

Bill of Quantity						
Name of Work : Construction of Car Parking shed (capacity 4 cars) for 4 Blocks D-type Building having Quarters no D-75 to D-102 in IITG campus"						
Item no	Description of items	Unit	Qty.	Rate(Rs)		Amount (Rs)
				In Figure	In Words	
Earth Works						
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 All kinds of soil	Cum	8.73			
2	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete	Cum	23.10			
PLAIN CEMENT CONCRETE WORK:						
3	Providing and laying cement in footings, and plinth bases for column excluding cost of centering and shuttering in proportion 1:2: 4(1 cement : 2 coarse sand : 4 grade stone aggregate 20mm nominal size)	Cum	1.23			
CENTERING AND SHUTTERING:						
4	Centering and shuttering including strutting, propping etc. and removal of form work for					
	a) Foundations, footings, bases for columns	Sqm	11.60			
	b) Columns, piers, abutments, pillars, posts and struts	Sqm	6.00			
REINFORCEMENT:						
5	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto all level.					
	Thermo-Mechanically Treated bars. (TATA Fe 500 Super Ductile)	Kg	119.12			

no	Description of items	Unit	Qty.	In Figure	In Words	Amount (Rs)
R.C.C. Work						
6	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement . 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)					
	a) All work up to plinth level	Cum	1.06			
	b) All works above plinth level upto floor V level.	Cum	0.38			
BRICK WORK:						
7	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:Cement mortar 1:4 (1 cement : 4 coarse sand)	Cum	5.85			
8	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level	Sqm	15.00			
STEEL WORK						
9	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	965.69			
FLOORING & SKIRTING :						
10	Providing flat brick soling under floor including packing with coarse sand and watering etc. complete as directed with bricks class designation-75 in cement mortar in proportion 1:4 including curing complete as specified and as directed.	Sqm	91.00			

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11	62 mm thick cement concrete flooring with concrete hardener topping, under layer 50 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer 12mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate, 6mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacture's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete	Sqm	91.00			
FINISHING:						
12	15mm thick cement plaster on rough side of single or half brick wall of Mix 1:4 (1 cement : 4 fine sand).	Sqm	30.00			
13	15 mm cement plaster on rough side of single or half brick wall finished with a floating coat of neat cement of mix : (1cement: 3 fine sand)	Sqm	8.10			
14	Finishing walls with textured exterior paint of required shade.New work (Two or more coats applied @ 3.28 ltr/10 sqm) overand including priming coat of exterior primer applied @ 2.20kg/10 sqm.	Sqm	30.00			
15	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:	Sqm	114.00			
ROOFING:						

no	Description of items	Unit	Qty.	In Figure	In Words	Amount (Rs)
16	Providing and fixing pre-coated 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 Engineer-in-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	100.75			
	Total Rs =					
	Rebate if any.....% =					
	Total after rebate =					
	Say Rs. =					