

Additional Land Filling & Cable Trench Work at WTP Campus for Uluberia-I Block of Uluberia Surface Based W/S scheme for Shyampur- I & II , Uluberia I and Part of Bagnan I & II Block under Howrah Division, PHE Dte.

SL. No.	Description of Items	Quantity	Unit	Rate	Amount
1	Earth work in filling in compound, tank, low land, ditches etc. with good earth, in layers not exceeding 150 mm. including breaking clods and consolidating the same by ramming and dressing complete. (Payment will be made on profile measurement before and after the work				-
	(b) (i) With carried earth arranged by the contractor within a radius of 3 km. including cost of carried earth.	84000	cum	379.82	3,19,04,880.00
2	Earth work in excavation of foundation trenches or drains, in all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing, spreading or stacking the spoils within a lead of 75 m. as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete.				
	(a) Depth of excavation not exceeding 1,500 mm.	985	Cu.M	119.27	1,17,480.95
3	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement,if any, in ground floor as per relevant IS codes. a) Pakur Variety	55	Cu.M	5609.10	3,08,500.50
4	Controlled Cement concrete with well graded stone chips (20 mm nominal size) excluding shuttering and reinforcement with complete design of concrete as per IS : 456 and relevant special publications, submission of job mix formula after preliminary mix design after testing of concrete cubes as per direction of Engineer-in charge. Consumption of cement will not be less than 300 Kg of cement with Super plasticiser per cubic meter of controlled concrete but actual consumption will be determined on the basis of preliminary test and job mix formula. In ground floor and foundation.[using concrete mixture] M 25 Grade				-
	(i) Pakur Variety	230	Cu.M	6,606.01	15,19,382.30
5	Earth work in filling in foundation trenches or plinth with good earth, in layers not exceeding 150 mm. including watering and ramming etc. layer by layer complete. (Payment to be made on the basis of measurement of finished quantity of work)				-
	a) With earth obtained from excavation of foundation.	197	Cu.M	77.54	15,275.38

SL. No.	Description of Items	Quantity	Unit	Rate	Amount
6	Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (upto roof of ground floor)				-
	(a) 25 mm to 30 mm thick wooden shuttering as per decision & direction of Engineer-In-Charge.	3025	Sq.m	334.00	10,10,350.00
7	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every intersection, complete as per drawing and direction.				-
	(a) For works in foundation and upto roof of ground floor/upto 4 m				-
	(i) Tor steel/Mild Steel				-
	II. Other than SAIL/ TATA/RINL	7.9	M.T.	84,015.38	6,63,721.50
8	M.S. structural works in columns, beams etc. with simple rolled structural members (e.g. joists, angle, channel sections conforming to IS: 226, IS: 808 & SP (6)- 1964 connected to one another with bracket, gussets, cleats as per design, direction of Engineer-in-charge complete including cutting to requisite shape and length, fabrication with necessary bolting, metal arc welding conforming to IS: 816- 1969 & IS: 1995 using electrodes of approved make and brand conforming to IS:814-2004, haulage, hoisting and erection all complete. The rate includes the cost of rolled steel section, consumables such as electrodes, gas and hire charge of all tools and plants and labour required for the work including all incidental charges such as electricity charges, labour insurance charges etc.				-
	Payment to be made on the basis of calculated weight of structural members only in finished work as per IS specified weight. Payment for gusset, bracket, cleat, rivets, bolts and nuts may be made by adding the actual weight of such items with the weight of finished structural members or 7% of weight for finished structural members weighing not less than 22.5 Kg. / m. or 15 % of weight for finished structural members weighing less than 22.5 Kg. / m. may be increased allow for bracket, cleat, rivet, bolts and nuts etc. and no separate payment being made for these items, as per direction of Engineer In Charge. The rates are considered for a height of erection 8m. / 2nd floor level from the ground. Add 1.5% extra over the rate for each additional floor or 4m. beyond initial 8m. or part thereof.				-
	I) For structural members of specified sections weighing less than 22.5 Kg./m	22	MT	72,603.00	15,97,266.00

SL. No.	Description of Items	Quantity	Unit	Rate	Amount
9	Laying of R.C.C. pipe with spigot - socket/Roll on jointed pipe, lowering the same into the trench laying on the bed in trenches in prescribed gradient, depth and alignment, filling the end grooves with necessary bitumastic compound, filling caulking space with tarred gasket or with rubber gasket of appropriate size & covering with cement mortar (1:2) & testing the joints etc. complete as per drawing, specification including carriage of pipes from site stacks to the place of laying etc. & as per direction of the Engineer-in- charge. (Payment to be made on the basis of actual finished length of the pipe line).				-
	A) Class NP-3 Pipe				-
	u) 200 mm dia	65	Mtr	153.00	9,945.00
10	COST OF SPIGOT / SOCKET TYPE OF PIPE WITH RUBBER GASKET CLASS - NP3, Standard length 2m each	33	nos	1,145.00	37,785.00

Total Amount =	3,71,84,586.632
Say =	3,71,84,587.00
Add @18% GST =	66,93,225.66
Total =	4,38,77,812.66
Add @1% Cess =	4,38,778.13
Total =	4,43,16,590.79
Say =	4,43,16,591.00



Superintending Engineer
South-24-Pgns. W/S Circle
P.H. Engineering Dte.