

Estimate for Sanitary & Plumbing works for Ground floor & First Floor of Women's Hostel Mugberia Gangadhar Mahavidyalaya at Keshaidighi, P.O. Mugberia, P.S. Bhupatinagar, Purba Medinipur on Plot No. 476, 480 & 481. J. L. No. 262.

Sl. No.	Description of Items	Quantity	Unit	Rate	Amount
1	Supplying, fitting and fixing 10 litre P.V.C. low-down cistern conforming to I.S. specification with P.V.C. fittings complete, C.I. brackets including two coats of painting to bracket etc.	8 Nos.	Each	1015.00/ each	8,120.00
2	Supplying P.V.C. water storage tank of approved quality with closed top with lid - Multilayer. a) 1000 litre capacity	3 nos.	Each	5,128.00/ each	15,384.00
3	Labour for hoisting plastic water storage tank (i) Upto 1500 litre capacity	3 nos.	Each	96.00/ each	288.00
4	Wash basin vitreous china and approved make (without fittings) supplied fitted and fixed in position on 75mm x 75mm x 75mm wood blocks and C.I. brackets including two coats of painting of C.I. brackets. (i) 550mm x 400mm size	8 nos.	Each	1383.00/ each	11,064.00
5	Supplying, fitting and fixing approved brand 32mm dia. P.V.C. waste pipe, with PVC coupling at one end fitted with necessary clamps. i) 750 mm long	8 nos.	Each	59.00/ each	472.00
6	Supplying, fitting and fixing Waste fittings complete. i) 32mm.	8 nos.	Each	190.00/ each	1,520.00
7	Supplying, fitting & fixing pillar cock of approved make. a) CP Pillar Cock-15mm. (Equivalent to Code No. 507 & Model Tropical/Sum thing Special of ESSCO or similar brand).	8 nos.	Each	555.00/ each	4,440.00
8	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992. A) i) Single Socketed 3 Meter Length a) 75 mm b) 110 mm ii) Double Socketed 3 Meter Length a) 75 mm b) 110 mm	25 mtr 90 mtr	Metre Metre	196.00/ mtr 292.00/mtr	4,900.00 26,280.00
		9 mtr. 9 mtr.	Metre Metre	211.00/mtr 315.00/mtr	1,899.00 2,835.00

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Sl. No.	Description of Items	Quantity	Unit	Rate	Amount
	iii) Single Socketed 1.8 Meter Length a) 75 mm. b) 110 mm.	12 mtr 12 mtr	Metre Metre	204.00/mtr. 293.00/mtr.	2,448.00 3,516.00
	iv) Double Socketed 1.8 meter Length a) 75 mm. b) 110 mm.	6 mtr. 6 mtr,	Metre Metre	210.00/mtr. 317.00/mtr.	1,260.00 1,902.00
	v) Double Socketed 0.60 meter Length a) 75 mm. b) 110 mm.	2 mtr. 2 mtr.	Metre Metre	236.00/mtr 337.00/mtr	472.00 674.00
	vi) W.C. Connector (150 mm. long) 125 x 110 (W/WC Ring) 75 mm	1 nos.	Each	142.00/each	142.00
	vii) 125/110 P Trap with W.C. Ring	6 nos.	Each	159.00/each	954.00
	viii) Reducer 110 x 75 mm 75 mm	4 nos.	Each	345.00/each	1,380.00
	ix) Reducing Tee (110 x 75 mm) 75 mm	4 nos	Each	80.00/each	320.00
	x) Round Jali 75 mm	6 nos	Each	24.00/each	144.00
	xi) Nahani Trap 90 mm	4 nos.	Each	105.00/each	420.00
	xii) Rubber Lubricant 500ML	4 nos	500 ML	187.00/each	748.00
	xiii) Solvent Cement 250 ML	4 nos	250 ML	103.00/each	412.00
9.	Labour for fitting and fixing U.P.V.C. pipes for above ground work including cost of jointing materials etc. fitting and fixing all necessary specials, cutting pipes, cutting holes in walls or R.C. floor where necessary and mending good all damages excluding the cost of masonry of the cost of masonry or concrete work, if necessary, but including the cost and fitting and fixing holder bat clamps (any floor) in floor underground work including cutting trenches upto 1.5 metre and refilling the same complete as per direction of the Engineer-in-charge. (Payment will be made on centre line				

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Sl. No.	Description of Items	Quantity	Unit	Rate	Amount
	measurement of the total pipeline including specials.				
	(A) Above ground				
	(i) 75 mm. dia	25 mtr.	Metre	45.00/mtr.	1,125.00
	(ii) 110 mm. dia.	90 mtr.	Metre	57.00/mtr.	5,130.00
	(B) Under ground				
	(i) 75 mm dia	5 mtr.	Metre	73.00/mtr	365.00
	(ii) 110 mm dia	10 mtr.	metre	84.00/mtr	840.00
10	Supplying, fitting and fixing E.W.C. in white glazed vitreous chinaware of approved make complete in position with necessary				
	(a) With 'P' trap	1 no.	Each	1421/-/each	1,421.00
	(b) With 'S' trap	1 no.	Each	1512/-/each	1,512.00
11.	Supplying, fitting and fixing Orissa pattern water closet in white glazed vireous chinaware of approved make in position complete excluding 'P' or 'S' trap (excluding cost of concrete for fixing).				
	(i) 530 mm x 410 mm	6 nos.	Each	1522.00	9,132.00
12.	Supplying, fitting and fixing squatting plate with integral flushing in white vitreous chinaware of approved make in cement concrete (6:3:1) with Jhama chips complete. (Payment of concrete will be paid separately).				
	(i) 450 mm x 350 mm.	6 nos.	Each	881.00/each	5,286.00
13.	Supplying, fitting and fixing Half round channel with or without outlet as required set in cement concrete (6:3:1) with Jhame chips complete. (Payment of concrete will be paid separately).				
	(i) 600 mm x 150 mm	25 mtr	Metre	466.00/mtr.	11,650.00
14.	Supplying, fitting and fixing Foot rest for water closet of size 275 mm x 125 mm with				
	(a) Porcelain of approved make.	2 pair	Each pair	214.00/pair	428.00

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15.	Supplying fitting and fixing closet seat of approved make with lid and C.P. hinges, buffer and brass screws complete. (i) Plastic (hallow type) white	2 nos	Each	535.00/each	1,070.00
16.	Supplying, fitting and fixing 32mm dia. Flush Pipe of approved make with necessary fixing materials and clamps complete. (i) Polythene Flush Pipe	8 nos	Each	155.00/each	1,240.00
17.	Supplying, fitting and fixing best quality Indian make mirror 5.5 mm thick with silvering as per I.S.I. specifications supported on fibre glass frame of any colour, frame size 550 mm. x 400 mm.	8 nos	Each	613.00/each	4,904.00
18.	Supplying, fitting and fixing towel rail with two brackets. (a) C.P. over brass (i) 25mm dia and 450 mm long	8 nos	Each	384.00/each	3,072.00

19.	Constructing inspection pit of inside measurement 600mm x 600mm x upto 600mm(depth) with 250 thick 1 st class brick work in cement mortar (1:4) on all sides, bottom of the pit constructing of 100 mm thick cement concrete (1:3:6) with stone chips over a layer of jhama brick flat soling, 15mm thick (1:4) cement plaster to inside walls and out-side walls upto G.L. and 20mm thick (1:4) plaster to bottom of the pit, providing necessary invert with cement concrete (1:3:6) with stone chips as per direction, neat cement finishing to entire internal surfaces, top of the pit covered with 100mm thick R.C.C. slab (1:1.5:3) with stone chips and necessary reinforcements upto 1% and shuttering including 6mm thick cement plaster (1:4) in all external surface of the slab and one 560 mm. dia R.C.C. manhole cover of approved approve make supplied, fitting & fixing in the slab with necessary fittings, necessary earthwork in excavation in all sorts of soil, fitting sides of the pit with earth and removing spoils after work complete in all respect with all costs of				
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Sl. No.	Description of Items	Quantity	Unit	Rate	Amount
	labour and materials. a) With Pakur variety (SAIL/TATA/RINL)	2 nos.	Each	6,987.00	13,974.00
20.	Construction of circular soak well 2.5 metre deep in all types of sandy soils with dry brick work upto 1.6 metre from the bottom having 150mm intermediate cement brick work (1:4) band all round and cement brick work (1:4) to inside face upto the depth of cement brick work, 15mm thick cement plaster (1:4) on outer face from top of the wall upto G.L. and 6mm thick cement plaster (1:4) on top of the R.C.C. cover slab including filling bottom 1.00 metre of inside of the wall with brick metal (50 m m to 63mm size)including R.C.C. cover slab of 100 mm thick with cement conc.(1:1.5:3) with stone chips with necessary reinforcement and shuttering including one 560 mm dia R.C.C. manhole cover (heavy type) of approved make supplied, fitted in the cover slab with necessary fittings, making necessary arrangements for pipe connections, excavation of well including shoring, dewatering and removing the excess earth from the premises as per direction complete in all respect with all costs of labour and materials. with 250 mm thick dry brick work and 250 mm thick cement brick work (1:6) and 1.0m inside dia. (SAIL/TATA/RINL)	1 no.	Each	16,137.00	16,137.00
21.	Labour charges for boring Tube-well by water jet system through any type of soil strata including higher and labour charges for boring pipes scaffolding other tools and plants as necessary and taking out them and lowering pipes, strainers, blind pipes etc. and fitting fixing the same complete including bucket washing and other incidental works in the connection. Tube-well should have a minimum 50 mm. gap in between the outside of the tube well pipe and the bore. a) For depth upto 150 mtr. BGL with top enlargement of 100 mm. dia.				
	i) 100 mm. dia	65	Mtr.	426.00/mtr	27,690.00
	ii) 50 mm dia	85	Mtr	148.00/mtr	12,580.00
	iii) For depth more than 150 mtr BGL	75	Mtr	184.00/mtr	13,800.00

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Sl. No.	Description of Items	Quantity	Unit	Rate	Amount
22.	Supply for fitting fixing plug cutter of approved make & brand conforming to IS specification 50 mm. dia	1	Each	189.00/each	189.00
23.	Supply for fitting fixing of Reducing socket 100 mm x 50 mm dia (SCH 80) of approved make and brand.	1	Each	171.00/each	171.00
24.	Supply for fitting fixing PVC strainer of approved make with adapter conforming to IS 12818 specification with latest amendments 2 mtr. Each (50mm. dia).	10	Mtr	367.00/each	3,670.00
25.	Supply of UPVC rigid pipes & fitting & conforming to ASTM-D-1785 and threaded to match with GI pipes as per IS 1239(Part-1, S-80 duty) with all necessary accessories.				
	1) 100 mm dia (housing Pipe-SCH-80)	65	Mtr	874.00/mtr.	56,810.00
	2) 50 mm dia (SCH-80)	160	Mtr.	282.00/mtr.	45,120.00
26.	Supplying fitting fixing Submersible pump (1 HP) of approved make & brand	1	each	12,100.00	12,100.00
27.	Supply for fitting fixing panel board with starter of approved make & brand with Electrical cable line of approved quality.	1	Each	2700.00/each	2,700.00
28.	Supplying fitting fixing column pipe of PVC approved make and brand 32 mm. dia.	50	Mtr.	120.00/mtr	6,000.00
29.	Collection of sample of water for bacteriological and chemical text... all respect.	1	Each	1,231.00	<u>1,231.00</u>
					3,51,341.00
	Add 6% Central GST			Rs.	21,080.00
	Add 6%WB. GST			Rs.	<u>21,080.00</u>
				Total :	3,93,501.00
	Add 1% Cess				<u>3,935.00</u>
				G. Total (Rs.)	3,97,436.00

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	(B) Fittings i) Plain Tee a) 75 mm. b) 110 mm.	2 nos. 10 nos.	Each Each	46.00/each 85.00/each	92.00 850.00
	xiv) Door Tee a) 75 mm. b) 110 mm.	3 nos. 15 nos.	Each Each	101.00/each 195.00/each	303.00 2,925.00
	xv) Door Tee(LH) & (RH) a) 75 mm. b) 110 mm.	3 nos. 3 nos.	Each Each	178.00/each 312.00/each	534.00 936.00

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Sl. No.	Description of Items	Quantity	Unit	Rate	Amount
	xvi) Plain Y				
	a) 75 mm.	2 nos.	Each	102.00/each	204.00
	b) 110 mm.	4 nos.	Each	206.00/each	824.00
	xvii) Door Y (LH) & (RH)				
	a) 75 mm.	2 nos.	Each	140.00/each	280.00
	b) 110 mm.	2 nos.	Each	276.00/each	552.00
	xviii) Bend 45 ⁰				
	a) 110 mm.	4 nos.	Each	89.00/each	178.00
	xix) Bend 87.5 ⁰				
	a) 110 mm.	4 nos	Each	120.00/each	480.00
	xx) Vent Cowl				
	a) 75 mm.	2 nos.	Each	25.00/each	50.00
	b) 110 mm.	2 nos.	Each	33.00/each	66.00
	xxi) Passover				
	a) 75 mm	4 nos.	Each	285.00/each	1,140.00
	b) 110 mm	4 nos	Each	407.00/each	1,628.00