

# NOURISH

HEALTHY EATS @ DIAL  
MUFFIN DESIGN SOLUTIONS

**13. PLUMBING WORKS-WATER SUPPLY BILL OF QUANTITIES AND ESTIMATE**

S.NO	DESCRIPTION	UNIT	PO QUANTITY	ACTUAL QTY.
<b>I INTERNAL WATER SYSTEM</b>				
<b>A WATER DISTRIBUTION FOR ALL THE AREAS</b>				
1	Supplying, installing, fixing, jointing, testing and commissioning of approved make Chlorinated Polyvinyl Chloride pipes (CPVC) up to 50mm dia SDR 11, ASTM CTS, and above 50mm dia CPVC schedule 40 ASTM IPS. Fittings up to 50mm dia SDR 11. The fittings and specials such as tees, elbows, couplers, bends, enlargers etc. with CPVC brass threaded combination / transition specials such as male adapters brass threaded female adapters, brass FPT Tee, Brass FPT elbow, clamps, supports etc., where connection with metal is to be made including necessary drilling holes, chasing walls and the same original condition neatly as directed by the Engineer in-charge. Joints to be made with CPVC solvent cement up to 50mm dia as per ASTM D-2846 and above 50mm dia primer P-70, and solvent conforming to ASTM F-4931 / 724. (DWS AND HWS)			
1	25 mm dia	Rmt	20	20
2	Supplying, installing and testing approved make GM ball valves PN10 conforming to IS 1703 with unions etc. complete.			
i	25 mm dia (Screwed ends)	Nos	1	1
3	Digital Water Flow meter for measuring water consumption for the unit with all the mounting accessories with 25mm dia inlet and outlet size. Endress_Hauser Flow Meters.	Nos		
<b>A) SUB-TOTAL FOR WATER DISTRIBUTION FOR ALL THE AREAS</b>				
<b>II INTERNAL DRAINAGE SYSTEM</b>				
<b>B INTERNAL SEWERAGE WATER SYSTEM + BOH/BAR AREA</b>				
1	Supplying, fixing, testing and commissioning PVC, waste pipes (SWR) conforming to IS13592 :1992, type B with rubber ring (confirming IS:5382) joint inclusive of all necessary specials like bends, tees, offsets, door ends, junctions, cowls, etc., laid under floor/fixd on walls and in pipe shafts etc., complete. The quoted rate should include necessary earthwork, chasing in walls, making bores in walls, foundations and slabs and making good the chased surfaces, Anchor fasteners, supports like hanger supports, MS brackets with GI clamps, grip bolts, etc., complete. (Note:GI brackets/Supports shall be provided at every 1.5m c/c)			
<b>I) INTERNAL AREA</b>				
ii	100 mm dia	Rmt	7	6.5
2	Supplying, fixing and testing PVC pressure pipes (6Kg/sqcm) conforming to IS 4985 for waste connection from wash basin to 'P' trap and sink outlet pipe with solvent joints, including all the fittings, laid above false ceiling concealed in wall etc, complete. The quoted rate should include necessary chasing in walls making good the same in C.M 1:4, necessary fittings viz., supports like Hi-tech supports, grip bolts elbows, tees etc., with G.I clamps and Brackets, Anchor fasteners, Grip bolts, nuts and bolts, etc, complete.			
2	40mm dia	Rmt	3	3
3	40mm dia Flexible pipe for the drawing from the sink to the grease trap + from the sink to the outlet pipe	Rmt	1	1
4	Sink Tap Goft Swivel Spout Chrome Plated Foam Flow 15mm, Sink Cock complete with all accessories to function	Nos.	1	1
5	Supply, Fixing, Installation & Commissioning of Bib Cock with nozzle of Jaquar make model no CON-049KN with wall flange and necessary fittings etc complete.	Each	1	1
<b>(B) SUB-TOTAL FOR INTERNAL SEWERAGE WATER SYSTEM ALL AREAS</b>				



*[Handwritten Signature]*  
12/7/2024