

ANNEXURE 1B

PLUMBING BOQ

Project : - GTL Sitapura, Jaipur

S. No.	Description	Unit	Qty	Rate (Rs)	Amount (Rs.)
Sanitaryware					
1	Providing & Fixing of white vitreous china wall mounted European water closet including Providing & Fixing & fixing CP bolts, nuts, fisher / anchor bolt are required for hangong of WC, nuts, supporting arrangements, bakelite/poly propylene seat & cover with CP hinges & rubber buffers, WC pan connector (straight /offset type Macfit single body push fit type WC pan connector with factory supplied spring loaded seal guard of McAlpine, UK with integral single mould sealing fins made of flexible EVA body, including bush/adaptor for use with C.I. Pipe as supplied with the pan connector) complete with all accessories. Including cutting & making good the walls & floors wherever required.	Each	3	.00	
2	Providing & Fixing of ABS Health Faucet (complete with hook and flexible tube min. Length 1.0 m) as required complete in all respect.	Each	3	.00	
3	Providing & Fixing of concealed type cistern comprising of actuator button facia assembly including kombifix -designer line Tool free series (chair bracket ,drainage pipe & wall mounting framing) brass / SS screws and washer complete, cutting and making good the walls floors wherever required	Each	3	.00	
4	Providing & Fixing of star white colour vitreous china below / over counter Oval Wash Basin / circular basin (Size 560 x 410 mm or as/architectural detail drawing) with CP brass waste assembly complete including CI / MS brackets duly painted, cutting and making good the walls floors wherever required.	Each	3	.00	
5	Providing & Fixing CP brass bottle trap with wall connection pipe for wash basins. 32 mm dia	Each	3	.00	
6	Providing & Fixing of CP brass bottle trap with wall connection pipe for urinals. 40 mm dia	Each	2	.00	
7	Providing & Fixing of 6 mm thick bevelled edge plate glass mirror of approved quality with 6 mm thick marine ply backing fixed to wooden cleats with CP brass screws and washers.	Sqm	3	.00	
8	Providing & Fixing of C.P. brass towel ring with C.P. brass wall brackets & C.P brass screws complete in all respect.	Each	3	.00	
9	Providing & Fixing of 600x20mm size CP brass towel rail with CP brackets fixed to wooden cleats, PVC rawl plug with CP brass screws etc. including cutting and making good the wall wherever required.	Each	3	.00	
10	Providing & Fixing of C.P. brass liquid soap container with C.P. brass lid and brackets fixed to wall with wooden cleats and C.P. brass screws, including cutting and making good the walls wherever required complete in all respect.	Each	3	.00	
11	Providing & Fixing of recessed type stainless steel toilet paper holder of approved makes. Including cutting hole in the masonry/R.C.C wall and making good with cement mortar. Size 150 mm x 150 mm	Each	3	.00	
12	Providing & Fixing of satin finish stainless steel AISI 316 grade wall mounted coat hooks/peg rag (make dline or equivalent) on door complete (Twin coat hook/peg rag shall be supplied free of cost by the Owner)	Each	3	.00	
13	Providing & Fixing of stainless steel kitchen sink as per I.S.13983 with C.I brackets and stainless steel plug 40mm including painting of fittings and brackets, cutting and making good the walls wherever required complete in all respect. Kitchen sink with drain board 510 x 1040 bowl depth 200 mm	Each	1	.00	
14	Providing & Fixing of C.P. brass single hole sink mixer with CP wall flange, swinging spout complete as required and making good. 15 mm nominal dia.	Each	1	.00	

S. No.	Description	Unit	Qty	Rate (Rs)	Amount (Rs.)
15	Providing & Fixing of chrome plated brass battery based infrared sensor operated pillar cock, having foam flow technology.				
	15 mm nominal bore	Each	3	.00	
16	Providing & Fixing of Aerosol Perfume Dispenser fixed to wall /door with wooden cleats and C.P brass screws including cutting and making good the walls wherever required complete in all respect.	Each	3	.00	
17	Providing & Fixing of position storage type automatic electric water heater pressure/ non pressure type thermostatically controlled, single phase, vertical wall mounted of approved make (to the approval of Engineer-in-charge) with thermostats, inner container of stainless steel complete with 1 Mtr three core flexible cord with plug, non return valve and pressure release valve complete including fixing and testing complete in all respect.				
	8-12 litre capacity water heater	Each	RO	.00	
18	Providing & Fixing of C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.				
	15 mm nominal bore	Each	RO	.00	
19	Providing & Fixing of C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931.				
	15 mm nominal bore	Each	15	.00	
Water Supply Work					
20	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) SDR-11 pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.				
Internal work - Exposed on wall					
	15 mm dia nominal bore	Mtr	RO	.00	
	20 mm dia nominal bore	Mtr	15	.00	
	25 mm dia nominal bore	Mtr	15	.00	
	32 mm dia nominal bore	Mtr	RO	.00	
21	Providing and fixing, testing and commissioning of chlorinated polyvinly chloride (CPVC) CTS SDR 11 hot & cold water pipes conforming to IS capable to withstand 27.6 kg/cm ² at room tempreature water and 7.03 kg/cm ² at 82°C and all fittings of CPVC SDR 11 like elbow, tee, reducers, couplers, brass threated male & female (adapoters, elbow, tees) and pipe clamps at 1.00 m spacing. The pipe fitting joining to be done with solvent cement as per manufacturers specifications & recommendations. This includes testing of joints complete as per direction of Engineer-Incharge.				
Concealed work, including cutting chases and making good the walls etc.					
	15 mm dia nominal bore	Mtr	20	.00	
	20 mm dia nominal bore	Mtr	15	.00	
22	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings, this included jointing of pipes & fittings with one step CPVC solvent cement , trenching refilling & testing of joints complete as per direction of Engineer in Charge. (External work).				
External Work					
	32 mm dia nominal bore	Mtr	20	.00	
	40 mm dia nominal bore	Mtr	RO	.00	
23	Providing & fixing full way lever operated forged brass ball valve of brass body with forged brass hard chrome plated steel ball tested to a pressure not less than 10 Kg / sqcm with threaded / flanged joints complete with nuts, bolts, gaskets, washers etc.				
	15 mm dia.	Each	RO	.00	
	20 mm dia.	Each	3	.00	
	25 mm dia.	Each	1	.00	
	32 mm dia.	Each	RO	.00	

S. No.	Description	Unit	Qty	Rate (Rs)	Amount (Rs.)
24	Providing and fixing, testing and commissioning of pressure regulating valve (PRV) with pressure gauge for water supply line. PRV is tested to a pressure not less than 25.0 kg/cm ² and suitable to reduce the pressure as desired, including flanges/unions, nuts, bolts and washers complete as required for application.				
	15 mm dia.	Each	RO	.00	
	20 mm dia.	Each	RO	.00	
	25 mm dia.	Each	RO	.00	
	Drainage Work				
25	Providing, fixing & testing uPVC SWR pipes conforming to IS 13592 (Type B) alongwith all required fittings such as bends, clamps, tees, cowls, clean out plugs, crosses with or without access doors jointed with approved solvent cement as per manufacturer's recommendations, fixed to walls and ceilings with clamps complete including cutting and making good the floors and walls where required complete of outer diameter. (price to be inclusive of fire rated UPVC wherever crossing from one room to another room occurs.)				
	75 mm diameter	Mtr	15	.00	
	110 mm diameter	Mtr	50	.00	
	160 mm diameter	Mtr	RO	.00	
26	Providing, fixing and testing of uPVC SWR P or S trap including jointing with solvent cement and making good the walls, floors etc., complete of nominal size.				
	110x 75mm	Each	2	.00	
	110x 110mm	Each	3	.00	
27	Providing, fixing and testing of uPVC SWR Nahani trap including jointing with solvent cement and making good the walls, floors etc., complete of nominal size.				
	110x 75mm	Each	5	.00	
	110x 110mm	Each	1	.00	
28	Providing and laying cement concrete 1:2:4 mix (1 cement :2 coarse sand :4 graded stone aggregate, 20 mm down gauge) 75 mm in bed and all around CI soil and waste pipes under floor, including shuttering and centering for: -				
	75 mm dia	Mtr	RO	.00	
	100 mm dia (As per required Only)	Mtr	10	.00	
	150 mm dia	Mtr	RO	.00	
29	Providing and fixing Heavy Class SS grating with Cockroach proof SS strainer of approved design including setting in floor with cement motor to match with floor finish as per architect requirement suitable for waster and FT.	Each	1	.00	
30	Constructing masonry chamber with 75 class designation brick work in cement mortar 1:5 (1 cement :5 fine sand) for valves cement conc. top slab 1:2:4 (1 cement :2 coarse sand :4 graded stone aggregate 20 mm nominal size) necessary excavation, foundation conc. 1:5:10 (1 cement :5 fine sand :10 graded stone aggregate 40 mm nominal size) & inside plastering with cement mortar 1:3 (1 cement :3 coarse sand) 12 mm thick finished with a floating coat of neat cement complete as per standard design:				
i	300x300x450 mm size (inside) chamber with C.I. cover (lockable) size 250x250 mm (inside) with CI frame fixed in cement conc. Slab.	Each	RO	.00	
ii	450x450x600 mm size (inside) chamber with C.I. lockable 300 x 300 mm (inside) with C.I. frame fixed in cement conc. slab.	Each	2	.00	
iii	600x600x750mm size chamber with C.I. cover (lockable) size 300x300 mm inside with C.I. frame fixed in cement conc. slab.	Each	RO	.00	
31	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	Each	2	.00	
32	Sump Pumps				

S. No.	Description	Unit	Qty	Rate (Rs)	Amount (Rs.)
	Supplying, installing, testing and commissioning of submersible type mud pumps with Cable plug connection, Efficient grinder system, SmartTrim impeller adjustment, Unique clamp connection, Unique cartridge shaft seal, Modular design, Heavy-duty ball bearings and suitable for 415 ± 10% Volts, 3 phase/230 ±10% volts 50 Hz A.C. power supply. Each pump shall suitable for automatic/manual operation complete with control panel as per specification.				
	(2 Nos. 1 W + 1 S)				
	Flow rate = 2.0 LPS				
	Head = 12 Mtrs.				
	Solid Handling = 28-32 mm	Set	1	.00	
	Total				