

ESTIMATE

NAME OF WORK: CIVIL WORKS FOR BURRIED PIPING & CONSTRUCTION OF BOOSTER TERTIARY PUMP HOUSE IN ACADEMIC AREA

SL NO	ITEM & DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	Earthwork in excavation by mechanical means (Hydraulic excavator)/manual means in foundation,trenchs or drains (Exceeding 30Cm in depth 1.5m in width as well as 10 Sq.M on Plan) including dressing of sides and ramming of bottoms including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50Mtr. (All kinds of Soil)	Cum	3350.00	116.41	389973.5
2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20Cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50M and lift upto 1.5M	Cum	2580.00	50.77	130986.6
3	Supplying and filling in plinth/trench with river sand under floors including watering ramming consolidating and dressing complete.	Cum	730.00	273.14	199392.2
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering. Cement concrete in 1:4:8 (1 Cement : 4 sand:8 Coarse Aggregate	Cum	38.00	3077.31	116937.78
5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering. Cement concrete in 1:2:4 (1 Cement : 2 sand:4 Coarse Aggregate 20mm Down) upto plinth level	Cum	5.00	4065.29	20326.45
6	Providing and laying in position Reinforced cement concrete of specified grade excluding the cost of centering and shuttering. Cement concrete in 1:1½:3 (1 Cement : 1½ sand:3 Coarse Aggregate 20mm Down) upto plinth level	Cum	14.00	4622.35	64712.90
7	Providing and laying in position Reinforced cement concrete of specified grade excluding the cost of centering and shuttering. Cement concrete in 1:2:4 (1 Cement : 2 sand:4 Coarse Aggregate 20mm Down) upto plinth level	Cum	60.00	4181.09	250865.4
8	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3sand:6 Coarse aggregate) over 75mmm thick bed of dry brick ballast 40mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth above plinth level	Sqm	112.50	267.13	30052.125

9	Providing and laying Reinforced cement concrete in retaining walls return walls (any thickness) including attached pilasters Columns Piers Abutment Pillars Post Buttress string or lacing courses Parapets Coping, slab beam, staircase, bed block anchor blocks plain window sills fillets etc upto floor Five Level excluding the cost of centering and shuttering and finishing				
	CC 1:1½:3 (1 Cement:1½ Coarse Sand:3 Coarse Aggregate 20mm Down)	Cum	47.50	5019.81	238440.975
10	Centering and shuttering including struting propping etc and removal of forms for:				
	Foundations footing bases of column etc for mass concrete	Sq.M	87.50	110.23	9645.13
11	Centering and shuttering including struting propping etc and removal of forms for:				
	walls (Any thickness) including attached pillaster buttresses plinth and string	Sqm	250.00	155.62	38905.00
12	Centering and shuttering including struting propping etc and removal of forms for:				
	Columns Pillars piers Abutment Posts and strutts	Sq.M	100.00	213.01	21301.00
13	centering and shuttering including strutting proping etc and removal of form work for:				
	suspended floors, roofs, landing balconies and access platform with water proof ply of 12mm thick	Sq.M	500.00	325.89	162945
14	Providing and placing reinforcement for R.C.C. work including straightining cutting bending placing in position and binding all complete.				
	Thermo Mechanically Treated Bars	Kg	13662.00	64.01	874504.62
15	Brick work with F.P.S bricks of class designation 75 in foundation and plinth in cement mortar 1:6 (1cement: 6 Sand)	Cum	37.50	2963.50	111131.25
16	Brick work with F.P.S bricks of class designation 75 in Super structure above plinth levell upto V floor level in all shapes and size in Cement mortar 1:6 (1cement: 6 sand)	Cum	50.00	3318.10	165905.00
17	Supplying and fixing of roliing shutters of approved make and made of required M.S laths interlocked together through their entire length and jointed together at the end by end locks mounted on specially designed pipe shaft with brackets side guides and arrangements for inside and outside locking with push and pull operation complete including the cost of providing and fixing necessary 27.5CM long wire spring s grade No-2 and M.S top cover of required thickness for rolling shutters including primer coat.				

	80x1.25 M.S lathe with 1.25mm thick top cover	Sqm	10.50	3338.43	35053.52
18	Providing and fixing of Ball bearing for rolling shutter	Each	2.00	205.48	410.96
19	White washing with KATNI lime to give an even shade				
	New work (Three or more coat)	Sqm	250.00	10.01	2502.50
20	Providing and fixing ISI marked steel glazed doors, windows and ventilators of standard rolled steel sections, (as per IS 1038 with Z or L section)joints mitred and welded with 15x3 mm lugs, 10cm long, embedded in cement concrete blocks 15x10x10 CM of 1:3:6 (1 cement: 3 Sand: 6 graded stone aggregate 20mm nominal size) or with wooden plugs and screw or rawl plugs and screws or with fixing clips or with bolts and nuts as required, including providing and fixing of 4mm glass panes with glazing clips and special metal sash putty of approved make complete including applying a priming coat of approved steel primer, excluding the cost of metal beading and including other fitting (stay ,handle),necessary hinges or Pivots as required including primer coat.	Sq.M	20.00	1927.21	38544.20
21	cement concrete flooring 1:2:4 (1 cement : 2 sand: 4 coarse aggregate) finished with a floating coat of neat cement including cement slurry , but excluding the cost of nosing of steps etc. complete				
	40mm thick with 20mm nominal size stone aggregate	Sqm	150.00	237.98	35697.00
22	cement plaster skirting (Upto 30CM height) with cement mortar 1:3(1 cement : 3 Sand) finished with floating coat of neat cement.				
	18mm thick	Sqm	100.00	189.16	18916.00
23	15mm cement plaster of mix 1:6 (1 cement: 6 Sand)over rough side of half brickwork	Sqm	225.00	84.69	19055.25
24	20mm cement plaster of mix 1:6 (1 cement: 6 Sand)	Sqm	212.50	102.34	21747.25
25	Finishing wall with acrylic smooth exterior paint of required shade:				
	New work (two or more coat applied @1.67kg/10 Sq.M) over and including base coats of water proofing cement paint applied @ 2.2 Kg/10 Sq.M	Sqm	262.50	64.09	16823.63

26	Supplying and fixing and fittings of PVC pipes of approved brand (Finolex/Supreme) complete with fittings including cutting and making good the walls etc. as per direction of Engineerin Charge.				
	110mm dia Pipes	RM	112.50	302.61	34043.63
27	Supplying and fixing and fittings of PVC door bend of approved brand (Finolex/Supreme) complete with fittings				
	110mm dia Pipes	Each	12.00	222.66	2671.92
28	Providing and laying screed concrete on the top of the roof in 1:2:4 (1 cement :2 sand : 4 stone chips 10mm down gauge) with water proofing admixture Conforming to IS:2645, and crack resistance fibre like RECRON 3S or equivalent with slope of 1 in 100 and necessary hollering as per direction of Engineer- in-charge. (minimum thickness of 75mm)	Sqm	187.50	315.88	59227.50
29	Making khurras 45x45 cm with average minimum thickness of 5cm cement concrete 1:2:4 (1 cement:2 coarse sand: 4 graded stone aggregate of 20mm nominal size) over P.V.C. sheet 1mx1mx400 micron,finished with 12mm cement rounding the edge sand making and finishing the outlet complete.	Each	8.00	166.32	1330.56
30	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:				
	Two or more coats on new work	Sqm	60.00	48.96	2937.60
				TOTAL=	3114986.43
				SAY Rs.	3115000.00

