

Name of Work: Provision for 150mm CI pipe line for Campus pump house to Hostel pump house						
Sch No	Sl no	Description of Item	Unit	Rate	Quantity	Amount
5	1	Earthwork in excavation by mechanical means (Hydraulic excavator)/manual means in foundation trenches 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	116.41	1300.00	151333.00
6	2	Earthwork in excavation by mechanical means (Hydraulic excavator)/manual means in foundation trenches 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. (Ordinary Rock)	Cum	195.66	850.00	166311.00
8	3	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	50.77	2200.00	111694.00
22	4	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)	Cum	4065.29	5.50	22359.10
64	5	Brick work with F.P.S bricks of class designation 75 in foundation and plinth in cement mortar 1:4 (1cement: 4 Sand)	Cum	3169.92	45.00	142646.40
497	6	Providing and fixing of Gunmetal Non return valve as per approved quality (Screwed End)and direction of Engineer in Charge.				
497c	a	Gunmetal NRV H/V 150mm dia	Each	21511.31	2.00	43022.62
497b	b	Gunmetal NRV H/V 100mm dia	Each	18026.81	1.00	18026.81
	7	Providing and laying S&S C.I standards specials such as 90° bend (Heavy class)				
532b	a	100mm dia	Each	2909.28	1.00	2909.28
532c	b	125mm dia	Each	3163.31	1.00	3163.31
532d	c	150mm dia	Each	3607.37	10.00	36073.70
533	8	Providing and laying S&S C.I standards specials such as Tee (Heavy class)				
533b	a	100x100x100mm	Each	2967.36	1.00	2967.36
533c	b	125x125x80mm/ 125x125x125mm	Each	3238.77	1.00	3238.77
533d	c	150x150x150mm 150x150x100mm/ 150x150x80mm	Each	3665.44	4.00	14661.76
534	9	Providing and laying S&S C.I standards specials such as Collars (Heavy class)				
534b	a	100mm dia	Each	1069.84	1.00	1069.84
534c	b	125mm dia	Each	1271.04	1.00	1271.04

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534d	c	150mm dia	Each	1894.35	25.00	47358.75
535	10	Providing and laying S&S C.I standards specials such as Tail Piece (Heavy class)				
535b	a	100mm dia	Each	1007.42	2.00	2014.84
535c	b	125mm dia	Each	1248.41	2.00	2496.82
535d	c	150mm dia	Each	1730.40	10.00	17304.00
536	11	Providing and laying S&S centrifugally cast (Spun) iron pipes (ClassLA) Conformig to IS 1536				
536a	a	100mm dia pipe	Rm	2509.44	10.00	25094.40
536b	b	125mm dia pipe	Rm	2646.89	10.00	26468.90
536c	c	150mm dia pipe	Rm	2901.91	250.00	725477.50
	11a	Less Department Supplied CI pipe of 150mmdia	Rm	2760.00	-175.00	-483000.00
537	12	Providing and laying S&S centrifugally cast (Spun) iron pipes (ClassLA) Tyton Joint				
537c		150mm dia pipe	Rm	2901.91	1000.00	2901910.00
538	13	Providing lead caulked joints to spun iron or C. I pipes and specials including testing of joints				
538a	a	100mm dia pipe	Each	661.66	30.00	19849.80
538b	b	125mm dia pipe	Each	811.68	30.00	24350.40
538c	c	150mm dia pipe	Each	1016.96	500.00	508480.00
539	14	Providing push on joints to centrifugally cast iron pipes or Ductile Iron pipes including testing and including cost of rubber gasket: TYTON joints				
539c		150mm dia pipe	Each	85.49	610.00	52148.90
541	15	Providing and fixing C.I sluice valve (with cap) complete with bolts and nuts rubber insertions etc (the tail piece if required will be paid separately)				
541b	a	100mm dia	Each	8733.41	1.00	8733.41
541c	b	125mm dia	Each	12282.56	1.00	12282.56
541d	c	150mm dia	Each	15270.98	4.00	61083.92
544	16	Constructing masonry chamber 90x90x100cm , inside with 75class designation brick work in cement mortar 1:4 (1 cement : 4 sand) for sluice valve and RCC top slab of 1:2:4 (1 cement : 2 sand: 4 coarse aggregate ) necessary excavation foundation concrete 1:5:10 (1 cement : 5 sand: 10 stone aggregate) and inside plastering with cement mortar 1:3 (1 cement: 3 sand) 12mm thick finished with a floating coat of neat cement complete as per standard design: With FPS Bricks	Each	6353.94	5.00	31769.70
546	17	Labour for relaying S&S centrifugally cast (Spun) iron pipes (ClassLA) Tyton Joint				
546c		150mm dia	Rm	114.31	246.50	28177.42
559	18	providing and fixing MS ERW 150 mm dia pipe of heavy type with 21.3kg /mtr having pressure of 0.5mpa with wall thickness of 5.40mm for water supply by welding joints by arc or gas welding making watertight the joints including all fittings such as bend tee etc complete as per direction of Engineer in Charge. all materials and labour supplied by agency (measurement done per mtr only)	RM'	1720.94	33.00	56791.02

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566	19	Providing and laying non pressure NP2 class (light duty) R.C.C pipes with collars jointed with Stiff mixture of cement mortar in proportion of 1:2 (1 cement: 2 sand) including testing of joints etc complete				
566e		<b>600mm dia R.C.C pipe</b>	RM	1483.41	45.00	66753.45
	20	Cutting and making hole in RCC/Brickwork tank/wall for insertion of CI pipe line including making good and finishing as per direction of Engineer In Charge	Each	490.15	5.00	2450.75
	21	Making connection with Pump and supply line making shutdown on warfooting basis complete including Lead joint/ insertion leather nut- bolts complete as per direction of Engineer In Charge (All materials and labour included)	Each	2500.00	3.00	7500.00
40	22	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 bed block anchor blocks plain window sills fillets etc upto floor Five Level excluding the cost of centering and shuttering and finishing				
		<b>CC 1:2:4 (1 Cement:2 Coarse Sand:4 Coarse Aggregate 20mm Down)</b>	Cum	4578.55	4.00	18314.20
	23	Centering and shuttering including strutting propping etc and removal of forms for:				
45	a	Foundations footing bases of column etc for mass concrete	Sq.M	110.23	60.00	6613.80
60	24	Providing and placing reinforcement for R.C.C. work including straightening cutting bending placing in position and binding allcomplete.				
	a	Thermo Mechanically Treated Bars	Kg	64.01	350.00	22403.50
553	25	Providing and fixing C.I sluice valve (with cap) complete with bolts and nuts rubber insertions etc (the tail piece if required will be paid separately)				
553b		<b>300 mm dia</b>	Each	17226.73	1.00	17226.73
554	26	Providing and fixing C.I ball valve (with handle) complete with bolts and nuts rubber insertions etc (the tail piece if required will be paid separately)				
554b		<b>100 mm dia</b>	Each	4656.59	1.00	4656.59
556	27	Providing and fixing C.I Foot valve (with cap) complete with bolts and nuts rubber insertions etc complete as per direction of Engineer in Charge.				
556b		<b>125mm dia CI</b>	Each	3745.21	1.00	3745.21
556c		<b>150mm dia CI</b>	Each	4325.96	1.00	4325.96
281	28	20 mm cement plaster of mix 1:4 (1 cement: 4 Sand)	Sq.M	120.83	9.00	1087.47
		<b>TOTAL</b>				<b>4944617.98</b>