

Schedule of Works (Plumbing Work)

ITEM NO.	DESCRIPTION				
	<p><b><u>GENERAL NOTE</u></b> (Applicable to all items)</p> <p>Supply, installation, testing and commissioning of following items of work at site, including all labour, tools, plant, accessories, etc. required for completion of each item as per specifications and as approved by the Engineer.</p> <p><b><u>SANITARY FIXTURES AND FITTINGS</u></b></p>				
BS-01	<p>Water closet Eastern pattern best quality with integral foot rests, P-trap, t-stop cock,waste pipe,13.5 liters flushing cistern low down, flush pipe etc, fixed to concrete, brick, stone or wood work, in Light colour.</p>				
BS-02	<p>Water closet apparatus European pattern comprising 13.5 liters flushing cistern, seat cover,t-stop cock,waste pipe etc., (Coupled set in Light colour), any approved size fixed to concrete, brick or stone work, complete in all respects.</p>				
BS-03	<p>Wash hand basin of approved make, colour, size(24"X18"), shape &amp; quality including pedestal, bottle trap with union 1-1/4"basin waste, tee-stop cocks,chromium plated chain and rubber plug,C.P. mixer for cold and hot water, jointing and sealing material, painted heavy duty brackets/fixers etc. with all accessories for complete installation.</p>				
BS-04	<p>Stainless steel Laboratory sink,(18"X24") of approved make, colour, size, shape &amp; quality including mixer for cold and hot water, t-stop cocks and all other accessories for complete installation</p>				
BS-05	<p>Supply and fix 5mm thick mirror (24"X18") , including hard board behind it and all other fittings for complete installation as per specifications.</p>				
BS-06	<p>Plastic shelf of approved size and shape, with plugs and screws, fixed to concrete, brick stone or wood work, complete in all respects.</p>				
BS-07	<p>Toilet paper holder (SS) of any shape, pattern and size, complete with plugs, screws etc., fixed to concrete, brick, stone or wood work, complete in all respects.</p>				

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BS-08	Soap tray of any shape, pattern and size, complete with plugs, screws etc., fixed to concrete, brick, stone or wood work, complete in all respects .				
BS-09	CP towel rail:600mm long, 20mm dia conforming to BS 1010, complete with nuts bolts etc.				
BS-10	Supply and installation of Muslim Shower combined with double bib-cock of approved colour including all fittings for complete installation.				
BS-11	WC cleaning brush				
BS-13	<b><u>WATER SUPPLY PIPES AND FITTINGS</u></b>				
	Supply and installation of PPR PN-20 pipes as per DN 8077-8078 with PN-25 fittings moulded i/c all fittings, making holes in concrete or masonry and then repairing holes, supports and hangers etc. of the following diameters, complete in all respects.				
	(a) 3/4 inch (1/2 inch inner)				
	(b) 1 inch (3/4 inch inner)				
	(c) 1¼ inch (1 inch inner)				
BS-14	(d) 2 inch (1 ¼ inch inner)				
	<b><u>SOIL, WASTE, VENTILATING PIPES &amp; FITTINGS</u></b>				
	uPVC class 'B' BSEN 1329-1 Soil, Waste, of the following diameters, including cleanout plug,clamps, hanger collars,supports, imported rubber ring/solvent cement fittings, jointing, cutting, and breaking concrete/masonry etc. and then making it good, cleaning and testing etc.complete in all respects.				
	(a) 6 inches				
	(b) 4 inches				
BS-15	(c) 3 inches				
	(d) 2 inches				
	uPVC Multi Floor Trap (110x75mm),with minimum water seal of 40mm, including strainer; making required number of connections; breaking concrete or masonry work & then making it good; etc. of approved make.				
BS-16	Cowl on vent pipes of the following diameter.				

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BS-17	(a) 2 inches Construction of Gully Trap Chamber (12"x12" clear) including supply & fixing of approved make gully trap construction of 4-1/2" thick brick masonry in 1:4 c/s mortar , 3" thick 1:4:8 PCC at bottom, 1:2:4 PCC in benching, (12"x12") CI cover with frame (15 kg), 1/2" thick 1:3 c/s plaster on inner face, etc. complete in all respects as shown on drawings.				
BS-18	<p><b><u>VALVES</u></b>                      Bronze PPR coated Gate valves, conforming to DIN standards,&amp; shall be of 16-bars for working pressure,open &amp; shut indicators shall be marked on the handle,the ends may be screwed or flanged,including unions &amp; jointing arrangement with pipe on both ends of valves; nuts, bolts etc. complete in all respects.</p>				
BS-19	(a) 3/4 inch (b) 1 inch (c) 1.25 inch Providing and fixing bronze nor-return/ check valves conforming to BS 5152 (general purpose),service rating of 16bars and check valves shall be of swing type of the following diameters as shown on the drawing and required for installation.				
BS-20	(a) 1.25 Inch Float valves (automatic) of copper alloy,piston type and shall conform to B.S 1212. Float shall be of copper and shall conform to B.S 1968 including unions & jointing arrangement with pipe on both ends of valves; nuts, bolts etc. complete in all respects .				
BS-24	(a) 1.25 inch <p><b><u>MANHOLES</u></b>                      Construction of brick masonry manholes including all items and works as shown on drawings, RCC cover Medium duty (weight-45 kg) and C.I. frame complete in all respects as directed by the Engineer of following depths, as defined in specifications and as directed by the Engineer.</p> <p><b><u>RAIN WATER DRAIN</u></b></p>				

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ITEM NO.	DESCRIPTION				
BS-25	Supply, installation, testing and commissioning of Upvc clan "B" as pe BSEN 1329-1 with solvent joint horizontal/vertical plastic body double insulated wall type water tanks of following capacity including all fittings necessary for complete installation.				
(a)	4 inches				
BS-26	<p><b><u>FIRE EXTINGUISHER</u></b></p> <p>Wall mounted Dry chemical powder fire extinguisher 6kg capacity stored pressure type as per specifications.</p>				
BS-26	Wall mounted 5kg CO2 fire extinguisher 5kg capacity stored pressure type as per specifications.				
BS-27	<p><b><u>OVER HEAD WATER TANK</u></b></p> <p>Supply, installation, testing and commissioning of Fiber Glass body double insulated water tank of cylindrical shape (Horizontal) (with of following capacity including all fittings necessary for complete installation.</p>				
(a)	500 US Gallons				
BS-28	1 inch dia Air relief valve on main riser				
BS-31	<p><b><u>ELECTRIC WATER COOLER</u></b></p> <p>Supply and installation of Electric Water Coller as instructed by the Engineer Incharge.</p>				

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