

## Bill of Quantities

Name of Work : Prop. BOYS' HOSTEL at Gut no 279, MGM Hills, Gandheli, Chh. Sambhajinagar.					
Name of Client : Mahatma Gandhi Mission					
Sr.No	Description of Items	Qty	Unit	Rate	Amount
<b>1</b>	<b>Earth Work</b>				
i	Excavation for foundation in hard murum including removing the excavated material upto a distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift up to 1.5 m ) By Mechanical	6000	Cum		
ii	Excavation for foundation in Soft rock and old cement or lime masonry foundations including removing the excavated material upto a distance of 50 metres beyond the building area and stacking as directed, including dewatering, preparing the bed for the foundation and necessary back filling with available earth/murum, ramming ,watering including shoring and strutting etc. complete. (above 1.5m ) By Mechanical	3200	Cum		
<b>2</b>	<b>Concrete work</b>				
i	Providing and laying in situ cement concrete in 1:4:8 of trap granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, formwork, compacting and curing complete. as directed by Architects/MGM ConstructionEngineers	130.00	Cum		

## Bill of Quantities

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ii	Providing and laying in situ cement concrete M-25 of trap/ granite/ quartzite/ gneiss metal for R.C.C. work in foundations like raft, grillages, strips, foundations and footings of R.C.C. columns and steel stanchions including bailing out water formwork, compaction, curing and cement concrete M-25 of trap/roughening the surface if special finish is to be provided (excluding steel reinforcement & structural steel) complete.	765.00	Cum		
iii	Providing and casting in situ cement concrete M-25 of trap/ granite/ quartzite/ gneiss metal for R.C.C. columns as per detailed drawings and designs, or as directed including, centering, formwork, compaction and roughening if special finish is to be provided and curing complete (excluding reinforcement).	747.00	Cum		
iv	Providing & casting in situ cement concrete M-25 of trap/granite/ quartzite/gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including centering, form work, compaction & roughening the surface if special finish is to be provided & curing complete. (Excluding reinforcement)				
	PLINTH BEAM	105.00	Cum		
	LINTEL & FLOOR BEAMS	495.00	Cum		

## Bill of Quantities

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v	Providing and casting in situ cement concrete M-25 of trap/ granite/ quartzite/ gneiss metal for R.C.C. slabs and landings canopy, waist slab as per detailed designs and drawings including centering, formwork, compacting and roughening the surface if special finish is to be provided and curing complete. (Excluding reinforcement). as directed by Architects/MGM ConstructionEngineers	940.00	Cum		
vi	Providing & laying concreting in M 25 grade for lift RCC pardi (excluding steel)	114.00	Cum		
vii	Providing and casting in situ cement concrete M-25 of trap/ granite/ quartzite/ gneiss metal for R.C.C. Chajjas & projected slabs canopy, waist slab as per detailed designs and drawings including centering, formwork, compacting and roughening the surface if special finish is to be provided and curing complete. (Excluding reinforcement). as directed by Architects/MGM ConstructionEngineers	23.00	Cum		
viii	Providing and casting in situ cement concrete M-25 of trap/ granite/ quartzite/ gneiss metal for R.C.C. waist slab and steps as per detailed drawings for staircases including centering, formwork, compacting and roughening the surface if special finish is to be provided and curing. (Excluding reinforcement)	60.00	Cum		

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Sr.No	Description of Items	Qty	Unit	Rate	Amount
ix	Providing and fixing in position Structural steel TMT 500D/TMT 550 reinforcement of various diameters for R.C.C. footings, foundations, slabs, beams, columns, canopies, staircase, newels, chajjas, lintels, pardis, copings, fins, arches etc. as per detailed desings, drawings and schedules including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete.	395.00	MT		
x	Providing & laying 200mm tk soling at plinth level , with filling in the gaps by small chips, laying of shingle sand, watering in between, and laying murum over top with levelling spreading , watering compaction etc complete.	510.00	Cum		
xi	Providing and laying in situ cement concrete in 1:3:6 of trap/granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, formwork, compacting and curing complete. as directed by Architects/MGM ConstructionEngineers	260.00	Cum		
3	<b>Masonry work</b>				
i	Providing & laying 200mm tk AAC blockwork				
ii	At Plinth level	40.00	Cum		
iii	At all upper floors	780.00	Cum		
iv	Providing 150mm thk second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding Complete as directed by Architects/MGM ConstructionEngineers (Please note- Taapee river Sand to be used for brickwork).				

## Bill of Quantities

Sr.No	Description of Items	Qty	Unit	Rate	Amount
v	Providing 150mm thk second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding Complete as directed by Architects/MGM ConstructionEngineers (Please note-Taapee river Sand to be used for brickwork).	2970.00	Sqm		
4	<b>Finishing work</b>				
i	Providing <b>internal cement plaster</b> 20 mm. thick in two coats in cement mortar 1:5 with neeru finish to concrete, brick sur-face, in all positions including scaffolding and curing complete. (Cost Inclusive of application Of Chicken Mesh at the junction of RCC & AAC blockwork/Brickwork).Please Note-Taapee River Sand to be used for the plastering work.	7005.90	Sqm		
ii	Providing <b>sand faced plaster</b> externally in cement mortar using approved screened sand in all positions in CM 1:4 in all positions including scaffolding & curing complete. (Cost Inclusive of applivation of Chicken mesh at the junction of RCC & AAC blockwork/Brickwork). Please Note-Taapee River Sand To be used for the plastering work.	5500.00	Sqm		
5	<b>Ramp Work</b>				
<b>A]</b>	<b>Ramp 23.35m x 6 m</b>				
i	<b>PCC in 1:4:8</b>	6.00	Cum		
ii	<b>Footing Concreting</b>	29.00	Cum		
iii	<b>Column Concreting</b>	4.00	Cum		
iv	<b>Slab beams Concreting</b>	8.00	Cum		
v	<b>Slab Concreting</b>	23.00	Cum		
vi	<b>Structural Steel</b>	5.00	MT		
<b>B]</b>	<b>Ramp 27.25m x 4.50m</b>				
i	<b>PCC in 1:4:8</b>	13.00	Cum		

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Sr.No	Description of Items	Qty	Unit	Rate	Amount
ii	<b>Footing Concreting</b>	64.00	Cum		
iii	<b>Column Concreting</b>	9.00	Cum		
iv	<b>Slab beams Concreting</b>	8.00	Cum		
v	<b>Slab Concreting</b>	32.00	Cum		
vi	<b>Structural Steel</b>	6.00	MT		
6	<b>Trimix Flooring</b>	380.00	Cum		
7	<b>Main Entrance Steps</b>				
i	Providing 230 mm thk second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding Complete as directed by Architects/MGM ConstructionEngineers (Please note- Taapee river Sand to be used for brickwork).	36.00	Cum		
ii	Providing & laying murum bought from outside with spreading, levelling, watering ,compaction by compaction machine etc complete.	10.00	Cum		
iii	Providing and laying in situ cement concrete in 1:4:8 of trap granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, formwork, compacting and curing complete. as directed by Architects/MGM ConstructionEngineers	6.00	Cum		
iv	Providing and punning <b>Gypsum wall punning</b> above skirting upto ceiling bottom in @10-12mm thickness to the walls internally, in plumb, right angles and uniform finish. @ 8-10mm Gypsum punning to be done to the slab bottoms in uniform & smooth finish.	9786.75	Sqm		
8	<b>Tiling &amp;Stone Work</b>				

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Sr.No	Description of Items	Qty	Unit	Rate	Amount
8A	<b>Flooring:</b> Providing & Fixing 600mm x 600mm machine cut kottah, 30mm thick for gground floor and first floor room & passage flooring in required position pattern laid on CM 1:4 including filling the joints with coloured grout to match the colour of floor with curing, high-polishing in proper leveling after fitting etc complete.(Basic Rate of Tile-Rs 699/- per Sqm). The joint finishing, polish finishing to be found satisfactory after being inspected by the Architect/ProjectEngineer.	3900.00	Sqm		
8B	<b>Skirting:</b> Providing and fixing 30mm thk 100mm size kottah skirting in cement mortar, with 6mm offset from wall surface. The Raw material to be mirror polished prior to fitting, with curing, joint filling etc. complete	2800.00	Rm		
8C	<b>Wall Cladding:</b> Providing & fixing of 10mm thk 600 x 600 mm premium/I st quality laser cut gloss finished vitrified wall tiles in all wet areas as per pattern and design on sand cement mortar bed with joint filler, curing etc complete. Cost should be inclusive of wastage, transportation etc complete. Kajaria/Simpolo/Qutone or equivalent make.Sample to be approved by the Architect/ Project Engineer. [ Basic Rate - @ Rs 600/-sqm ]	1789.64	Sqm		

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Sr.No	Description of Items	Qty	Unit	Rate	Amount
8D	<b>Flooring:</b> Providing & fixing of 10mm thk 600 x 600 mm premium/I st quality laser cut matt finish vitrified tiles in all wet areas, with slopes, tile drops, edge finishing as per instructions, as per pattern and design on sand cement mortar bed with joint filler, curing etc complete. Cost should be inclusive of wastage, transportation etc complete. Kajaria/Simpolo/Quitone or equivalent make. Sample to be approved by the Architect/ Project Engineer. [ Basic Rate - @ Rs 600/-sqm ]	363.61	Sqm		
8E	<b>Window Jambs:</b> Providing & fixing 9"-11" wide window sill for bottom in two steps & remaining 3 sides in single step for all windows, ventilators with following : These are made out of best quality approved granite with edge polish on all edges & chamfer at corner joints. Araldite and sand to be applied to back of granite to make it rough for best adhesion with wall. The jambs to be projecting by 4mm from the wall tiles/ wall POP as directed by Architect/ProjectEngineer. (Granite Basic Rate -Rs 150/- per sft )	1188.40	Rm		



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Sr.No	Description of Items	Qty	Unit	Rate	Amount
8F	<b>Door Frames:</b> Providing & fixing 8"-10" wide door frames to wet areas like bathrooms, WCs. With all sides in two steps: These are made out of best quality approved granite with edge polish on all edges & chamfer at corner joints. Araldite and sand to be applied to back of granite to make it rough for best adhesion with wall. The jambs to be projecting by 4mm from the wall tiles/ wall POP as directed by Architect/ProjectEngineer. (Granite Basic Rate -Rs 150/- per sft )	907.40	Rm		
8G	<b>Internal Staircase Risers &amp; Treads:</b> Providing and laying machine cut Mirror polished telephonic black granite stone 18-20 mm thick for 300mm wide tread and 150mm high riser for steps and staircases, in one piece in required width of 2.00m with rounded nosing for the tread on a bed of 1:4 cement mortar including cement float, filling, joint with neat cement slurry curing, rubbing and cleaning complete.(Basic rate Of Granite-Rs 150/- per Sft).	567.60	Rm		
8H	<b>Internal Staircase Main &amp; Mid-Landings:</b> Providing and laying machine cut Mirror polished telephonic black granite stone 18-20 mm thick for midlandings and main landings on a bed of 1:4 cement mortar including cement float, filling, joint with neat cement slurry curing, rubbing and cleaning complete.(Basic rate Of Granite-Rs 150/- per Sft).	226.57	Sqm		

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Sr.No	Description of Items	Qty	Unit	Rate	Amount
8I	<b>Internal Staircase Skirting:</b> Providing & Fixing 100mm high mirror polished black granite skirting in CM 1:4 including filling in the joints with neat cement slurry & coloured grout as directed by the Architect/ Project Engineer. (Basic Rate of Granite-Rs.150/- per Sft).	265.50	Rm		
8J	<b>Main Entrance Staircase Risers &amp; Treads:</b> Providing and laying machine cut Leather-polished telephonic black granite stone 18-20 mm thick for 400mm wide tread and 150mm high riser for steps and staircases, in one piece in required width of 3.00m with rounded nosing for the tread on a bed of 1:4 cement mortar including cement float, filling, joint with neat cement slurry curing, rubbing and cleaning complete.(Basic rate Of Granite-Rs 180/- per Sft).	24.00	Rm		
8K	<b>Main Entrance Staircase Main &amp; Mid-Landings:</b> Providing and laying machine cut Leather polished telephonic black granite stone 18-20 mm thick for midlandings and main landings on a bed of 1:4 cement mortar including cement float, filling, joint with neat cement slurry curing, rubbing and cleaning complete.(Basic rate Of Granite-Rs 180/- per Sft).	40.14	Sqm		

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Sr.No	Description of Items	Qty	Unit	Rate	Amount
8L	<b>Paver Blocks:</b> Providing and fixing 80mm thk. Polished cement paver blocks of M-40 grade on a minimum 40mm thk. bed of fine 1/4" metal with proper interlocking as per design and in desired slope & level. The samples to be approved by the Architect/ Project Engineer (Basic Rate of Paver Blocks = Rs.60/- per Sft). please note- Surface to be compacted properly by Compaction machine before fixing Paver Blocks.	1822.59	Sqm		
9	<b>Aluminium Windows:</b> Providing & fixing 3 track 7 tank powder coated <b>aluminum windows &amp; Louvered Ventilators</b> with self locking handles, best quality rubber & bearings, saint gobain make 4mm plain float glass or Bajra glass as and where applicable, with all necessary accessories as directed by the Architect/Project Engineer.	402.36	Sqm		
10	<b>Doors &amp; Door Frames</b>				
10A	<b>Domal Section Aluminium Doors:</b> Providing and fixing 35x75mm Prefabricated 7 tank process powder coated aluminium doors with 4.5mm thk. Plain float glass panels, all accessories, hardware, locking etc. complete. Make: AICap,				
	<b>2.40m x 3.00m Opening</b>	1.00	No		
	<b>3.05m x 2.20m</b>	4.00	Nos		
	<b>1.80m x 2.20m</b>	8.00	Nos		
10B	<b>Manufactured Safety Doors:</b> Providing and fixing Standard pre-manufactured, 7 tank process powder coated MS doors with locking, accessories, hardware etc. complete Make: Infinity Doors				
	<b>1.80m x 2.20m</b>	8.00	Nos		

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	<b>3.00m x 3.00m</b>	4.00	Nos		
	<b>4.10m x 3.00m</b>	2.00	Nos		
10C	<b>Pre-Engineered prelaminated Doors &amp; Door Frames:</b> Providing and fixing 150mm x 75mm pre-engineered prelaminated door frames with cover mouldings, 36mm Flush door panels finished in laminate, with all hardware, accessories etc. complete. The make and quality:				
	<b>0.90m x 2.20m</b>	79.00	Nos		
	<b>1.00m x 2.20m</b>	68.00	Nos		
10D	<b>35mm Thk. WPC Doors:</b> Providing and fixing 35mm thk. Prefinished WPC doors for all wet areas, with all accessories & Hardware etc. complete. <b>Size: 0.75m x 2.20m (Basic Rate of WPC door- Rs 290/- per Sft)</b>	134.00	Nos		
11	<b>Lazer-Cut paneled Louvers to Balconies:</b> Providing & fixing 3mm MS Sheet Lazer Cut panels in desired pattern, fixed in MS 40x80mm Coil pipe Section.	594.00	Sqm		
12	<b>Staircase Railing:</b> Providing and fixing MS Railings for staircase with combination of 40 x 40mm & 40 x 80mm Coil-pipe railings with verticals grouted in through the sides using proper anchorage, plumb, welding, grinding etc. as per the design, for all staircases				
12A	Internal side: 850mm High	80.00	Sqm		
12B	Wall side, only Handrail	191.10	Rm		
13	<b>Painting &amp; Polishing</b>				

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13A	<b>EXTERIOR PAINTING:</b> Scrapping the existing/plastered surface, making in dirt free, filling in the cracks if any by crack filling material, Providing & applying exterior grade primer & providing & applying three coats of exterior grade luxury acrylic emulsion paint (Asian Apex Ultima or Equivalent) by brush & roller finish.	5500.00	Sqm		
13B	<b>INTERNAL PAINTING:</b> Scrapping the existing surface, applying 2 coats of putty, applying putty powder mixed with oil paint to walls, scrapping the surface, & then applying primer to wall, again scrapping the surface & then applying water lusture paint to walls in 3 coats with Roller finish.	9786.75	Sqm		
13C	<b>OIL-PAINT:</b> Scrapping the existing MS surface, applying Asian make or Equivalent 1st quality red-oxide , & then applying asian make or equivalent 1st quality oil paint to ms railings with proper finish				
	850mm high	75.00	Sqm		
	Only Handrails	191.10	Rm		
13D	<b>Oil Paint to Lazer-Cut Louvers to Balconies</b>	786.06	Sqm		
				<b>SUBTOTAL 'A' =</b>	<b>0.00</b>
14	<b>Plumbing &amp; Sanitation:</b> Including Internal, External Inlet Outlet Lines, Underground lines, Inspection & Controlling Systems for distribution & maintenance, Ceramic & CP fittings, etc. complete. All materials of standard approved make and quality. @ 9% of Subtotal				0.00

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15	<b>Electrification:</b> Including Panels, DBs, MCBs, Concealed Conduits, Wiring, Switches and Switchboards, Lighting Fixtures etc. complete. All materials of standard approved make and quality. @ 12% of Subtotal				0.00
16	<b>Data/LAN Networking, CCTV &amp; Telephone:</b> Including Independent Distribution & Control Panels, Routers, Modems, PVC Conduiting, Cabling, IO Boxes, IP Cameras, Telephone Instruments etc. complete. All materials of standard approved make and quality. @ 2% of Subtotal				0.00
17	<b>Fire-Fighting:</b> Estimated cost of proposed fire-fighting work including wet riser, yard hydrant ring, main, sprinklers, smoke detectors, fire extinguishers, etc. complete with testing & fire-Drill. @6% of Subtotal				0.00
18	<b>Elevators:</b> Providing and fixing SS Cabin, SS Automatic Doored 12 passenger MRL elevators, with all documentation, sanctions, commissioning, test reports & Annual Maintenance for 1 year included. Currently 4 landings, expandable to 11 landings. @2% of Subtotal				0.00
19	<b>Elevation Work:</b> Providing and making enhancement to the Elevations by means of cladding, textured coatings etc. as per design. @ 2% of Subtotal				0.00
				<b>GRAND TOTAL =</b>	<b>0.00</b>
				<b>Say =</b>	