

BILL OF QUANTITY

Name of work: Construction of shed for installation of equipment at Technology Complex in IITG Campus.

Item No.	Description of items	Unit	Qty	Rate in Figure (₹)	Rate in Words	Amount (₹)
1	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.					
	(a) All kinds of soil.	Cum	10.50			
2	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	cum	6.600			
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :					
	(a) 1:4:8 (1 Cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size)	Cum	0.700			
	(b) 1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size)	Cum	2.200			
4	Centering and shuttering including strutting, propping etc. and removal of form for all heights :					
	(a) Foundations, footings, bases of columns, etc. for mass concrete	Sqm	8.60			
	(b) Lintels, beams, plinth beams, girders, bressumers and cantilevers	Sqm	8.10			

5	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :					
	(a) 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III): 3 graded stone aggregate 20 mm nominal size).	Cum	1.70			
6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.	kg	190.00			
7	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:					
	(a) Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	1.90			
8	Providing flat brick soling under floor with bricks of class designation 7.5 on a bed of 12 mm cement mortar, including filling the joints with same mortar 1:6 (1cement : 6 coarse sand), with common burnt clay non modular bricks:	Sqm.	26.50			
9	52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.	Sqm	22.00			
10	15 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement on the rough side of single or half brick wall.	Sqm	8.50			
11	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	345.00			

12	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineerin- charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	Sqm	35.00			
13	Providing and fixing G.I. chain link fabric fencing of required width in mesh size 50x50 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge.					
	Made of G.I. wire of dia 4 mm	Sqm	65.00			
14	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.					
	(a) In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	Kg	250.00			
15	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :					
	(a) Two or more coats on new work	Sqm	75.00			
	Total Amount =					
	Rebate if Any =					
	Total amount after Rebate =					
	Rounded off =					

(Rupees Only)