

BILL OF QUANTITIES

Name of Work : "Re-Construction of Dustbin at Dhansiri Hostel, B-type Quarter (For Qtr no B-71 to B-98) and IITG Hospital in IITG Campus."

Item no	Description of items	Unit	Qty.	Rate in (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	4.87			
2	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete	Cum	2.63			
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	3.84			
CENTERING AND SHUTTERING:						
4	Centering and shuttering including strutting, propping etc. and emoval of form work for					
a	Foundations, footings, bases for columns	Sqm	3.84			
b	Lintels, beams, plinth beams, girders, bressumers and cantilevers	Sqm	12.00			
c	Columns, piers, abutments, pillars, posts and struts	Sqm	12.80			
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	227.01			
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	a) All work up to plinth level	Cum	1.04			
b	b) All works above plinth level upto floor V level.	Cum	0.98			

	BRICK WORK:					
7	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	36.83			
	STEEL WORK					
8	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Hot finished welded type tubes	Kg	226.36			
9	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.Fixed to steel windows by welding	Kg	480.57			
	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	32.79			
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	21.27			
	Tiles Works:					
12	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	Sqm	23.32			
13	Providing and fixing 1st quality ceramic glazed floor tiles conforming to IS : 15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete	Sqm	31.40			

	FINISHING:					
14	15mm thick cement plaster on rough side of single or half brick wall of Mix 1:4 (1 cement : 4 fine sand).	Sqm	72.41			
15	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	29.97			
16	Finishing walls with Acrylic Smooth exterior paint of required shade : 13.46.1 New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	Sqm	66.75			
17	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:	Sqm	49.81			
	ROOFING:					
18	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	26.79			
19	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, 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 using self drilling/ self tapping screws complete :					
a	Ridges plain (500 - 600mm)	metre	6.00			
b	Crimp curve	Sqm	5.70			

20	Providing and fixing hard drawn steel wire fabric of size 75 x25 mm mesh or other suitable size wire mesh to be fixed & firmly anchored to the concrete surface by means of "L" shaped mild steel shear key welded with existing einforcement including the cost of materials, labour, tool & plants as approved by Engineer-in-charge	Sqm	7.29			
		Total =				
		Rebate if any =				
		Total after rebate =				

Seal

(Signature of the tenderer)