

BILL OF QUANTITY

Name of the work: **Construction of 100 seated Hostel building for SC & ST
At-Gabagan Sevasrama, Kusuda, Bhograi Block**

SL No.	Description of Items	Unit	Quantity	Rate in figures	Rate in words
1	2	3	4	5	6
1	Double undering pile foundation with RCC M-20 excluding cost of steel and labour charges for cutting bending and binding of steel				
A	250 m.m dia pile of 8meter length 22 nos of group pile @ 4each =88	Each	88		
B	300 m.m dia pile of 8meter length 14 nos of group pile @ 2each =28	Each	28		
2.	Earthwork in excavation of foundation in hard soil or gravelly soil except sheet rock requiring blasting to proper profile with all leads, lifts and delifts to proper section and profile including dressing and leveling the bed up to required depth and making it fit for laying concrete and depositing the excavated materials away from the work site with all leads and lifts including dewatering if necessary from foundation complete as directed by Engineer-in-Charge.	One Hundred Cubic Meter	53.78		
2.	Filling in foundation and plinth with sand, watered and rammed including cost, conveyance & royalty of materials with labour and T&P required for the work.	One Cubic Meter	115.37		
3.	Cement concrete of proportion (1:4:8) with 40mm & down graded size hand broken H.G. metal for foundation concrete approved quality from approved quarry including hoisting, lowering and laying concrete to the required level ramming, watering, curing etc. complete including cost, conveyance & royalty of materials with all labour charges.	One Cubic Meter	32.39		
4.	Brick work with 1st class K.B. Bricks in cement mortar (1:6) in F&P of size 10"x5"x3" having crushing strength not less than 75 kg/cm ² with dimensional tolerance ± 8% including splays cutting circular moulding chamfering and corbelling and similar such type of works with all necessary projections watering and curing after immersing the bricks in water at least for six hours before use including cost, conveyance & royalty of materials with labour charges etc complete in all respect in all floors.	One Cubic Meter	11.25		
5.	Brick work with 1st class K.B. Bricks in cement mortar (1:6) in superstructure of size 10"x5"x3" having crushing strength not less than 75 kg/cm ² with dimensional tolerance ± 8% including splays cutting circular moulding chamfering and corbelling and similar such type of works with all necessary projections watering and curing after immersing the bricks in water at least for six hours before use including cost, conveyance & royalty of materials with labour charges etc complete in all respect in all floors.				
	Ground Floor	One Cubic Meter	74.51		
	First Floor	One Cubic Meter	72.88		

1	2	3	4	5	6
6	Brick work with 1st class K.B. Bricks in cement mortar (1:4) in superstructure of size 10"x5"x3" having crushing strength not less than 75 kg/cm ² with dimensional tolerance ± 8% including splays cutting circular moulding chamfering and corbelling and similar such type of works with all necessary projections watering and curing after immersing the bricks in water at least for six hours before use including cost, conveyance & royalty of materials with labour charges etc complete in all respect in all floors.				
	Ground Floor	One Cubic Meter	5.09		
	First Floor	One Cubic Meter	5.09		
7.	RCC M-20 work with cement concrete C.C.(1:1½:3) with crushed granite 20mm down grade course aggregate of approved quality mixing by concrete mixer including hoisting, lowering and laying the concrete in position to proper slope and level and compacting by Vibrators in layers .not exceeding 0.15m depth including watering, curing for required period 28 days, centering & shuttering and finishing exposed surface smooth providing grooves wherever necessary including cost, conveyance, royalty and other taxes of all materials labour, T&P materials required for this item including hire and running charges of the machineries complete as directed by the Engineer-in-charge.				
	Ground Floor				
(A)	Pile & Pile cap	One Cubic Meter	43.61		
(B)	Grade Beam	One Cubic Meter	7.25		
(C)	Column & Beam	One Cubic Meter	24.10		
(D)	Lintel band	One Cubic Meter	5.22		
(E)	Chajja	One Cubic Meter	1.67		
(F)	Stair case	One Cubic Meter	1.94		
(G)	Roof Slab	One Cubic Meter	29.39		
	First Floor				
(A)	Column & Beam	One Cubic Meter	15.90		
(B)	Lintel band	One Cubic Meter	3.81		
(C)	Chajja	One Cubic Meter	1.08		
(D)	Stair Case	One Cubic Meter	1.94		
	Roof Slab	One Cubic Meter	19.91		

SL No.	Description of Items	Unit	Quantity		
1	2	3	4	5	6
8.	Straightening bent up or coiled M.S. rod or HYSD steel (Fe- 415), cutting, bending, cracking, hooking, welding or jointing (if required), the M.S rod or HYSD steel and binding, tying the grills, hoisting, lowering and placing in proper position as required for RCC works including cost, conveyance and taxes of M.S. rod or HYSD steel and binding wires of 18 to 20 gauge and labour charges required for the work etc complete in all floors.				
	Ground Floor	One Quintal	173.57		
	First Floor	One Quintal	46.90		
9.	16mm ($\frac{5}{8}$ ") thick cement plaster (1:6) finishing smooth to inside rough surface of 9"/10" thick brick walls after racking out the joint including watering and curing with cost, conveyance, royalties and taxes of all materials and cost of all labour charges required for the work etc complete.				
	Ground Floor	One Square Meter	602.63		
	First Floor	One Square Meter	463.04		
10.	12mm ($\frac{1}{2}$ ") thick cement plaster (1:6) finishing smooth to outside smooth surface of brick walls after racking out the joint including watering and curing with cost, conveyance, royalties and taxes of all materials and cost of all labour charges required for the work etc complete.				
	Ground Floor	One Square Meter	352.46		
	First Floor	One Square Meter	376.96		
11.	6 mm thick cement plaster in cement mortar (1:4) to RCC surface finished smooth including deep chipping and slurry treatment including punning including cost, conveyance & royalty of materials.				
	Ground Floor	One Square Meter	270.42		
	First Floor	One Square Meter	178.54		

SL No.	Description of Items	Unit	Quantity		
1	2	3	4	5	6
12.	Supplying, fitting and fixing of PVC door in position as per approved design and specification with cost, conveyance, taxes of all materials, labour, T&P etc. required for the complete in all respect.				
	Ground Floor	One Square Feet	175.00		
	First Floor	One Square Feet	175.00		
13.	12mm (½") thick cement plaster (1:4) finished smooth to brick work with neat cement punning for skirting and dados after racking out joints including watering and curing with cost and conveyance, royalties and taxes of all materials and labour charges required for the work etc complete.				
	Ground Floor	One Square Meter	34.19		
	First Floor	One Square Meter	25.16		
14.	2.5 cm (1") thick A.S. flooring with cement concrete (1:2:4) laid to proper slope using 12 mm size black hard crusher broken HG chips of approved quality from approved quarry including the corners and watering, curing with cost, conveyance & royalty of materials and all labour charges required for the work.				
	Ground Floor	One Square Meter	185.11		
	First Floor	One Square Meter	115.72		
15	Providing and fixing sal wood chou katha in all floors for doors windows and ventilators etc including cost of all labours materials T&P taxes to royalty actual sale tax etc. cutting groups in frames for shutters fitting and fixing the joint with glue and putty where found necessary sand papering and coasting back etc as by engineering chief				
	Ground Floor	Cum	1.057		
	First Floor	Cum	0.72		
16.	Providing and fixing ISI Marked Flush Door Shutters conforming to IS 2202(Part-I) decorative type core of Black Board construction frame of 1 st Class and mood and well matched take 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters .				
	Ground Floor & First Floor	Square Meter	64.25		

SL No.	Description of Items	Unit	Quantity		
1	2	3	4	5	6
17	Supplying fitting & fixing of window M.S. Grills including cost convince labour taxes etc.	KG	932		
18.	Supplying fitting & fixing of ceramic floor tiles in floors, treads or steps and landing on 25 mm thick bed of C.M(1:1) (1cement :1sand) jointed with neat cement slurry mixed with pigment to match the shades of the tiles including rubbing and polishing complete including cost of precast tiles with cost, conveyance & royalty of materials and all labour charges required for the work.				
	Ground Floor	One Square Meter	28.66		
	First Floor	One Square Meter	28.66		
19.	Supplying fitting & fixing the tiles in dados skirting risers of on 12 mm thick C.P. (1:3) jointed with neat cement Slurry mixed with pigments to match the shades Of the tiles including rabbing and polishing Complete including cost of pre-cast tiles with cost, conveyance & royalty of materials and all labour charges required for the work..				
	Ground Floor	One Square Meter	84.54		
	First Floor	One Square Meter	78.87		
20.	Finishing walls with cement washing to plastered surface of wall with approved shade with one coats to give an even shade including cost of paint and cost of all labour with T&P.				
	Ground Floor	One Square Meter	1225.51		
	First Floor	One Square Meter	1061.15		
21.	Painting two coats over one coat of priming with ready mixed zinc chromate yellow primer of approved brand on wood work including labour & material charges.				

	Ground Floor	One Square Meter	142.4 2		
	First Floor	One Square Meter	87.04		
SL No.	Description of Items	Unit	Quantity		
1	2	3	4	5	6
22	Distempering two coats with any approved shade over the interior surface of wall etc as directed by Engineer-in- Charge using synthetic distemper including cost, conveyance of all materials including cost of distemper with all taxes and cost of all labour required.				
	Ground Floor	One Square Meter	754.3 2		
	First Floor	One Square Meter	580.1 6		
23.	Providing painting with two coat of water proofing exterior weather coat part of required set to walls over a coat of priming including all taxes of material etc				
	Ground Floor	One Square Meter	352.4 6		
	First Floor	One Square Meter	376.9 6		
24.	20 mm thick grading plaster in CM (1:6) on roof slab on new work including cost, conveyance & royalty of materials.				
	Ground Floor	One Square Meter	32.7 4		
	First Floor	One Square Meter	215. 85		
	Total				
Total number of items 24(Twenty Four)					

Addl. Project Director(Tech)
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