL-PE) Composite Pressure Pipes conforming to IS - 15450, U.V. stabilized with carbon black having thermal stability for hot &amp; cold water supply, capable to withstand temperature up to 80°C, including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers &amp; connectors etc., with trenching, refilling and testing of joints complete as per direction of the engineer in charge.</p> <p>External work 4050 (50 mm OD ) pipe</p>	105.00	Rmt.			
23	<p>Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot &amp; cold water supply, including all CPVC plain &amp; brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes &amp; 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.</p> <p>15 mm nominal outer dia Pipes</p>	25.00	Rmt.			
24	<p>Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 15 mm nominal bore</p>	3.00	No.			
25	<p>Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 20 mm nominal bore</p>	3.00	No.			
26	<p>Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore</p>	4.00	No.			
27	<p>Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 32 mm nominal bore.</p>	10.00	No.			

28	Providing and fixing gun metal non- return valve of approved quality (screwed end) : 40 mm nominal bore 18.19.3.1 Horizontal	3.00	No.			
29	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end): 50 mm nominal bore	3.00	No.			
30	Providing and fixing gun metal non- return valve of approved quality (screwed end) : 50 mm nominal bore 18.19.4.1 Horizontal	2.00	No.			
31	Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet : 150 mm diameter	4.00	No.			
32	Providing and fixing Shower Arm Casted 160mm Long Light Body Round Shape for Wall Mounted Showers with Flange JAQUAR SHA-477 & Wall Mixer 3-in-1 System with Provision for both Hand Shower and Overhead Shower Complete with 115mm Long Bend Pipe, Connecting Legs & Wall Flange (without Hand & Overhead Shower) JAQUAR QQP-7281PM, Towel Rack 600mm Long without Hangers, Stainless Steel JAQUAR ACN-1181FS approved ISI brand quality, fixing in pipeline and testing the same... etc., complete., as directed by EIC etc.	4.00	No.			
33	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. rectangular tank	6000.00	Lit.			
34	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 15mm nominal bore	16.00	No.			
35	Providing and fixing in position cowel went to pipes.(B) 75mm dia.	2.00	No.			
36	Providing and fixing in position cowel went to pipes.(C) 100mm dia	8.00	No.			
37	Providing, laying and jointing in true line and level 110 diametre U.P.V.C (Type B) conforming to IS 13592-1992 with one end plain and other end socketed with rubber ring, & fittings 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 diametre x 149 mm length x 145 mm heigh at every 2000 mm center to center 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.	140.00	Rmt.			
38	Providing and fixing PVC SWR pipes IS 13592 for Drain - 75 mm dia.	5.00	Rmt.			
39	Providing laying and jointing PVC SWR pipes IS 13592 for Drain - 50 mmdia it's accessories.	15.00	Rmt.			
40	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 scread down or hinged grating including the cost of cutting and making good the walls.	4.00	No.			
41	Providing and fixing PVC SWR P- Trap IS 14735 for Drain -110x110	17.00	No.			

42	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.	5.00	No.			
43	Constructing brick masonry road gully chamber 50x45x60 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm pre-cast R.C.C. horizontal grating with frame complete as per standard design : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	5.00	No.			
44	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating 100x100 mm size P type With common burnt clay F.P.S. (non modular) bricks of class designation 7.5.	5.00	No.			
45	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 : 100 mm dia. R.C.C. pipe	24.00	Rmt.			
46	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 : 150 mm dia. R.C.C. pipe	76.00	Rmt.			
47	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	7.00	No.			
48	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	1.50	Rmt.			
49	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	6.00	No.			

<b>50</b>	Extra for depth for manholes : Size 90x80 cm With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	<b>3.00</b>	<b>Rmt.</b>			
<b>51</b>	Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS : 10910, on 12 mm dia steel bar conforming to IS: 1786, having minimum cross section as 23 mmx25 mm and over all minimum length 263 mm and width as 165 mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15 cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) complete as per design.	<b>40.00</b>	<b>No.</b>			