

**Bill of quantities for the Proposed Construction of Hostel building for  
M/s. INDIAN ACADEMY OF SCIENCES at Bangalore.**

**CIVIL WORKS**

Sl.No.	ITEM	UNIT	QTY	RATE	AMOUNT
<b>A</b>	<b><u>EARTHWORK</u></b>				
1	<b>Surface excavation</b> in all soils not exceeding <b>30cms</b> deep and averaging <b>30cms</b> deep including getting out etc., all complete as directed by the Engineer-in-Charge.	Cum	91.57		
2	<b>Earth work excavation</b> over areas in all soils of depth not exceeding <b>1.50mtrs.</b> and dumping the earth not more than 50 mtrs etc., complete for column foundation etc., all complete as directed by the Engineer-in-Charge.				
	a) For footings	Cum	222.67		
	b) For foundation	Cum	18.44		
3	<b>all as above item no.2</b> but depth of excavation <b>exceeding 1.50mtrs but not exceeding 3.00mtrs</b> including providing and removing timbering as planking, strutting, open poling boards as may be necessary, etc., all complete as directed by the Engineer-in-Charge.	Cum	Rate only		
4	<b>Refilling</b> in sides of foundation /trenches, etc., with excavated earth in layers of 25cms thick including consolidation etc., all complete as directed by the Engineer-in-Charge.				
	i) For Footings	Cum	141.67		
	ii) For Foundations	Cum	7.28		
	iii) For Floor area	Cum	86.95		
5	<b>Supplying, filling and spreading good earth</b> of approved quality free from logs, stumps, roots, rank vegetation, clay lumps, marshes, salt bags, etc., or other deleterious substances etc., all complete as directed by the Engineer-in-Charge.	Cum	Rate only		
6	Providing <b>Pre Construction Anti-Termite Treatment</b> conforming to I.S.6313 with Chlorophyriphos Emulsifiable concentrate conforming to IS-3944 in multiple stages as specified in M.E.S. S.S.R 1996 against excavation trade, including furnishing performance guarantee for satisfactory performance for the period of five years, executed on a stamp paper of value Rs. 100/- etc., all complete as directed by the Engineer-in-Charge. (Plinth area of the building portion will be measured for payment).	Sqm	219.86		

Sl.No.	ITEM	UNIT	QTY	RATE	AMOUNT
<b>B</b>	<b>CONCRETE</b>				
	<b>(Basic cost of cement = Rs. 335/- per bag)</b>				
	Note: The charges for Cube tests of concrete will be borne by the contractor once and other subsequent tests will be reimbursed.				
7	Supplying, mixing and placing <b>cement concrete (1:4:8)</b> using 40mm graded granite aggregated thickness as required including compacting, curing, formwork etc., complete as directed by the Engineer-in-Charge.				
	i) Below footings	Cum	20.23		
	ii) Below foundation	Cum	1.98		
	iii) Below flooring, ramp and flagging	Cum	21.98		
8	Supplying, mixing and placing in position <b>cement concrete M 15 (1:2:4)</b> using 20mm graded granite aggregated thickness as ordered including compacting, curing, formwork, etc, complete for <b>all cills projections (75mm thick)</b> as shown in the North and South elevations, all complete as directed by the Engineer-in-Charge.				
	i) Ground floor	Sqm	4.89		
	ii) First floor	Sqm	3.15		
	iii) Second floor	Sqm	3.15		
	iv) Third floor	Sqm	3.15		
	v) Terrace floor	Sqm	3.37		
9	Supplying, mixing and placing in position at all levels consolidated and cured as specified controlled grade <b>cement concrete M-20</b> (Minimum Cement content = 315 Kg/ cum) using 20mm graded granite aggregate in sub items below including formwork, compaction, hacking the surface to secure plastering where required, etc., complete all as directed by the Engineer-in-Charge. Design mix to be got approved by the contractor before execution. Very old / non suitable centering materials for formwork decided by the Engineer -in-charge will not be allowed. (Reinforcement shall be paid separately).				
	i) For Footings	Cum	80.71		
	ii) For Pedestals	Cum	16.04		
	iii) For Plinth beams	Cum	10.95		
	<b>Ground floor</b>				
	i) Column Shaft	Cum	12.83		
	ii) For lintel beams	Cum	2.19		
	iii) For Chejjas	Sqm	8.10		
	iv) For staircase				
	a) For internal staircase (Folded plate type)	Cum	1.25		
	b) For fire escape staircase (Waist slab type)	Cum	1.99		
	v) For roof beams	Cum	14.00		
	vi) For roof slab, balcony slab, canopy slab, etc.	Cum	33.00		
	viii) For rcc pergolas	Cum	1.38		
	<b>First floor</b>				
	i) Column Shaft	Cum	12.83		
	ii) For lintel beams	Cum	3.15		
	iii) For staircase				

Sl.No.	ITEM	UNIT	QTY	RATE	AMOUNT
	a) For internal staircase (Folded plate type)	Cum	1.25		
	b) For fire escape staircase (Waist slab type)	Cum	1.60		
	iv) For roof beams	Cum	14.00		
	v) For roof slab, balcony slab, etc.	Cum	33.00		
	<b>Second floor</b>				
	i) Column Shaft	Cum	12.83		
	ii) For lintel beams	Cum	3.15		
	iii) For staircase				
	a) For internal staircase (Folded plate type)	Cum	1.25		
	b) For fire escape staircase (Waist slab type)	Cum	1.60		
	iv) For roof beams	Cum	14.00		
	v) For roof slab, balcony slab, etc.	Cum	33.00		
	<b>Third floor</b>				
	i) Column Shaft	Cum	12.83		
	ii) For lintel beams	Cum	3.15		
	iii) For staircase				
	a) For internal staircase (Folded plate type)	Cum	1.25		
	b) For fire escape staircase (Waist slab type)	Cum	1.60		
	iv) For rcc pergolas	Cum	2.19		
	v) For roof beams	Cum	14.00		
	vi) For roof slab, balcony slab, etc.	Cum	33.00		
	<b>Quote RMC rates with water proof compound for above 2 items only.</b>				
	<b>Terrace floor (Staircase headroom, lift and OHT area)</b>				
	i) Column Shaft	Cum	6.15		
	ii) For lintel beams	Cum	0.90		
	iii) For Roof beams	Cum	1.98		
	iv) For Roof slab (With water proof compound)	Cum	5.56		
	<b>Coping concrete (100 mm thick)</b>				
	i) Above parapet	Smt	3.29		
10	Supplying, placing and fixing <b>RCC railing</b> with precast balustrades, cast-in-situ handrail as per architectural design and drawing including curing, formwork, scaffolding, etc, complete <b>for Fire escape staircase</b> , all complete as directed by the Engineer-in-Charge.				
	i) Ground floor	Sqm	9.97		
	ii) First floor	Sqm	30.49		
	iii) Second floor	Sqm	30.49		
	iv) Third floor	Sqm	31.25		
<b>C</b>	<b><u>SIZE STONE MASONRY</u></b>				
11	Providing and constructing <b>Size stone masonry</b> (Granite) with cement mortar (1:6) in courses not less than 15cms high with bond stones at 1.5mtrs apart in each course, solidly hearted, raking out joints 10mm deep and scaffolding, curing etc., complete <b>for foundation</b> as directed by the Engineer-in-Charge.	Cum	30.32		

Sl.No.	ITEM	UNIT	QTY	RATE	AMOUNT
12	Providing <b>face work</b> by providing one line dressing for 25mm and 50mm depth respectively in foundation including faces of stone hammer dressed to a maximum depression of 40mm and quoin dressing (two line) 25mm wide each, etc., all complete as directed by the Engineer-in-Charge.	Sqm	13.71		
<b>D</b>	<b>BLOCK MASONRY WORK:</b>				
13	Block work with solid cement blocks built in cement mortar (1:6) for superstructure at all levels for <b>20cm thick walls</b> including raking out joints 10mm deep scaffolding, curing etc., all complete as directed by the Engineer-in-Charge. (Block conforming to IS having compressive strength not less than 35Kgs/ Sq.cms) (Basic cost= Rs. 30/- per block)				
	i) Ground floor	Sqm	135.40		
	ii) First floor	Sqm	207.87		
	iii) Second floor	Sqm	207.87		
	iv) Third floor	Sqm	207.87		
	v) Terrace floor	Sqm	188.04		
14	Block work with solid cement blocks built in cement mortar (1:6) for superstructure at all levels for <b>15cm thick walls</b> including raking out joints 10mm deep scaffolding, curing etc., all complete as directed by the Engineer-in-Charge. (Block conforming to IS having compressive strength not less than 35Kgs/ Sq.cms) (Basic cost= Rs. 24/- per block)				
	i) Ground floor	Sqm	25.50		
	ii) First floor	Sqm	25.50		
	iii) Second floor	Sqm	25.50		
	iv) Third floor	Sqm	25.50		
	v) Terrace floor	Sqm	15.83		
15	Block work with solid cement blocks conforming to I.S having compressive strength not less than 35Kgs/Sq.cms built in cement mortar (1:4) <b>for 10cm thick walls</b> including raking out joints 10mm deep, placing of reinforcement as specified, scaffolding, curing, etc., all complete as directed by the Engineer-in-Charge. (Reinforcement will be paid separately) (Basic cost = Rs. 20/- per block)				
	i) Ground Floor	Sqm	221.63		
	ii) First floor	Sqm	221.63		
	iii) Second floor	Sqm	221.63		
	iv) Third floor	Sqm	221.63		

Sl.No.	ITEM	UNIT	QTY	RATE	AMOUNT
<b>E</b>	<b>STEEL</b>				
	<b>(HYSD STEEL)</b>				
	<b>(Basic cost = Rs. 50,000/- per M.T.)</b>				
16	Supplying, fabrication and fixing in position as per approved design MS rounds/ tor steel for <b>steel reinforcement</b> cut to length, bent to shape required, cranking, hooking ends etc., including binding with 0.90mm dia (soft drawn) MS wire etc., all complete as directed by Engineer-in-Charge. <b>(NOTE : Laps &amp; Wastage will not be measured for payment)</b>				
	i) Ground Floor				
	a) For Sub-structure	M.T	11.20		
	b) For Super-structure	M.T	13.80		
	ii) First floor	M.T	9.50		
	iii) Second floor	M.T	9.50		
	iv) Third floor	M.T	9.50		
	v) Terrace floor OHT area	M.T	3.25		
	<b>(STRUCTURAL STEEL)</b>				
	<b>(Basic cost = Rs. 58,000/- per M.T.)</b>				
17	Supplying, fabricating and fixing in position <b>M.S. Tubular sections for terrace roof truss</b> confirming to IS standards as per Structural design and drawing including cutting, welding, bending to shape required and including painting with one coat of epoxy primer of approved manufacture & make after preparation of surface in accordance to IS 1477, etc., all complete as directed by the Engineer-in-Charge.(Wastage will not be measured for payment) Note: No splice joints shall be provided in between the span.	M.T	6.00		
	a) Same as above but <b>vertical cross struts for elevation purpose</b> with 75mm dia M.S pipe as per architectural design and drawing, etc complete and as directed by the Engineer-in-Charge.	Rmt	27.00		
18	Supplying, fabricating and fixing in position <b>Railing for Staircase</b> of approved design made up of 2.5" & 1.5" dia M.S.Tubular sections, M.S.Flats, etc., with 2.5" dia pipe fixed to wall with 1.5" dia bracket pipe for staircase including cutting, welding, bending to shape required and painting with one coat of epoxy primer of approved manufacture & make after preparation of surface in accordance to IS 1477, etc., all complete single as directed by the Engineer-in-Charge.(Wastage will not be measured for payment) For entrance steps and cutout areas				
	i) Ground Floor	Smt	4.27		
	ii) First floor	Smt	3.67		
	iii) Second floor	Smt	3.67		
	iv) Third floor	Smt	1.67		

Sl.No.	ITEM	UNIT	QTY	RATE	AMOUNT
	Same as above item but with Single pipe with support at every 1m c/c				
	i) Ground Floor	Rmt	6.60		
	ii) First floor	Rmt	14.40		
	iii) Second floor	Rmt	14.40		
	iv) Third floor	Rmt	14.40		
<b>F</b>	<b><u>JOINERY</u></b>				
19	<b>Supplying, fabricating and fixing 5"x3" section II class hard wood (Sal wood) door frame ONLY, chowkats as per approved design, framed, rebated on the solid, rounded or chamfered, put together with glue, pinned at joints fixed to wall with minimum of 3 clamps embedded in 1:2:4 C.C excluding carving with all necessary fixtures and fittings etc., complete all as directed by the Engineer-in-Charge for all doors.</b>				
	i) Ground Floor	Rmt	81.25		
	ii) First floor	Rmt	108.80		
	iii) Second floor	Rmt	108.80		
	iv) Third floor	Rmt	108.80		
	v) Terrace floor	Rmt	12.45		
20	<b>Fixing of supplied shutter to wooden frame work 30mm thick Masonite shutters with all necessary fixtures and fittings i.e 3 nos of powder coated hinges, one aldrop, 3 iodized aluminium tower bolts, door stopper, etc., complete all as directed by the Engineer-in-Charge. (Painting paid separately)</b>				
	<b>FOR OTHER DOORS</b>				
	i) Ground Floor	Sqm	15.12		
	ii) First floor	Sqm	22.68		
	iii) Second floor	Sqm	22.68		
	iv) Third floor	Sqm	22.68		
	v) Terrace floor	Sqm	-		
	<b>FOR DOOR CUM WINDOW (For Fire Exit)</b>				
	Same as above item but with Door frame and masonite shutter, window with 5mm thick fully glazed shutter, etc complete.				
	i) Ground Floor	Sqm	2.20		
	ii) First floor	Sqm	2.20		
	iii) Second floor	Sqm	2.20		
	iv) Third floor	Sqm	2.20		
	v) Terrace floor	Sqm	4.72		
	<b>FOR TOILET DOORS</b>				
	i) Ground Floor	Sqm	9.45		
	ii) First floor	Sqm	9.45		
	iii) Second floor	Sqm	9.45		
	iv) Third floor	Sqm	9.45		

Sl.No.	ITEM	UNIT	QTY	RATE	AMOUNT
21	Supplying, fabricating and fixing of <b>Fenesta make Sliding UPVC Multichambered profile windows</b> with water drainage facility. The colour of the profiles shall be of natural colour ( white ) with suitable U V resistance. The profiles used for the outer frame, shutter and mullions shall be reinforced with Galvanized Iron steel. The outer frame profile shall be of size 80 x 52 x 2.2 mm, and shutter of size 66 x 37 x 2.2 mm, The Multichambered profiles are to have fusion welded corner joints. Shutters are fixed with EPDM gaskets to ensure air tightness. Aluminum Rail will be provided on the outer frame to ensure smooth closing of the shutter. Glazing will be done with 5 mm thick glass. Window will be fixed to Masonry opening with anchor fasteners. The gap between wall and windows frame is filled with expandable foam and sealed with Dowcon, GE or equivalent silicon sealant, all complete as approved, specified and directed by the Engineer-in-Charge.				
	i) Ground Floor	Sqm	15.12		
	ii) First floor	Sqm	8.64		
	iii) Second floor	Sqm	8.64		
	iv) Third floor	Sqm	8.64		
	v) Terrace floor	Sqm	17.28		
22	same as above item but <b>ventilators</b> with louvers, etc., all complete as directed by the Engineer-in-Charge.				
	i) Ground Floor	Sqm	11.34		
	ii) First floor	Sqm	11.34		
	iii) Second floor	Sqm	11.34		
	iv) Third floor	Sqm	11.34		
	iv) Stair case head room	Sqm	-		
23	same as above item No. but <b>openings</b> with double shutters etc., all complete as directed by the Engineer-in-Charge.				
	i) Ground floor Main entrance door with double shutter	Sqm	3.15		
24	same as above item No. but <b>for Louvers</b> to cover sanitary ducts, as per architectural design and drawing including fixing in position, scaffolding, with fixed glazing etc., all complete as directed by the Engineer-in-Charge.	Sqm	95.52		
25	Supplying, fabricating and fixing in position <b>M.S. grill for windows and ventilators</b> of approved design made up of M.S.Structurals confirming to IS 1977 such as M.S.Square/round bars, M.S.Flats, M.S.Angles etc., fixed to wall and with a coat of approved zinc chromate primer etc., all complete as specified and directed by the Engineer-in-Charge. (Not exceeding 1.60 kg per Sft) (Brite bars of 10 mm Sq. rods to be used as per architectural design and drawing)				
	i) Ground Floor	Sqm	26.46		
	ii) First floor	Sqm	19.98		
	iii) Second floor	Sqm	19.98		

Sl.No.	ITEM	UNIT	QTY	RATE	AMOUNT
	iv) Third floor	Sqm	19.98		
	v) Terrace floor	Sqm	17.28		
<b>G</b>	<b>PLASTERING</b>				
26	Cement mortar (1:4) plastering 10mm thick over concrete surface finished even and smooth with trowel including lime rendering <b>for internal ceiling</b> including scaffolding curing etc., all complete as directed by the Engineer-in-Charge.				
	i) Ground floor	Sqm	171.14		
	ii) First floor	Sqm	182.45		
	iii) Second floor	Sqm	182.45		
	iv) Third floor	Sqm	182.45		
	v) Terrace floor	Sqm	32.15		
27	Cement mortar (1:6) plastering 15mm thick for brick/concrete surfaces, finished smooth with trowel including lime rendering <b>for interior faces of walls</b> including scaffolding, curing etc., all complete as directed by the Engineer-in-Charge.				
	i) Ground floor	Sqm	764.81		
	ii) First floor	Sqm	729.38		
	iii) Second floor	Sqm	729.38		
	iv) Third floor	Sqm	729.38		
	v) Terrace floor	Sqm	256.42		
28	Cement mortar (1:6) plastering 15mm thick for brick/concrete surfaces, fair sponge finish <b>for exterior surfaces of walls</b> including scaffolding, curing etc., all complete as directed by the Engineer-in-Charge.				
	i) Ground floor	Sqm	260.46		
	ii) First floor	Sqm	318.17		
	iii) Second floor	Sqm	318.17		
	iv) Third floor	Sqm	318.17		
	v) Terrace floor (including parapet wall)	Sqm	187.32		
29	Cement mortar (1:4) plastering 15mm thick for brick/concrete surfaces, fair finish <b>for exterior surfaces of ceiling</b> including scaffolding, curing etc., all complete as directed by the Engineer-in-Charge.				
	i) Ground floor	Sqm	25.82		
	ii) First floor	Sqm	35.00		
	iii) Second floor	Sqm	35.00		
	iv) Third floor	Sqm	35.00		
	v) Terrace floor	Sqm	13.47		
30	Cement mortar (1:6) plastering 15mm thick for staircase bottom surfaces, finished smooth with trowel including lime rendering <b>for Folded Staircase bottom and side faces</b> including scaffolding, curing etc., all complete as directed by the Engineer-in-Charge.				
	i) Ground floor	Sqm	12.88		
	ii) First floor	Sqm	12.88		
	iii) Second floor	Sqm	12.88		



Sl.No.	ITEM	UNIT	QTY	RATE	AMOUNT
	iv) Third floor	Sqm	12.88		
	same as above item No. but <b>for pergolas.</b>				
	i) Ground floor	Sqm	26.67		
	ii) Terrace floor	Sqm	40.50		
31	<b>Plastering Bands</b> 3" to 6" width with cement mortar (1:4) to required thickness on concrete/brick surface finished smooth including curing etc., all complete as directed by the Engineer-in-Charge.	Rmt	Rate only		
32	Providing <b>Water proofing Treatment for balcony sunken portions and toilet</b> by recommended waterproofing agencies, etc complete. as directed by the Engineer-in-Charge.				
	<b>a) For toilets (Including core cut portions)</b>				
	i) First Floor	Sqm	52.38		
	ii) Second Floor	Sqm	52.38		
	iii) Third floor	Sqm	52.38		
33	Providing <b>water proof cement plastering for balcony floors</b> in CM 1:4 of 20mm thick with recommended water proof compound etc., complete as directed by the Engineer-in-Charge.				
	i) First Floor	Sqm	52.38		
	ii) Second Floor	Sqm	52.38		
	iii) Third floor	Sqm	52.38		
34	Providing and laying <b>light weight cinder for balcony sunken portions</b> including ramming, etc complete as directed by the Engineer-in-Charge.(Filling: 125mm deep)				
	i) First Floor	Sqm	38.88		
	ii) Second Floor	Sqm	38.88		
	iii) Third floor	Sqm	38.88		
35	Providing and laying <b>balcony sunken portions with a pcc lean mix 1:3:6 screed concrete</b> finish 50mm thick with 10mm and down size aggregates, etc complete. as directed by the Engineer-in-Charge.				
	i) First Floor	Sqm	38.88		
	ii) Second Floor	Sqm	38.88		
	iii) Third floor	Sqm	38.88		
36	Cement mortar (1:4) plastering 15mm thick for chejja top surfaces, smooth cement powder laid and finished with brush <b>for exterior top surfaces of chejja</b> including scaffolding, curing etc., all complete as directed by the Engineer-in-Charge.				
	i) Ground floor	Sqm	8.77		
37	Providing and finishing <b>150mm high facia above the top of the chejja</b> with cement mortar (1:4) plastering 15mm thick for chejja facia surface, fair sponge finish including scaffolding, curing etc., all complete as directed by the Engineer-in-Charge.				
	i) Ground floor	Rmt	21.30		

Sl.No.	ITEM	UNIT	QTY	RATE	AMOUNT
<b>H</b>	<b>FLOORING</b>				
38	Supplying and laying <b>Vitrified tiles flooring</b> of approved colour and manufacture of size <b>(600x600x10)mm</b> or any other recommended size over cement mortar (1:4) minimum 15mm thick, joints set and pointed with coloured cement to match with that of tiles, curing, etc., complete for <b>Rooms, Walk-in-wardrobe and Corridor floor areas</b> as directed by the Engineer-in-Charge. <b>(Basic cost = Rs. 80/- per sft)</b>				
	i) Ground floor	Sqm	163.45		
	ii) First floor	Sqm	149.78		
	iii) Second floor	Sqm	159.36		
	iv) Third floor	Sqm	159.36		
	v) Terrace floor	Sqm	177.78		
39	Supplying and laying <b>Vitrified tiles skirting 100 mm high</b> of approved colour and manufacture cut from size <b>(600x600x10)mm</b> or any other recommended size over cement mortar (1:4) minimum 15mm thick, joints set and pointed with coloured cement to match with that of tiles, curing, etc., complete for <b>Rooms, Walk-in- wardrobe and Corridor areas</b> as directed by the Engineer-in-Charge. <b>(Basic cost = Rs. 80/- per sft)</b>				
	i) Ground floor	Rmt	158.44		
	ii) First floor	Rmt	143.39		
	iii) Second floor	Rmt	143.39		
	iv) Third floor	Rmt	143.39		
	v) Terrace floor	Rmt	55.95		
40	Supplying and laying <b>Anti skid Vitrified tiles flooring</b> of approved colour and manufacture of size <b>(300x300x10)mm</b> or any other recommended size over cement mortar (1:4) minimum 15mm thick, joints set and pointed with coloured cement to match with that of tiles, curing, etc., complete for <b>Balcony floor areas</b> as directed by the Engineer-in-Charge. <b>(Basic cost = Rs. 60/- per sft)</b>				
	i) Ground floor for pantry	Sqm	8.77		
	i) First floor	Sqm	17.28		
	ii) Second floor	Sqm	17.28		
	iii) Third floor	Sqm	17.28		
41	Supplying and laying <b>Vitrified tiles skirting 100 mm high</b> of approved colour and manufacture cut from size <b>(300x300x10)mm</b> or any other recommended size over cement mortar (1:4) minimum 15mm thick, joints set and pointed with coloured cement to match with that of tiles, curing, etc., complete for <b>Balcony areas</b> as directed by the Engineer-in-Charge. <b>(Basic cost = Rs. 60/- per sft)</b>				
	i) First floor	Rmt	37.80		
	ii) Second floor	Rmt	37.80		
	iii) Third floor	Sqm	37.80		

Sl.No.	ITEM	UNIT	QTY	RATE	AMOUNT
42	Supplying and laying <b>anti skid ceramic tiles</b> of approved colour and manufacture of size (300x300X7)mm or any other recommended size over cement mortar (1:4) minimum 15mm thick, joints set and pointed with coloured cement to match with that of tiles, curing, etc., complete <b>for Toilet floor areas</b> as directed by the Engineer-in-Charge. <b>(Basic cost = Rs. 60/- per sft)</b>				
	i) Ground floor	Sqm	21.60		
	ii) First floor	Sqm	21.60		
	iii) Second floor	Sqm	21.60		
	iv) Third floor	Sqm	21.60		
43	Supplying and fixing <b>glazed ceramic tiles</b> of approved colour and manufacture of size (300x200X7)mm or any other recommended size over cement mortar (1:4) minimum 10mm thick, joints set and pointed with coloured cement to match with that of tiles <b>for 2.10 m high dadoo in Toilet</b> with curing, etc all complete as directed by the Engineer-in-Charge. <b>(Basic cost = Rs. 80/- per sft)</b>				
	i) Ground floor	Sqm	83.97		
	For pantry area	Sqm	20.22		
	ii) First floor	Sqm	83.97		
	iii) Second floor	Sqm	83.97		
	iv) Third floor	Sqm	83.97		
44	Supplying and fixing 20mm thick <b>Flamed granite flooring</b> for <b>Steps and landings</b> set over cement mortar (1:4), 20mm thick including polishing, half round nosing, thickness cutting for exposed edge,etc all complete as directed by the Engineer-in-Charge. <b>(Basic cost = Rs. 65 /- per sft) for staircase</b>				
	<b>Ground floor Main entrance</b>				
	i) Treads	Sqm	1.80		
	ii) Risers	Rmt	7.20		
	iii) Landings	Sqm	4.14		
	<b>Ground floor Internal Staircase</b>				
	i) Treads	Sqm	6.46		
	ii) Risers	Rmt	24.97		
	iii) Landings	Sqm	2.90		
	iv) Skirting edge polished	Rmt	22.03		
	<b>First floor</b>				
	i) Treads	Sqm	6.46		
	ii) Risers	Rmt	24.97		
	iii) Landings	Sqm	2.90		
	iv) Skirting edge polished	Rmt	22.03		
	<b>Second floor</b>				
	i) Treads	Sqm	6.46		
	ii) Risers	Rmt	24.97		
	iii) Landings	Sqm	2.90		
	iv) Skirting edge polished	Rmt	22.03		
	<b>Third floor</b>				
	i) Treads	Sqm	6.46		
	ii) Risers	Rmt	24.97		

Sl.No.	ITEM	UNIT	QTY	RATE	AMOUNT
	iii) Landings	Sqm	2.90		
	iv) Skirting edge polished	Rmt	22.03		
45	Providing and fixing <b>wall panelling for LIFT ENTRANCE</b> with 20mm thick Sadaralli grey granite in C.M 1:4, joints neatly set as per architectural design and drawing, curing, scaffolding, all edges rounded off, all as directed by the Engineer-in-Charge. (Basic cost of granite = Rs. 110/- per Sft)				
	<b>a) For Lift entrance wall</b>				
	i) Ground floor	Sqm	9.15		
	ii) First floor	Sqm	9.15		
	iii) Second floor	Sqm	9.15		
	iv) Third floor	Sqm	9.15		
	v) Terrace floor	Sqm	7.53		
46	Providing and laying <b>cement flooring</b> using PCC 1:3:6, 75mm thick using 20mm and down size aggregates, top finished with C.M 1:4 etc all complete as directed by the Engineer-in-Charge.				
	<b>i) Over Ramp area and Flagging</b>	Sqm	44.37		
	<b>Same as above but for Fire escape staircase</b>				
	a) Ground floor				
	i) Treads	Sqm	5.10		
	ii) Risers	Rmt	18.70		
	iii) Landings	Sqm	9.61		
	b) First floor				
	i) Treads	Sqm	5.10		
	ii) Risers	Rmt	18.70		
	iii) Landings	Sqm	5.36		
	c) Second floor				
	i) Treads	Sqm	5.10		
	ii) Risers	Rmt	18.70		
	iii) Landings	Sqm	5.36		
	d) Third floor				
	i) Treads	Sqm	5.10		
	ii) Risers	Rmt	18.70		
	iii) Landings	Sqm	5.36		
	<b>Same as above but for pantry and rear steps</b>				
	a) Ground floor				
	i) Treads	Sqm	4.73		
	ii) Risers	Rmt	18.90		
	iii) Landings	Sqm	10.16		
<b>I</b>	<b><u>PAINTING</u></b>				
	<b>(MAY BE DONE EXCLUSIVELY BY RRI ALSO)</b>				
47	Providing and painting two coats of <b>oil bound washable distemper</b> of Asian make or approved manufacture conforming to I.S.428 with and over a coat of alkali resistant primer including preparation of surface <b>to internal walls and ceiling</b> with all required scaffolding, etc., all complete as directed by the Engineer-in-Charge.				
	i) Ground floor	Sqm	948.83		
	ii) First floor	Sqm	924.71		

Sl.No.	ITEM	UNIT	QTY	RATE	AMOUNT
	iii) Second floor	Sqm	924.71		

Sl.No.	ITEM	UNIT	QTY	RATE	AMOUNT
	iv) Third floor	Sqm	924.71		
	v) Terrace floor	Sqm	288.57		
48	Providing and painting two coats of <b>EXTERIOR APEX paint</b> of approved colour and manufacture conforming to I.S.5410 over a coat of primer, preparation of surface <b>for external surface of walls and ceiling</b> with all required scaffolding, washing down the surface with water before painting and curing for two days after application of final coat, etc., all complete as directed by the Engineer-in-Charge.				
	i) Ground floor	Sqm	321.72		
	ii) First floor	Sqm	353.17		
	iii) Second floor	Sqm	353.17		
	iv) Third floor	Sqm	353.17		
	v) Terrace floor	Sqm	241.29		
49	Painting with two coats of <b>synthetic enamel paint</b> of approved manufacture and colour <b>over wood surfaces with K.P putty</b> including preparation of surface with all required scaffolding, one coat of primer, etc., all complete as directed by the Engineer-in-Charge.				
	i) Ground floor	Sqm	43.81		
	ii) First floor	Sqm	53.73		
	iii) Second floor	Sqm	53.73		
	iv) Third floor	Sqm	53.73		
	v) Terrace floor	Sqm	10.38		
50	Painting with two coats of <b>synthetic enamel paint</b> of approved manufacture and colour <b>over steel surfaces</b> including preparation of surface with all required scaffolding, one coat of corrosion resistant zinc chromate if required, etc., all complete as directed by the Engineer-in-Charge.				
	i) Ground floor	Sqm	52.70		
	ii) First floor	Sqm	49.88		
	iii) Second floor	Sqm	49.88		
	iv) Third floor	Sqm	46.88		
	v) Terrace floor	Sqm	263.52		
<b>J</b>	<b><u>OTHER ITEMS OF WORK</u></b>				
51	Providing, fabricating and hosing in position <b>Terrace Sheet roof</b> using Meta colour sheet 50mm thick with heat insulation material as per IS standards, approved colour and specifications over fabricated tubular truss (excluding cost of truss), etc complete as directed by the Engineer-in-Charge and guarantee certificate for a period of 10 years (Note: During which any complaint / leakage to be repaired by the contractor at free of cost) to be issued on a Non judicial stamp paper of Rs. 100/-)	Sqm	245.00		

Sl.No.	ITEM	UNIT	QTY	RATE	AMOUNT
52	Providing and fixing <b>Structural Glazing for front elevation</b> using heavy guage Jindal aluminium sections for support framework with 1.20x1.20m grid, covered with 5mm thick reflective glass of Saint gobain make, with 4 openings on each floor with necessary handle and locking arrangement, including hoisting, fixing, double scaffolding, with gaskets, 3m adhesive tape, dowcon, GE or equivalent silicon sealant, all inclusive, etc complete as directed by the Engineer-in-Charge. (Note: During of 12 months guarantee within which any complaint / leakage to be repaired by the contractor at free of cost)	Sqm	128.50		
	a) Same as above but for <b>Pantry glass roof</b> with 12mm thick plain glass, etc complete.	Sqm	6.20		
53	Supplying and fixing <b>M.S ladder</b> in sanitary duct/shaft for maintenance as per architectural design and drawing with M.S L angles, flats, rods, etc all complete as directed by the Engineer-in-Charge.				
	a) For Sanitary ducts (450 mm wide)	Rmt	87.60		
54	Providing 75mm thick <b>natural dressed stone cladding</b> laid over waterproof plastered external surface and fixed to wall using C.M 1:4 with joints V groove pointing including scaffolding, finishing, all as per architectural design and drawing and as directed by the Engineer-in-Charge, etc complete. (Basic cost = Rs. 210/- per sft)	Sqm	107.00		
55	Providing <b>Core cutting using mechanical means</b> for toilet downtake pipes in Roof slab and beams, all as per architectural toilet design and drawing and as directed by the Engineer-in-Charge, etc complete. (75mm dia -6nos per floor & 110mm dia -6nos per floor)				
	i) First floor	No.	12.00		
	ii) Second floor	No.	12.00		
	iii) Third floor	No.	12.00		
56	Supplying and fixing <b>12mm thick PVC sheet false ceiling</b> including heavy guage framework, jindal suspenders, fasteners, anchor bolts, including scaffolding, etc all complete as per the architectural design and drawing and as directed by the Engineer-in-Charge.				
	i) First floor	Sqm	21.60		
	ii) Second floor	Sqm	21.60		
	iii) Third floor	Sqm	21.60		
	<b>TOTAL COST OF CIVIL WORKS</b>			<b>Rs.</b>	
	<b>(Rupees</b>				<b>only)</b>