

BoQ FOR CIVIL WORKS FOR SEWER TREATMENT PLANT AND MISCELLANEOUS ITEMS

SL.NO	ITEM NO	ITEM DESCRIPTIONS	QUANTITY	UNIT	RATE IN FIGURES (Nu.)	RATE IN WORDS	AMOUNT (Nu.)
CIVIL ESTIMATES							
COSTRUCTION OF PSTP TANK							
1	EW0030	Earth work in excavation over areas,depth >300mm, width >1.5m, area >10 Sq.m on plan, including disposal of excavated earth within 50m lead and 1.5m lift & disposed soil to be neatly dressed - Ordinary Soil	554.9	cu.m			
2	EW0195	Filling of trenches, sides of foundations etc. in layers <200mm using selected excavated material of crush rocks btw 4.5mm to 12.5mm gravels/grits, ramming etc. within lead 50 m	373.4	cu.m			
3	CW0005	Providing and laying in position plain cement concrete excluding the cost of centering and shuttering - All work upto plinth level.	27.06	cu.m			
4	A/R	Constructing Brick masonry manhole in cement mortar 1:5, R.C.C top slab with 1:2:4 20mm aggregates, 12mm plaster in CM 1:3 finished with floating coat of neat cement and making channels in cement concrete 1:2:4 20mm aggregates, neatly finished complete - Inside dimension 1000 x 1000mm & 900mm deep including C.I. cover & frame weight >116 kg)	7	each			
5	A/R	Extra for additional depth of manholes - 1000 x 1000mm	4.9	m			
CONSTRUCTION OF RCC BLOCKS							
6	RC0002	Providing & laying R.C.C 1:1.5:3, 20mm aggregate excluding the cost of formwork and reinforcement at upto plinth level- 1:1.5:3 (1 cement : 1.5 sand : 3 graded crushed rock 20 mm nominal size)	0.31	cu.m			
7	RC0083	Providing & fixing cold twisted deformed bar (Fe-500MPa) from approved list of supplier, including straightening, cutting, bending, tying, lap/butt welding, placing, binding with GI binding wire 18 SWG complete as per drawings, specifications and directions of Engineer at all heights	63.22	Kg			

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8	RC0090	Providing & fixing centering and shuttering (formwork), including strutting, propping etc. and removal of formwork - Foundation and plinth etc.	15.6	sq.m			
CONSTRUCTION OF BLOWER ROOM							
9	BW0002	Providing & laying Second-Class Brick work in Foundation & Plinth - In cement mortar 1:4	10.45	cu.m			
10	DR0001	Providing and laying 50mm thick Plinth Protection and grouted with fine sand mix including well rammed, finishing the top smooth - With cement concrete 1:3:6, 20mm aggregates, laid over 75mm thick layer of compacted gravel (40mm)	48.9	sq.m			
11	WW0001	Providing & fixing in position dressed wood work in frames of doors, windows, clerestory windows and other frames, wrought and framed - Blue pine	0.05	cu.m			
12	WW00346	Providing & fixing Flush Door shutters (pre-fabricated), block-board core with commercial ply veneer - 30mm	1.78	sq.m			
13	WW0536	Providing & fixing M.S tower bolt (barrel type) with necessary screws etc. complete - 150mm	1	each			
14	WW0546	Providing & fixing M.S. sliding door bolt, bright finished, enamelled with necessary screws etc. complete - 250mm	1	each			
15	WW0556	Providing & fixing M.S. handle with necessary screws etc. complete - 125mm	2	each			
16	PL0021	Cement Plaster - Providing & laying 12mm cement plaster - C.M 1:4	104.58	sq.m			
17	PT0042	Painting Items - Acrylic washable distemper, two coats on new work, including cement primer coat	104.58	sq.m			
18	WW0718	uPVC Window (without wire mesh) - Providing, fixing and installation of 2- track, UPVC sliding windows including 5mm clear glass with hardware fittings - EPDM gaskets, U groove roller, Aluminium track, Fastner nut, interlock, touch lock and wool pile, complete. - Plain white window	2.33	sq.m			
19	WW0061	Providing & fixing roof framing, in trusses, purlins, rafters, posts, post plates including hoisting, etc. (excluding steel items) - Blue Pine	1.41	cu.m			

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20	SW0011	Steel work riveted or bolted, in built up sections, trusses, frame-works, including cutting, hoisting, fixing and appl. priming coat of red lead paint - In Tees, angles, flats and channels	62	Kg			
21	RF0003	Providing & fixing Pre Painted Steel Corrugated Roofing sheets, including bolts, hooks and nuts 8mm dia. with bitumen and G.I limpet washers filled with white lead for connection,excluding the cost of purlins, rafter and trusses. - 25g (0.50mm)	66.36	sq.m			
22	RF0007	Providing & fixing 600mm ridges or hips in Pre Painted Steel sheets, including bolts, hooks and nuts 8mm dia G.I limpet and bitumen washers for connection. - 25g. (0.50mm)	8.4	m			

SEWERAGE PLUMBING FITTINGS

STP TANK FITTINGS

23	A/R	Providing & fixing P.V.C soil waste and vent pipes with working pressure of 6kg/cm ² , single or double socketed, including pipe clip complete (excluding the cost of PVC fittings) - 160mm dia	20	m			
23	A/R	Providing & fixing PVC elbow with working pressure of 6kg/cm ² , - 160mm dia	12	nos			
23	A/R	Providing & fixing PVC socket with working pressure of 6kg/cm ² , - 160mm dia	5	nos			
23	A/R	Providing & fixing PVC coupler with working pressure of 6kg/cm ² , - 160mm dia	1	nos			
23	A/R	Providing & fixing 63mm x 50mm PVC bushing with working pressure of 6kg/cm ² .	6	nos			
23	A/R	Providing & fixing schedule 80 PVC MTA (Male Threated Assembly) - 50mm	1	nos			
23	A/R	Providing & fixing schedule 80 uPVC MTA (Male Threated Assembly) - 40mm	5	nos			
23	A/R	Providing & fixing schedule 80 uPVC FTA (Female Threated Assembly) - 40mm	15	nos			
23	A/R	Providing & fixing schedule 80 uPVC pipe - 40mm	100	m			
23	A/R	Providing & fixing schedule 80 uPVC TEE - 40mm	15	nos			
23	A/R	Providing & fixing schedule 80 uPVC Elbow - 40mm	50	nos			
23	A/R	Providing & fixing schedule 80 uPVC Socket - 40mm	20	nos			
24	A/R	Providing & fixing schedule 80 uPVC pipe - 50mm	60	m			

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25	A/R	Providing & fixing schedule 80 uPVC TEE - 50mm	25	nos			
26	A/R	Providing & fixing schedule 80 uPVC Elbow - 50mm	10	nos			
27	A/R	Providing & fixing schedule 80 uPVC Socket - 50mm	10	nos			
28	A/R	Providing & fixing schedule 80 uPVC MTA (Male Threated Assembly) - 50mm	1	nos			
29	A/R	Providing & fixing schedule 80 uPVC MTA (Male Threated Assembly) - 75mm	3	nos			
30	A/R	Providing & fixing scheudle 80 of 75mm x 40mm uPVC bushing	3	nos			
31	A/R	Providing & fixing scheudle 80 of 50mm x 40mm uPVC bushing	1	nos			
32	A/R	Providing & fixing schedule 80 uPVC pipe - 15mm	1	m			
33	A/R	Providing & fixing schedule 80 uPVC FTA (Female Threated Assembly) - 15mm	1	nos			
34	A/R	Providing & fixing schedule 80 uPVC MTA (Male Threated Assembly) Brass Threaded - 40mm	1	nos			
35	A/R	Providing & fixing schedule 80 uPVC End cap - 40mm	10	nos			
36	A/R	Providing & fixing schedule 80 uPVC Union - 40mm	5	nos			
37	A/R	Providing & fixing schedule 80 uPVC Ball Valve - 40mm	8	nos			
38	A/R	Providing & fixing uPVC Adhesive to the pipe fittings (Standard)	3	ltrs			
BLOWER HEADER PLUMBING FITTINGS							
39	A/R	Providing & fixing 40mm (1.5") Brass Ball Valve (Handle Valve) of ISI(Zoloto Brand)	3	nos			
40	A/R	Providing & fixing 40mm (1.5") G.I Union	2	nos			
41	A/R	Providing & fixing 38mm (1.5") G.I Nipple (1 Feet Length)	4	nos			
42	A/R	Providing & fixing 38mm (1.5") G.I Nipple (3" Length)	8	nos			
43	A/R	Providing & fixing 40mm (1.5") G.I Elbow	1	nos			
44	A/R	Providing & fixing 40mm (1.5") G.I Tee	2	nos			
45	A/R	Providing & fixing Anchor Fastner 8mm (Standard)	10	nos			
46	A/R	Providing & fixing 10mm Nylone Rope (Standard)	25	m			
47	A/R	Providing & fixing Taflon Tap (Standard)	25	nos			
48	A/R	Providing & fixing Jastie Hill 2" (Standard)	300	gram			
49	A/R	Providing & fixing 2" wall Clamp (Standard)	5	nos			
50	A/R	Providing & fixing 1.5" wall Clamp (Standard)	20	nos			

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51	A/R	Providing Haxo Blade Double side (Standard)	5	nos			
ELECTRICAL ITEMS							
SUPPLY AND LAYING OF POWER CABLES							
		Supplying of Power Cables (1.1kV) 4-Core Copper - Armoured, PVC insulated & sheathed					
1	AR	2.5 sq.mm	40	m			
		Laying of one number PVC insulated and sheathed power cable copper/aluminium, armoured/un-armoured 1.1KV single core to four core in the existing cable tray as required					
2	AR	Upto 6sq.mm	40	m			
SUPPLY AND LAYING OF CABLE TRAY							
3	AR	Supplying of 50 mm X 50 mm GI Cable Tray with cover (standard)	15	m			
4	AR	Laying of cable tray	15	m			
SUPPLY AND FIXING OF LUGS							
5	AR	Supply and fixing of 2.5mm pin type lug (standard)	50	Nos			
6	AR	Supply and fixing of 2.5mm ring type lug (standard)	20	Nos			
SUPPLY AND FIXING OF CHINA SADDLE							
7	AR	Supply and fixing of 25mm PVC China Saddle (standard)	50	Nos			
SUPPLY OF TAPE							
8	AR	Supply of waterproof tape (standard)	2	Nos			
9	AR	Supply of wire tape (standard)	3	Nos			
SUPPLY OF CABLE TIE							
10	AR	Supply of cable tie (300mm) (standard)	1	Nos			
SUPPLY AND FIXING OF COMPRESSION GLAND							
11	AR	Supply and fixing of 19 mm HMI Bobble compression SS Gland (standard)	8	Nos			
12	AR	Supply and fixing of 13.5 mm PG Gland (PVC) (standard)	1	Nos			

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SITE OFFICE CUM ACCOMODATION FOR CLIENT							
1	AR	Construction of temporary structure and furnishing 3BHK accomodation for client to be used as office cum residence at project site. The office and rooms should be furnished with necesaaary furnitures, equipped with portable water, power supply and maintained daily.	8	monthly			
						TOTAL (Nu.)	-
						GRAND TOTAL (Nu.)	