

# **PLUMBING WORKS**

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S.No	Description	Quantity	Unit	Rate	Amount
	<b><u>WATER SUPPLY:</u></b>				
1	<b>Cold and Hot Water Supply Piping</b> Supply, installation Testing and Commissioning of of PPR PN - 20 Cold/Hot water pipes as per DIN 8077-8078 with molded fittings PN - 25 as per DIN 16962, including pipe supports a as indicated on the drawing, as per specifications and Engineers approval.				
	(i) 20 mm dia	56	Rm		
	(ii) 25 mm dia	36	Rm		
	(iii) 32 mm dia	0	Rm		
	(iv) 40 mm dia	18	Rm		
	(v) 50 mm dia	0	Rm		
	(vi) 65 mm dia	0	Rm		
2	<b>Valves</b> Providing and fixing of Isolation/Gate valves of same material as piping as indicated on the drawing, as per specifications and Engineers approval.				
	(i) 20 mm dia	1	Nos.		
	(ii) 25 mm dia	3	Nos.		
	(iii) 32 mm dia	1	Nos.		
	(iv) 40 mm dia	1	Nos.		
	(v) 50 mm dia	0	Nos.		
	(vi) 65 mm dia	0	Nos.		
3	<b>Water Tank and Connection</b> Connection to overhead water tanks from external Water Water supply network including Excavation, Backfill, Piping, Valves etc., complete all in accordance with the drawing and specifications.	1	Job		
	Supply and installation of GRP Water tank of 1000 U.S Gallons capacity with Overflow and drain valves, complete in all respect as per drawings, specifications and Engineers Approval	1	Nos.		
	Medium Duty Covers for RCC Water Tanks	2	Nos.		
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<b><u>SANITARY SEWAGE:</u></b>					
<b>1</b>	<b>Soil, Waste, Vent and Rainwater Pipes</b>				
	Providing and fixing, uPVC pipes Class 'B' Pipes and fittings as per BS 4660 for above ground installations for Soil, Waste, Vent & Rw pipes including cleanout plug, clamps, hanger collars, supports, specials (bend, tees, Y-tee etc) as indicated on the drawing, as per specifications and Engineers approval.				
	(i) 50 mm dia	12	Rm		
	(ii) 75 mm dia	16	Rm		
	(iii) 100 mm dia	10	Rm		
	Providing and fixing, uPVC pipes and fittings as per EN 1401 for below grade installations for Soil, Waste, Vent & Rw pipes including cleanout plug, clamps, hanger collars, supports, specials (bend, tees, Y-tee etc) as indicated on the drawing, as per specifications and Engineers approval.				
	(i) 150 mm dia	30	Rm		
<b>2</b>	<b>Drainage Specialties</b>				
	Providing and fixing, PVC floor trap with multiple dia inlet and cleanout plug of the approved self cleaning design with S.Steel grating, as indicated on the drawing, as per specifications and Engineers approval.	6	Nos.		
	Providing and fixing UPVC cowl for vent pipe of the following dia including all accessories complete in all respects.				
	(i) 75 mm dia	2	Nos.		
	(ii) 100 mm dia	2	Nos.		
Continued..					

S.No	Description	Quantity	Unit	Rate	Amount
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SANITARY SEWAGE (Cont...)					
3	<b>Manholes and Gully traps</b>  Construction of 750 x 750 Sanitary sewage manhole with 600x 600 heavy duty cover as specified and shown on the drawing, as per specifications and Engineers approval.  Construction of 450 x 450 gully trap with Sanitary sewage manhole with 300x 300 cover as specified and shown on the drawing, as per specifications and Engineers approval.  Construction of 300 x 300 Catch Basin with Cast Iron grating as specified and shown on the drawing, as per specifications and Engineers approval.  Inatallation of 150 wide Cast iron Grating Catch as specified and shown on the drawing, as per specifications and Engineers approval.	5	Nos.		
		3	Nos.		
		0	Nos.		
		5	Rm		
4	<b>External Connection</b>  Connection to external Sewage network, after obtaining approval from local authorities including the cost of excavation, Piping as specified and shown on the drawing, as per specifications and Engineers approval.	1	Job.		
5	<b>Shop/As Built Drawings.</b>  Providing of Shop/As-built drawing in A1 size with electronic copy as advised by the consultant.	1	Job		
6	<b>Test Run Period</b>  Providing test-run as advised by the consultant. After satisfactorily completion of test-run a certificate will be issued to contractor.	1	Job		
7	<b>Painting and Finishes</b>  Providing painting and finishing as per specification and as directed by the Engineer Incharge, complete in all respects.	1	Job		
Carried to Summary					

S.No	Description	Quantity	Unit	Rate	Amount
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	<b><u>PLUMBING FIXTURES:</u></b>				
1	Providing and fixing European type water closet by Porta or Equivalent with 6 liters flush tank, build in S-Trap, Stop cock with flexible pipe as per drawings, specifications and Engineers Approval.	0	Nos.		
2	Providing and fixing Eastern type water closet by Porta or Equivalent with flush tank, build in S-Trap, Stop cock, necessary clamps, supports as per drawings, specifications and Engineers Approval.	2	Nos.		
3	Providing and fixing of wash basin by Porta with mixer by Sonex/Master, two (2) nos. Stop cocks with Flexible Connection , flexible drain pipe to floor drain as per drawings , specifications and engineers approval.	2	Nos.		
4	Providing and fixing of Shower head by Sonex/Master with shower mixer and angle valves as per architectural fixture selection ,complete in all respect.	2	Nos.		
5	Providing and fixing of Kitchen Sink by Porta with mixer and angle valves as per architectural fixture selection ,complete in all respect.	1	Nos.		
6	Providing and fixing bath toilet accessories as under by Sonex or Equivalent:				
	(i) Toilet Paper Holder	2	Nos.		
	(ii) Hand Spray / Muslim shower	2	Nos.		
	(iii) Soap dish	3	Nos.		
	Carried to Summary				