

BOQ

Name of the Work: Construction of STP for Hostel at IISER Mohali

S.No	DSR	Description	Unit	Qty	Rate	Amount
1	2.6	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
	2.6.1	All kinds of soil.	cum	775		
2	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	cum	320		
3	2.26	Extra for every additional lift of 1.5 m or part thereof in.				
	2.26.1	All kind of soil. (1.5 to 3.00 mtr)	cum	185		
		3.00 to 4.5	cum	165		
		4.5 to 6.00	cum	65		
4	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
	4.1.8	1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size).	cum	17		
	4.1.10	1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)	cum	19		
5	4.15	Extra for laying concrete in or under water and/or liquid mud including cost of pumping or bailing out water and removing slush etc. complete.				
		Note for item No. 4.15 :- The quantity will be calculated by multiplying the depth measured from the sub-soil water level up to centre of gravity of concrete under sub-soil water level with quantity of concrete in cum executed under sub-soil water. The depth of centre of gravity shall be reckoned correct to 0.1m, 0.05m or more shall be taken as 0.1m and less than 0.05m ignored.	Cum per meter depth	70		
6	5.9	Centering and shuttering including strutting, propping etc. and removal of form for :				
	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete.	sqm	70		
	5.9.2	Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.	sqm	435		

	5.9.3	Suspended floors, roofs, landings, balconies and access platform.	sqm	85		
	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	sqm	8		
7	5.22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.				
	5.22.6	Thermo-Mechanically Treated bars.	kg	21250		
8	5.37	Providing and laying in position ready mixed M-25 grade concrete for reinforced cement concrete work, using cement content as per approved design mix, manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying, excluding the cost of centering, shuttering finishing and reinforcement including cost of admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge.				
9	5.37.1	All works upto plinth level	cum	190		
		Note: - Cement content considered in this item is @ 330 kg/cum. Excess/less cement used as per design mix is payable/recoverable separately).				
10	10.2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete:	kg	100		
11	10.25	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				
	10.25.1	In stringers, treads, landings etc. of stair cases including use of chequered plate wherever required, all complete.	kg	300		
12	12.21	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10mm and down gauge) including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design :				

	12.21.1	In 75x75mm deep chase	mtr	60		
13	13.4	12 mm cement plaster of mix :				
	13.4.1	1:4 (1 cement: 4 coarse sand)	sqm	275		
14	20.2	Boring, providing and installing bored cast-in-situ reinforced cement concrete pile of specified diameter and length below the pile cap M 35 in cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with, bentonite solution and temporary casing of appropriate length for setting out and removal of same and the length of the pile to be embedded in the pile cap etc. all complete, including removal of excavated earth with all lifts and leads (Length of pile for payment shall be measured upto 300 mm dia piles				
	20.2.1		mtr	72		
15	NS	P/F of MS footrest, 20mm round nipple by chipping of concrete & welding to the reinforcement making good the surface all compete as per the direction of Engineer-in-Charge including Epoxy painting	nos	40		
16	NS	P/L 2 layers of FRP (Fiber Reinforced each layer having thickness 0.8 mm including cleaning of surface, drying of surface were FRP have to be laid, making even the surface including flushing with the top of the tank, providing overlap all complete as per the direction of Engineer-in-Charge)	sqm	270		
17	NS	Supply/ stacking/ spreading of stone dust including compaction upto all lead	cum	25		
		TOTAL				

Contractor