

**ASSAM PROJECT
ON
FOREST AND BIO-DIVERSITY CONSERVATION
BILL OF QUANTITIES OF CIVIL WORKS
FOR
CONSTRUCTION OF NEW RESIDENTIAL COMPLEX
– AT REHABARI, GUWAHATI - 781 008.
SUPER SENIOR LEVEL OFFICERS.**

Sl. No.	Specification of item of works	Unit	Quan- tities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
1	PILING WORKS MACHINE DRIVEN PILES Providing cast in-situ machine driven reinforced cement concrete piles of required bore-diameter, bulb diameter, lengths and with reinforcement as per specifications and drawings including using of Bentonite solution. A) UNIFORM PILE (l) Concrete Grade M25 (i) Pile dia 400 mm	R.M.	1105.00			
2	MISCELLANEOUS Extra for using admixture & plasticiser (a) RCC grade M25 i) Pile Dia 400 mm	R.M.	1105.00			

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3	<p>REINFORCEMENT</p> <p>Supplying, fitting and fixing in position reinforcement bars conforming to relevent IS code, for reinforced cement concrete works in piles including straightening, cleaning, cutting and bending to proper shapes and length as per specifications and drawings. The rings should be welded with vertical reinforcements as per specified IS codes of practice. (Inclusive of lap length, hook, chair, bend, anchor...etc)</p> <p>(A) TMT bar made of Primary producer (From Primary producer)</p>	Qtl	121.00			
4	<p>DISMANTLING WORKS.</p> <p>Demolishing R.C.C. / P.C.C. pile head of different diameters carefully without disturbing the remaining portion of the pile including opening out of the pile head to be demolished by excavating the earth upto required depth and clearing the debris as directed.</p>	Cu.M.	9.00			
5	<p>PILE TESTS.</p> <p>Routine test for test loading to 1.5 times the specified safe working load including construction of any test pile cap and dismantling the same after completion of test. (Rate for Safe working Load)</p>	Ton	84.00			

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6	Initial test for test loading to 2 times the specified safe working load including construction of any test pile cap and dismantling the same after completion of test. (Rate for Safe working Load)	Ton	56.00			
7	Integrity testing of Pile using Low Strain / Sonic Integrity Test / Sonic Echo method in accordance with IS:14893 including surface preparation of pile top by removing soil, mud, dust & chipping lean concrete lumps etc. and use of computerised equipment and high skill trained personal for conducting the test & submission of results, all complete as per direction of Engineer-in-charge.	Each Test	94			
8	<p>EARTHWORK IN EXCAVATION</p> <p>Earthwork in excavation for foundation trenches of walls, retaining walls, footings of column, steps, septic tank etc. including refilling (return filling) the quantity as necessary after completion of work, breaking clods in return filling, dressing, watering and ramming etc. and removal of surplus earth with all lead and lifts as directed and specified in the following classification of soils including bailing out water where necessary as directed and specified.</p> <p>(A) Up to a depth of 2.00m below the existing ground level. (a) In ordinary soil</p>	Cu.M.	208.00			

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9	<p>Earth/ sand filling in plinth in layers not more than 150mm thick including necessary carriage, watering, ramming etc. complete as directed and specified including payment of land compensation, forest royalty, sales tax and other duties and taxes as may be necessary.</p> <p>(a) With river sand or silt (predominantly non plastic) by truck carriage including loading and unloading.</p>	Cu.M.	156.00			
10	<p>PLAIN CEMENT CONCRETE WORKS</p> <p>Plain cement concrete works with coarse aggregate of sizes 13mm to 32mm in foundation bed for footing steps, walls, brick works etc. as directed and specified including dewatering if necessary, and curing complete (shuttering where necessary shall be measured and paid separately).</p> <p>(a) In prop 1cement: 3 sand :6coarse aggregate by volume</p>	Cu.M.	40.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
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11	Plain cement concrete floor base in prop1:3:6 laid in alternate bays as specified with coarse agg. of size 13mm to 32mm including dewatering if necessary, and curing etc. complete. (a) 100 mm thick in prop 1:3:6	Sq.M.	203.00			
12	Providing and laying 25mm thick damp proof course with cement concrete in prop 1:1.5:3 with graded stone agg. of 10mm down nominal size including providing approved damp proof admixture in proportion as recommended by the manufacturer including curing etc. complete as directed.	Sq.M.	27.00			
13	REINFORCED CEMENT CONCRETE WORKS Providing and laying plain/reinforced cement concrete works cement , coarse sand & 20mm down graded stone aggregate including dewatering if necessary, and curing complete but excluding cost of form work and reinforcement for reinforced cement concrete work (form work and reinforcement will be measured and paid separately)					

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
	(l) Using mixture machine (A) In sub - structure up to plinth level Foundation, footing, columns with base tie and plinth beam, pile cap, base slab, retaining walls, walls of septic tank, inspection pit and the like and other works not less than 100mm thick up to plinth level. l) Using admixture, plasticiser etc for air entraining, water reducing purposes including addition of agent for changing normal setting time of concrete as required. a) M25grade concrete	Cu.M.	110.00			
	(B) In super-structure from plinth level upto 1st floor level. (i) Walls (thickness not less than 100mm) including attached pillasters, buttresses, plinth and string course etc. l) Using admixture, plasticiser etc. a) M25 grade concrete.	Cu.M.	6.00			
	(ii) Columns, pillars, posts, struts, suspended floor, roof, landing, shelf and support, balcony, lintel, sill band, beam, girder, bressumer, cantilever, staircase (except spiral staircase and landing) including preparing the top surface and finishing of nosing. l) Using admixture, plasticiser etc. a) M25 grade concrete.	Cu.M.	91.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
	iii) Vertical and horizontal fins (thickness not more than 100mm) individually or forming box louvre and projected band. l) Using admixture, plasticiser etc. a) M25 grade concrete.	Cu.M.	2.50			
	From 1st floor level to 2nd floor level. (i) Walls (thickness not less than 100mm) including attached pillasters, buttresses, plinth and string course etc. l) Using admixture, plasticiser etc. a) M25 grade concrete.	Cu.M.	1.00			
	(ii) Columns, pillars, posts, struts, suspended floor, roof, landing, shelf and support, balcony, lintel, sill band, beam, girder, bressumer, cantilever, staircase (except spiral staircase and landing) including preparing the top surface and finishing of nosing. l) Using admixture, plasticiser etc. a) M25 grade concrete.	Cu.M.	32.00			
	iii) Vertical and horizontal fins (thickness not more than 100mm) individually or forming box louvre and projected band. l) Using admixture, plasticiser etc. a) M25 grade concrete.	Cu.M.	1.50			

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14	TIMBER SHUTTERING (FORMWORK) Providing form work of ordinary timber planking so as to give a rough finish including centering, shuttering, strutting and propping etc., height of propping and centering below supporting floor to ceiling not exceeding 4.0M and removal of the same for in-situ reinforced concrete and plain concrete work in:					
(i)	Foundation, footings, bases of columns, pile cap, raft and mass concrete works etc. (a) Using 38mm thick plank	Sq.M.	135.00			
(ii)	Sides of tie beams, grade beams etc. at or below ground level. (a) Using 25mm thick plank	Sq.M.	249.00			
(iii)	Columns, Pillars, Posts & Strut (a) Square, Rectangular, polygonal in plan or any shape like Tee/L etc. having plane vertical face (i) Using 38mm thick plank	Sq.M.	238.00			
	(b) Circular or curved in plan (Using 38mm thick plank)	Sq.M.	36.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
(iv)	Sides and Soffits of Beams, beam haunchings, cantilever girders, bressumers, lintels and horizontal ties. (a) For depth not exceeding 1.0M. (i) Using 38mm thick plank	Sq.M.	282.00			
(v)	Flat Surfaces such as soffits of suspended floors, roofs, landings, cantilever slabs, chajjas, balconies and the like. (a) Floors etc. upto 200mm in thickness. (i) Using 38mm thick plank	Sq.M.	77.00			
(vi)	Vertical surface such as walls (any thickness), parapet walls, partitions, walls of septic tank, inspection pit and the like including attached pilasters, buttresses, plinth and string courses and the like. (i) Using 25mm thick plank	Sq.M.	105.00			
(vii)	Vertical ties, fins, sun breaker, louvers, bands, dropwalls etc. (ii) Using 25mm thick plank	Sq.M.	40.00			
(viii)	Staircase with sloping or stepped soffits including risers and stringers but excluding Landing. (Using 38mm thick plank)	Sq.M.	20.00			

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				(in Figures)	(in Words)	
(i)	From 1st floor level to 2nd floor level.					
	Columns, Pillars, Posts & Strut					
	(a) Square, Rectangular, polygonal in plan or any shape like Tee/L etc. having plane vertical face	Sq.M.	119.00			
	(i) Using 38mm thick plank					
(ii)	Sides and Soffits of Beams, beam haunchings, cantilever girders, bressumers, lintels and horizontal ties.					
	(a) For depth not exceeding 1.0M.	Sq.M.	166.00			
	(i) Using 38mm thick plank					
(iii)	Flat Surfaces such as soffits of suspended floors, roofs, landings, cantilever slabs, chajjas, balconies and the like.					
	(a) Floors etc. upto 200mm in thickness.	Sq.M.	69.00			
	(i) Using 25mm thick plank					
(iv)	Vertical surface such as walls (any thickness), parapet walls, partitions, walls of septic tank, inspection pit and the like including attached pilasters, buttresses, plinth and string courses and the like.					
	(i) Using 25mm thick plank	Sq.M.	62.00			

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15	<p>MASONRY WORKS</p> <p>Providing soling in foundation and under floor with stone/ best quality picked jhama brick, sand packed and laid to level and in panel after preparing the subgrade as directed including all labour and materials and if necessary dewatering, complete.</p> <p>(a).Brick on flat soling.</p>	Sq.M.	456.00			
16	<p>IN SUB-STRUCTURE.</p> <p>Brick work in cement mortar with 1st class brick including racking out joints and dewatering if necessary, and curing complete as directed</p> <p>(l) In Sub-structure up to plinth level.</p> <p>(a). In proportion 1:4.</p>	Cu.M.	77.00			
17	<p>IN SUPERSTRUCTURE.</p> <p>1st class brick nogged wall in cement mortar including racking out joints and curing complete as directed in super structure above plinth up to 1st floor level (protruding M.S rod/Tor steel of column to be embeded in cement mortar and will be measured and paid separately)</p> <p>(A) 112mm thick brick wall</p> <p>(a) In cement mortar in proportion 1:4. (1 cement:4 sand)</p>	Sq.M.	10.00			
	<p>From 1st floor level to 2nd floor level.</p> <p>(A) 112mm thick brick wall</p> <p>(a) In cement mortar in proportion 1:4. (1 cement:4 sand)</p>	Sq.M.	5.00			

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18	<p>AUTOCLAVED AERATED CONCRETE BLOCK. Superlight Weight Autoclaved Aerated concrete Block work using AAC block of size 625x240mm of different thickness of compressive strength 35 Kg/Cm² having dry density 500 to 650 kg./ Cu.m. subject to maximum water absorbtion of 8% conforming to IS-2185 Pt-3 or Pt-4 in cement mortar in prop. 1:4 including racking out joints and curing complete as directed instructure. (protruding rod is to be provided at every 3 course interval and wil be measured and paid separately)</p> <p>In Super-structure above plinth level upto 1st floor level. a) For 125mm thick wall.</p>	Sq.M.	310.00			
(i)	From 1st floor level to 2nd floor level.	Sq.M.	260.00			

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19	<p>CEMENT CONCRETE FLOORING</p> <p>40 mm thick cement concrete floor consisting of 25 mm under layer of cement concrete in prop. 1:3:6 (1cement : 3 coarse sand : 6 coarse aggregate of 12.5 mm and down) and 15 mm thick wearing layer in cement concrete in prop. 1:1:2 (1cement :1 coarse sand : 2 coarse aggregate of size 10mm down) finished with a floating coat of neat cement finish using cement slurry for bond @ 2.75 kg. per square metre of floor area , wearing layer is to be laid in panels including curing etc. complete as directed.</p>	Sq.M.	28.50			
20	<p>Cement plaster skirting with cement mortar in prop. 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement including rounding of junctions with floor.</p> <p>(a) 15 mm thick</p>	Sq.M.	5.00			
21	<p>TILES WORKS</p> <p>1. CERAMIC TILES</p> <p>A) ON FLOOR</p> <p>Providing Ceramic Tiles of approved quality, size, shape and thickness not less than 8 mm on floors, skirtings, treads and risers of steps over cement mortar bed 15 mm thick in prop. 1:3 (1 cement : 3 coarse sand) including cutting where necessary finished with flush pointing with Fix-A-Tile Choksey /Sika/Pedelite /Rouf) /white cement slurry mixed with approved pigment to match the shade of granite slab, complete at all levels as specified and directed. (Coloured pigment should be in conformity with colour of slab and as approved and directed by the Department).</p> <p>a) Normal range (Somany/ Orient/ Nitco /Asian)</p>	Sq.M.	22.00			

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	i) Of size 300mmx 300mm and above					

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22	<p>A) ON WALLS Providing polished ceramic wall Tiles of approved quality, size, shape and thickness not less than 8mm on walls and skirtings over cement mortar bed 10 mm thick in prop. 1:3 (1 cement : 3 coarse sand) including cutting where necessary finished with flush pointing with Fix-A-Tile (Choksey / Sika / Pedelite / Rouf) /white cement slurry mixed with approved pigment to match shade of tiles complete at all levels as specified and directed. (Coloured pigment should be in conformity with colour of tiles and as approved and directed by the Department). (Walls means both interior and exterior walls).</p> <p>i) Of size 200mmx 300mm and above</p>	Sq.M.	91.00			
23	<p>VITRIFIED TILES A) ON FLOOR Providing VITRIFIED floor tiles of approved quality of specified size, shape and thickness not less than 18mm on floors, skirtings, risers and treads of steps over 15 mm thick base of cement mortar in prop. 1:3 (1 cement : 3 coarse sand) including cutting where necessary finished with flush pointing with Fix-A-Tile (Choksey / Sika/ Pedelite/ Rouf) / white cement slurry mixed with approved pigment to match shade of tiles, mixed with approved pigment to match the shade of the tiles, complete at all levels as specified and directed. (Coloured pigment should be in conformity with colour of tiles and as approved and directed by the Department)</p> <p>a) Normal range Somany/ Orient /Nitco /Varmora/ VITA/ Marbitto/ Make i) Of size 600mmx 600mm and above</p>	Sq.M.	323.00			

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24	<p>CONCRETE TILES (A) PAVERS</p> <p>Providing SUN ROCK HIGH CTS / DEVI paver block/ tiles of concrete grade M30 or above of approved quality, size, shape of specified thickness over a levelling bedding layer of 30mm compacted sand over a base course of WBM or PCC (Base course to be paid separately) including cutting where necessary finished with spreadind, sweeping joining sand and compacting the pavers using vibrating compactor as specified and directed.</p> <p>SUN ROCK HIGH CTS / Devi Tiles (Pavers) (a) 60 mm thick</p>	Sq.M.	74.00			
25	<p>GRANITE FLOORING</p> <p>Providing polished granite tiles of approved quality, size, shape and thickness not less than 18 mm on floors, skirtings, risers and treads of steps over 15 mm thick base of cement mortar in prop. 1:3 (1 cement : 3 coarse sand) including cutting where necessary finished with flush pointing with Fix-A-Tile (Choksey/Sika / Pedelite/Rouf) / white cement slurry mixed with approved pigment to match shade of tiles, mixed with approved pigment to match the shade of the tiles, complete at all levels as specified and directed. Coloured pigment should be in conformity with colour of tiles and as approved and directed by the Department)</p> <p>(i) With White cement</p>	Sq.M.	29.00			

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26	<p>Providing polished granite slab of approved quality, size, shape and thickness not less than 18 mm on floors, skirtings, treads and risers of steps over cement mortar bed 15 mm thick in prop. 1:3 (1 cement : 3 coarse sand) including cutting where necessary finished with flush pointing with Fix-A-Tile Choksey /Sika/ Pedelite / Rouf) /white cement slurry mixed with approved pigment to match the shade of granite slab, complete at all levels as specified and directed. (Coloured pigment should be in conformity with colour of slab and as approved and directed by the Department).</p> <p>(i) Executive Quality (i)With Fix-A-Tile (Choksey /Sika/ Pedelite/Rouf)</p>	Sq.M.	5.00			
27	<p>CEMENT PLASTERING 10 mm thick Cement plaster in single coat on fair side of brick/concrete walls for interior plastering up to 1st floor level including arises or rounded angles not exceeding 80mm girth and finished even and smooth including curing complete as directed.</p> <p>(a). In cement mortar 1:4</p>	Sq.M.	2202.00			
28	<p>15 mm thick Cement plaster in single coat on rough side of single or half brick wall for interior plastering up to 1st floor level including arises, internal rounded angles, not exceeding 80mm girth and finished even and smooth including curing complete as directed.</p> <p>A) On rough side (a). In cement mortar 1:4</p>	Sq.M.	627.00			

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29	<p>GYPBOARD CEILING</p> <p>Supplying, fitting, fixing and painting where necessary (one coat primer and two coats of paint) M/F Suspended Ceiling which includes G.I. perimeter channels of size 0.55mm thick (having one flange of 20mm and another flange of 30mm and a web of 27mm) along with perimeter of ceiling, screw fixed to brick wall/partition with the help of nylon sleeves and screws, at 610mm c/c. Then suspending G.I. intermediate channels of size 45mm (0.9mm thick with two equal flanges of 15mm each) from the soffit at 1220mm c/c with ceiling angle of width 25mmx10mmx0.55mm thick fixed to soffit with G.I.cleat and steel expansion fasteners. Ceiling section of 0.55mm thickness having knurled web of 51.5mm and two equal flanges of 26mm each with lips of 10.5mm are then fixed to the intermediate channel with the help of connecting clip and in direction perpendicular to the intermediate channel at 457mm c/c, 9.5mm/ 12.5mm tapered edge Gypboard (conforming to IS:2095-1982) is then screw fixed to ceiling section with 25mm long drywall screws at 230mm c/c. Screw fixing is done mechanically either with screw driver or drilling machine with suitable attachment. Finally, the boards are to be jointed and finished so as to have a flush look which includes filling and finishing the tapered and square edges of the</p>	Sq.M.	189.00			

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	boards with jointing compound, joint paper tape and two coats of drywall topcoat suitable for Gypboard complete at all levels as specified and directed. (For light fittings, providing opening for doors, window, ventilators etc, cut out made with frame of perimeter channel supported suitably to be measured and paid separately where necessary). (i) 12.5mm thick					
30	PLYWOOD / HARDBOARD PARTION Providing, fitting and fixing in position plywood / hardboard partion walls with 6mm thick plyboard / hardboard (best) with horizontal and vertical Sal battens of size 50mm x 80mm spaced at not more than 1.20m apart with necessary nails, wood screws, bolts etc. complete as directed by the Department for all levels (Painting / Varnishing to be measured and paid separately). A) 6mm thick Plyboard a) On one face of the frame	Sq.M.	15.00			
31	Pre laminated Particle Board Providing, fitting and fixing in position 38/30mm thick single skin partion with well seasoned Bonsun/ Sundi / Hollock frame in size 75mm x 38mm / 75mm x 50mm and fixing 12mm / 18mm thick flat pressed melamine faced pre-laminated graded wood particle boards bonded with phenol formaldehyde synthetic resin of approved shade as specified and directed at all levels. (l) Exterior grade - Both side decorative (a) 19mm thick	Sq.M.	15.00			

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32	<p>ROOFING</p> <p>Providing Pre Painted Galvanized Iron Sheet Roofing (PPGI) at all levels including fitting and fixing with self drilling, self tapping screws complete. (Roof trusses, purlins etc. to be measured and paid separately.) TATA Blue scope/ Dyna roof / Durakolor /Wonder Roof or equivalent as directed by the Departement</p> <p>(i) 0.60 mm thick</p>	Sq.M.	330.00			
33	<p>Providing Bare Galvalume Sheet roofing accessories (Ridges / Valley / Gutter /Flashing) at all levels including fitting and fixing self drilling, self tapping screws complete.</p> <p>TATA Blue scope/ Dyna roof / Durakolor /Wonder Roof or equivalent as directed by the Departement</p> <p>(i) 0.60 mm thick</p>	R.M.	73.00			
34	<p>ROOF TREATMENT</p> <p>Grading roof for water proofing treatment with (a) Cement concrete 1:2:4 (i) 1 cement: 2 coarse sand: 4 graded stone agg. 20 mm nominal size)</p>	Cu.M.	2.50			
	<p>(b) Cement mortar (i) 1:3 (1 cement: 3 coarse sand)</p>	Cu.M.	2.50			

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35	<p>ARCHITRAVE / BEADING Providing and fixing 1st class timber moulded architrave of size 50x20mm to door and window frames with countersunk wood screw, wooden plugs and applying a coat of wood preservative on unexposed surface etc.</p> <p>(a) With Teak wood/Sissu wood.</p>	R.M.	174.00			
36	<p>CUPBOARD SHUTTERS Providing and fixing 25mm thick wooden shutters for cup board including black enamelled M.S butt hinges (75mmx40mmx1.12mm) 6 nos. with necessary wood screws (fully panelled)</p> <p>(i) Using Particle/Block board a) With Teak wood particle board (12mm thick)</p>	Sq.M.	26.00			

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37	<p>Providing fitting and fixing compressed ready to fit Godrej make wood door shutter (Godrej Entranza Moulded Panel Door) for various thickness Conforming to IS 15380-2003,printed,shutter comprising of High Density Fiberboard skins (HDF) of 3.5 mm (hardened finely processed natural wood fibre) with panel design compressed on both faces,sandwitching, termite and borer resistant chemical treated and kiln seasoned wooden stiles and rails of 50mm-60mm width,lock block and high density flax board core / chemical treated and kiln seasoned timber core infil. The panel would be of different design viz. Two panel,Four panel,Six panel (both side) Shutter should be bonded with Phenol Formaldehyde or adhesive / conforming to BWP grade of IS 848.Shutter should have trim ability option of 12.5 mm from all sides. The door should have flexibility for painting or polishing to match any interiors.</p> <p>(i) 35 mm thick with panel inserts of 20mm thickness.</p>	Sq.M.	5.50			
38	<p>GRILLS</p> <p>Providing, fitting and fixing M.S. grill of required pattern for windows/ clerestory windows/ openingwith M.S. flats at required spacing in frame all round, squre or round M.S. bars with round headed bolts and nuts or screws.</p> <p>I. Plain grill</p> <p>(a). Fixed to Brickwork /P.C.C /R.C.C.</p>	Kg.	834.00			

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39	MISCELLANEOUS Suppling, fitting and fixing 20mm dia aluminium rod with aluminium bracket at both ends of the pelmet over door and windows as directed and specified at all levels.	M.	45.00			
40	P.V.C. DOORS & DOOR FRAMES Providing, fitting and fixing 40mm x 48mm wood reinforced PVC chowkhats fixed to the columns/stiffeners /walls with necessary holdfast/sleeves etc. as specified and directed at all levels.	RM	31.00			
41	Providing, fitting and fixing 24mm/ 29mm thick polymer reinforced moulded PVC door shutters fixed to the chowkath with necessary hinges, screws, bolts etc. as specified and directed at all levels (Door fixtures and fittings to be measured and paid seperately) a) 29mm thick	Sq.M.	11.00			

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42	<p>Supplying and installing uPVC- Sliding Windows made out of Lead free green profile having "GREENLINE" mark of BIS standard uPVC multichambered sections of wall thickness 2.4mm with corners fusion welded, fully reinforced with Galvanized steel 1.5/2mm including interlock profile, glazing bead, grooving bead, brush seal, aluminum sliding track, stainless steel rollers, sealing wedge block, Espag, int handle, pop up handle, keeper, drain cap, fisher screws, packing pieces with all necessary stainlessness screws etc. complete as directed. The windows must be installed complete with all kinds of ironmongery including EPDM gaskets, bridging wedges and glass packers and with suitable water draining system. Application of silicon sealant from inside / outside of Dowcorning / GE or equivalent.</p> <p>With 5mm clear glass (a) 2 Track Sliding Window with Flyscreen using uPVC section of sizes 88mm x 50 mm x 2.4mm thick wall for frame with inbuilt flyscreen track, 37mm x 61mm x 2.4mm thick wall for glass sash, 25mm x 49mm x 2.4mm thick wall for flyscreen sash having 1.5mm thick reinforcement, Interlock: 43mm x 23mm (Glass Panel) (WINSTA KOMMERLING/ FINESTA/ ENCRAFT) (i) 2-Panel with 5mm clear float glass</p>	Sq.M.	60.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
43	<p>Casement Windows. Supplying and installing uPVC-Casement Windows made out of Lead free, UV resistant green profile of BIS standard uPVC multi-chambered sections with corners fusion welded, fully reinforced with Galvanised steel atleast 1.4/2mm thick including glazing beads, folding gasket, glazing gasket, friction stay, Espag handle, Espag, keeper, drain cap, run up block, fisher screws, packing pieces with all stainless steel screws complete as directed. The windows must be installed complete with all kinds of ironmongery including EPDM gasket, bridging wedges and glass packers and with suitable water draining system. Fittings ROTO ?GQ or Equivalent. Application of Silicon sealant from inside / outside of Dowcorning / GE or equivalent complete as directed. (FENESTA / ENCRAFT / WINSTA KOMMERLING)</p> <p>(a) Single leaf side hung Window using uPVC section of minimum sizes 58mm x 57mm x 2.4mm thick wall for frame and 58mm x 68mm x 2.4mm thick wall for glass sash. With 5mm clear float glass (WINSTA KOMMERLING / FENESTA / ENCRAFT</p>	Sq.M.	6.00			
	<p>(b) Double leaf Side hung Window with a fixed Mullion (2 Panels) using uPVC profile of minimum sizes 58mm x 57mm x 2.4mm thick wall for frame, 58mm x 68mm x 2.4mm thick wall for glass sash, 58mm x 74mm x 2.4mm thick for mullion with 5mm clear float glass.</p>	Sq.M.	7.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
44	<p>PLASTER OF PARIS & WALL PUTTY Providing two coats of Birla White Wall Care Putty (Water Resistant White Cement based putty for concrete/ mortar walls and ceiling both internal and external) after removing all loosely adhering material from the wall surface with the help of emery stone, putty blade or wire brush and moistening the wall with sufficient quantity of clean water as specified and directed by the department. (Total thickness of two coats is maximum 1.5mm)</p> <p>(i) Thickness = 1.5 mm thick</p>	Sq.M.	2829.00			
45	<p>EXTERIOR PAINTS / COATINGS Finishing old / new wall with water proofing weather coat smooth anti-fungal exterior painting of approved make of Berger paint of required shade after cleaning and clearing the surface etc. including scaffolding complete as directed at all levels (two coats)</p>	Sq.M.	698.00			
46	<p>ALUMINIUM FITTINGS Supplying, fitting, fixing anodised aluminium fittings of approved make, reasonably smooth, free from sharp edges and corners, flaws and other defects and with counter sunk holes for screws including necessary aluminium screws etc. complete.(anodised to bright natural matt & satin finished)</p> <p>a) Sliding door bolts i) 300mm x 16mm</p>	Each	22			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
	b) Tower bolts i) 250mm x 12mm	Each	20			
	c) Door handles i) 150mm	Each	66			
	d) Hydraulic door closure	Each	18			
	e) Door stopper with rubber stopper	Each	18			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
47	STEEL & IRON WORKS REINFORCEMENT Supplying, fitting and fixing in position reinforcement bars conforming to relevant I.S. Code for R.C.C. work/ R.B. walling including straightening, cleaning, cutting and bending to proper shapes and length as per details, supplying and binding with 20G annealed black wire and placing in position with proper blocks, supports, chairs, spacers etc. complete. (No extra measurement for lap, hook, chair, anchor etc. will be entertained in the measurement as they are included in the rate) (Upto 1st floor level) From Primary Producer: TATA/SAIL / Esser Steel/ Jindal steel/Shyam steel/RINL Super Ductile (SD) TMT reinforcement bars	Qtl.	280.00			
	(i) From 1st floor level to 2nd floor level.	Qtl.	72.50			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
48	<p>ROOF TRUSS</p> <p>Providing fitting, hoisting and fixing of roof trusses including purlins fabricated using MS circular hollow section conforming to relevant I.S. code, as per approved design and drawings including providing M.S. cleats, base plates, bolts and nuts and one coat of red oxide Zinc Chromate primer and two coats of approved enamel paints complete including fitting necessary cleats etc. for fixing ceiling joists as per design and drawing as directed.</p> <p>a) TATA make Circular Hollow section- CHS of Grade YST-310 conforming to I.S. Specification : 1161-1998</p>	Qtl.	65.00			
49	<p>Providing and fixing M.S. fan clamp type I or II of 16 mm dia M.S. bar, bent to shape with hooked ends in R.C.C. slabs or beams during laying, including painting the exposed portion of loop, all as per standard design complete.</p>	Each	15			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
50	<p>STEEL RAILING</p> <p>Providing and fixing Stainless Steel (Grade 304) railing made of hollow tubes, channels, plates etc, including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i.e. fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc, of required size on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer incharge.(For payment, only weight of stainless steel member is to be considered. No extra payment for fixing accessories such as nuts, bolts, fasteners etc. will be considered.)</p>	Kg.	195.00			
51	<p>PLINTH PROTECTION WORKS AND DRAINS</p> <p>Providing plinth protection 50mm thick to cement concrete 1 : 3 : 6 with coarse agg.of 20mm nominal size including finishing the surface with 10mm thick cement plaster in proportion 1:3 with a floting coat of neat cement finished.</p>	Sq.M.	65.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
52	<p>Providing drain with cement concrete (1:3:6) 10cm thick sides 10cm thick bed over brick flat soling including 15mm thick cement plastering in prop. 1:3 finished with a floating coat of cement slurry as directed with necessary shattering for sides and earth work in excavation of foundation trenches and refilling the sides after completion of work etc. as specified.</p> <p>i). 300mm wide and average 150mm deep with bed slope 1 in 150 with initial depth of 100mm.</p>	R.M.	87.00			
53	<p>PRE CONSTRUCTION ANTI - TERMITE TREATMENT</p> <p>Pre construction anti - termite treatment by applying in the entire levelled area after plinth filling and before laying floor by applying the emulsion @ 5 (five) litres per square meter of the surface to be spread with light rodding so as to ensure proper absorption by the filled up earth (supplying of necessary tools and accessories by the contractor) as per the direction of the Department complete.</p> <p>a) with aqueous emulsion having concentration 1:19 with chlorpirophose solution (trichel or euivalent) and water, i.e. 1% solution.</p>	Sq.M.	167.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
54	<p>Pre construction anti - termite treatment by applying in the junction of walls, column with the floor before laying floor and after operation of item no. 26.1.3 above making a channel 30mmx30mm all over the walls and making rod holes @ 150mm apart up to ground level below and applying emulsion @ 11 litres per square meter of vertical plinth wall surface inside the building so as to soak the soil with the emulsion up to the ground level and refill the holes and channel with the original materials obtained in making channels (supplying of necessary tools and accessories by the contractor) as per the direction of the Department complete.</p> <p>a)with aqueous emulsion having concentration 1:19 with chlorophosphate solution (trical or euivalent) and water, i.e. 1% solution.</p>	Sq.M.	167.00			
55	<p>Pre construction anti - termite treatment by applying the soil along the external perimeter of the building (after construction completed) to a distance close to the plinth wall as specified and as directed by the deptt. up to a depth of 300mm making rod holes along the line @ 150mm apart to a depth of 300mm and applying emulsion @ 4.5 litres per running meter ensure moistening of the soil with emulsion (supplying of necessary tools and accessories by the contractor) as per the direction of the Department complete.</p> <p>a) with aqueous emulsion having concentration 1:19 with chlorophosphate solution (trical or euivalent) and water, i.e. 1% solution.</p>	R.M.	90.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
56	<p>Over Deck (Roof) Insulation : SINGLE LAYER SYSTEM OVER CONCRETE DECK / ACCESSIBLE roof (For Hydro & Thermal Insulation with INSUBOARD)</p> <p>24 hourse Use Building : Providing & Laying of Insuboard over the PCC, 75mm thickness. (Make: M/s. Supreme or equivalent) (PCC with proper slope over RCC)</p>	Sq.M.	37.00			
57	<p>SANITARY WORKS</p> <p>INDIAN TYPE WATER CLOSET</p> <p>Providing fitting and fixing vitreous china pedestal type water closet (European type W.C pan 400mm high) with seat and lead ,CP brass hinges and rubber buffers , CI/MS brackets , 40 mm dia flush band with fittings including painting of fittings and brackets, required. (Flushing Cistern to be paid</p> <p>a) Jaquar make (a) White (i) Size 623x480x355 - Anglo Indian S Trap (Cat No. CNS-WHT-WH12) (inclusive of seat cover)</p>	Each	1			
58	<p>EUROPEAN TYPE WATER CLOSET</p> <p>Providing fitting and fixing Vitreous china wall hang water closet (European type W.C pan 400mm high) with seat and lead ,CP brass hinges and rubber buffers , CI/MS brackets , 40 mm dia flush band with fittings including painting of fittings and brackets, required. (Flushing Cistern to be paid separately)</p> <p>a) Jaquar make l) White (i) Florentine (Cat. No. FLS-WHT-0111) (inclusive of seat cover and fittings)</p>	Each	5			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
59	<p>PVC FLUSHING CISTERN</p> <p>Supplying, fitting and fixing PVC flushing cistern with all internal fittings with CI brackets including fitting and fixing standard size CP flush pipe, union clamps etc. compete as directed and specified (pipes will be measured separately)</p> <p>i) Parryware make a) White (i) Economy Single Flush (Cat No.C8090 / C8055)</p>	Each	1			
60	<p>CONCEALED CISTERN</p> <p>Supplying, fitting and fixing concealed cistern with all internal fittings with CI brackets including fitting and fixing standard size CP flush pipe, union clamps etc. compete as directed and specified (pipes will be measured separately)</p> <p>a) Jaquar make Concealed Cistern (Cat.No.CIB-WHT-31801011X) with Control Plate (CP) (Cat. No. CIS-CHR-31191510X)</p>	Each	5			
61	<p>WASH BASIN</p> <p>Providing vitreous China wash basin with CI/MS brackets, C.P brass chain with plug,PVC waste pipe including painting of fittings and brackets, cutting and making good the walls wherever required. (Pillar cock, stop cocks, waste coupling are to be paid separately)</p>					

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
	PEDESTAL BASIN (with pedestal) Parryware Make (a) White (i) Duke 660 x 495 (Cat. No.C8416/27) (white/coloured)	Each	5			
	Basin (without pedestal) Hindware Make (a) White (ii) Standard 630 x 450 (Cat. No.10001)	Each	3			
62	KITCHEN SINK (STAINLESS STEEL) Providing fitting & fixing stainless steel kitchen sink of Parryware make with CI/MS brackets, C.P. brass chain with rubber plug, PVC waste pipe etc. complete including painting the fittings ,cutting &making good the walls wherever required. (Sink cock, stop cocks, waste coupling are to be paid separately Parryware Make Single Bowl with Veg Bowl & Drain Board (400 x 200) Flat Edge- Glossy (Cat.No.C8545)	Each	1			
63	MIRROR Providing fitting and fixing Mirror with plastic frame of size 500x400mm complete as directed and specified.	Each	1			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
64	Providing fitting and fixing Decorative Mirror complete as directed and specified. Parryware Make Size 600mm x 450mm	Each	6			
65	SHELF Providing fitting and fixing Glass Shelf complete as directed and specified. Glass shelf with C.P. guard rail Sona make (Cat. No.TR-0701) 525mm	Each	6			
66	SOAP TRAY,SOAP DISH,LIQUID SOAP DISPENSER AND LIQUID SOAP Providing, fitting and fixing recessed soap tray / soap dish complete as directed and specified. Parryware Make Wall Soap tray (Cat. No.C9951)	Each	6			
67	TOWEL RAIL,TOWEL RACK & TOWEL RING Providing, fitting and fixing CP towel rail complete as directed and specified. Jaquar make Continental 600mm (Cat.No. ACN-1111N)	Each	6			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
68	TOILET PAPER HOLDER Providing fitting and fixing chrome plated (CP) toilet paper holder of Jaquar make complete as directed and specified. Jaquar make Queen's toilet paper holder (Cat.No.AQN-7751)	Each	6			
69	WASTE COUPLING Providing, fitting and fixing Chrome Plated waste coupling complete as directed and specified. Jaquar make 32mm (HT/FT) (Cat.No.ALD-705 / 709)	Each	7			
70	BOTTLE TRAP Providing, fitting and fixing Chrome Plated bottle trap complete as directed and specified. Jaquar make Bottle trap (with internal partition) 32mm size with 250mm long wall connection pipe (Cat.No. ALD-769)	Each	6			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
71	PVC PIPES, BENDS, JUNCTIONS, TEES ETC. Supplying, fitting and fixing PVC pipes of 6 Kg/cm ² (Supreme/Prince) or other ISI approved including joining ,fitting and fixing wiyh clamps etc.as necessary complete at all levels including below G.L as directed and specified. a) In exposed surfaces or in trenches. (i) 110mm dia.	R.M.	50.00			
	(ii) 75mm dia.	R.M.	35.00			
	b) Concealed by chiselling or breaking brick wall/C.C./R.C.C and making good to the damages. (i) 110mm dia.	R.M.	18.00			
	(ii) 75mm dia.	R.M.	25.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
72	Supplying, fitting and fixing 87.5 degree PVC bend of (Supreme/Prince) or other ISI approved including joining ,fitting and fixing etc.as necessary complete at all levels including below G.L as directed and specified. a) In exposed surfaces or in trenches. (i) 110mm dia.	Each	2			
	(ii) 75 mm dia.	Each	2			
	(b) Concealed by chiselling or breaking brick wall/C.C/R.C.C. and making good to the damages. (i) 110mm dia.	Each	3			
	(ii) 75 mm dia.	Each	2			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
73	Supplying fitting and fixing 87.5 degree PVC bend with door of (Supreme/ Prince) or other ISI approved including joining, fitting and fixing etc.as necessary complete at all levels including below G.L. as directed and specified. a) In exposed surfaces or in trenches. (i) 110mm dia.	Each	2			
	(ii) 75 mm dia.	Each	2			
	(b) Concealed by chiselling or breaking brick wall/C.C/R.C.C. and making good to the damages. (i) 110mm dia.	Each	1			
	(ii) 75 mm dia.	Each	1			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
74	Supplying fitting and fixing 45degree PVC bend of (Supreme/Prince) or other ISI approved including joining , fitting and fixing etc. as necessary complete at all levels including below G.L. as directed and specified. a) In exposed surfaces or in trenches. (i) 110mm dia.	Each	2			
	(ii) 75 mm dia.	Each	2			
	(b) Concealed by chiselling or breaking brick wall/C.C/R.C.C. and making good to the damages. (i) 110mm dia.	Each	4			
	(ii) 75 mm dia.	Each	4			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
75	Supplying fitting and fixing PVC Plain single tee of (Supreme/ Prince) or other ISI approved including joining, fitting and fixing etc. as necessary complete at all levels including below G.L. as directed and specified. a) In exposed surfaces or in trenches. (i) 110mm dia.	Each	4			
	(ii) 75 mm dia.	Each	4			
	(b) Concealed by chiselling or breaking brick wall/C.C/R.C.C. and making good to the damages. (i) 110mm dia.	Each	4			
	(ii) 90mm dia.	Each	4			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
76	Supplying fitting and fixing PVC single 'Y' of (Supreme/Prince) or other ISI approved including joining , fitting and fixing etc. as necessary complete at all levels including below G.L. as directed and specified.	Each	2			
	a) In exposed surfaces or in trenches. (i) 110mm dia.					
	(ii) 75mm dia.	Each	2			
	(b) Concealed by chiselling or breaking brick wall/C.C/R.C.C. and making good to the damages. (i) 110mm dia.	Each	2			
	(ii) 75 mm dia.	R.M.	2			
77	COWEL Providing fitting and fixing 50mm dia. HCl cowel with cement caulking complete as directed and specified.	Each	4			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
78	<p>GRATING</p> <p>Providing fitting & fixing C.P.Grating to the floors complete as directed and specified.</p> <p>(a) 110mm dia</p>	Each	7			
79	<p>PIPING</p> <p>Supplying fitting and fixing SFMC (SAVOIR-FAIRE MANUFACTURING CO. PVT.LTD.) brand 3 layered (outer green coloured, UV Stabilised, middle black coloured and inner white coloured (with antimicrobial property) fusion welded P.P.R (Polypropelene Random Co-Polymer) pipes of following size with all necessary fitting such as bend , tee, elbow, reducer, plug and clamp etc. complete at all levels as directed and specified.</p> <p>(i) In exposed surface or trenches</p> <p>(a) 20 mm OD (PN-16) SFMC brand 3 layer P.P.R. pipe</p>	R.M.	10.00			
	<p>(b) 25 mm OD (PN-16) SFMC brand 3 layer P.P.R. pipe</p>	R.M.	20.00			
	<p>(c) 40 mm OD (PN-16) SFMC brand 3 layer P.P.R. pipe</p>	R.M.	40.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
80	BIB COCK Supplying fitting and fixing C.P. bib cock 15mm dia of approved brand directed and specified. (G.I. & C.P pipes will be measured separately) Essco make (Delux/Sumthing spl./Tropical) (a) Bib cock short body Jaquare make	Each	1			
	(b)Continental /Clarion (i)Standard	Each	11			
81	STOP COCK Supplying fitting and fixing stop-cock of approved brand of size as mentioned below and directed and specified (G.I. & C.P. pipes will be measured and paid separately) I) Brass stop cock (heavy) of Sant make (i) 25mm dia	Each	5			
	(ii) 40mm dia	Each	5			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
82	PILLAR COCK Supplying and fitting fixing C.P. pillar cock of 15mm dia of approved brand as specified and directed. Agmeco (classic) Flat	Each	7			
83	SHOWER Supplying fitting and fixing Chrome Plated (C.P.) shower 15mm dia. Of approved brand as directed and specified. (Pipes will be measured and paid separately) Essco make Casted shower arm heavy 190mm long with wall flange	Each	1			
	Jaquar make Pressure adjustable shower with revolving joint	Each	5			
84	VALVE Supplying and fitting gun metal country pit valve (full way valve) I.S.I. Make as specified and directed. a) 40 mm dia.	Each	2			
	b) 25 mm dia.	Each	2			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
85	Supplying and fitting ball valve as specified and directed.. a) 25 mm dia. (gun metal)	Each	2			
	b) 20mm dia. (gun metal)	Each	2			
86	WATER TANK Supplying and placing plastic cylindrical vertical closed top (PCVC) tank of Sintex / Polycon / Patton make over the staging with manhole cover with locking and cleaning arrangement including providing pads of size as required for inlet and outlet pipes (l) 2000 litre capacity (a) Sintex make	Each	1			
87	Neat Cement Punning	Sq.M.	25.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
88	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10 mm and down gauge), including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design In 75x75 mm deep chase	Metre	35.00			
89	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1 m x1 m x 400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete.	Each	4.00			
90	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.(i) Single socketed pipes. 110 mm diameter	Metre	26.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
91	Providing and fixing on wall face unplasticised - PVC moulded fittings / accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.					
(a)	Coupler 110 mm	Each	13			
(b)	Bend 87.5° 110 mm bend	Each	4			
(c)	Shoe (Plain) 110 mm bend	Each	4			
92	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete. 110 mm	Each	13			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
93	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.	Each	4			
94	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. Two coats	Sq.M.	2131.00			
95	Painting with synthetic enamel paint, having VOC (Volatile Organic Compound) content less than 150 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. Two coats	Sq.M.	653.00			
96	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. (i) With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre	Sq.M.	138.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
(ii)	With ready mixed red oxide zinc chromatic on steel / iron works having VOC content less than 250 grams/ litre	Sq.M.	139.00			
(iii)	With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	Sq.M.	2829.00			
97	Providing & fixing, volatile organic compound compliant and conforming to IS:13745-1993 Phenol bonded 65mm thick factory made work in Frames of door's made out of Eco friendly Bamboowood superior quality (interior use), approved / certified by GRIHA or IGBC or equivalent having density of 1000 Kg/m ³ to 1250 Kg/m ³ , Hardness 1000 Kgf to 1500 Kgf having tenon and mortise interlocking system in approved variant & colours / finishes and door frame to be fixed to the wall using G.I. screws of 100mm size as a complete job. The rate of material includes all charges such as Excise, VAT, octroi, carriage including loading, unloading and stacking at site complete as directed by Engineer in-charge	Cu.M.	2.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
98	Providing & fixing, volatile organic compound compliant and conforming to IS:13745-1993 Phenol bonded panelled or panelled and glazed shutters of doors, made out of Eco friendly Bamboowood superior quality (interior use) approved / certified by GRIHA or IGBC or equivalent, pre-molded / profiled including 15mm molding on one side of styles, top and bottom rails and 15mm molding on two sides of lock rails, styles and rails have 10mm wide and 25mm deep groove to fit in panels, having density of 1000 Kg/m ³ to 1250 Kg/m ³ , Hardness 1000 Kgf to 1500 Kgf, profiled interlocking system locked in place by bamboo pins in approved variant & colours / finishes as per manufacturer's specification and installation procedure and as per direction of Engineer in-charge. Excluding panelling / clerestory windows which will be paid for separately. The rate of material includes all charges such as Excise, VAT, octroi, carriage including loading, unloading and stacking at site complete as directed by Engineer in-charge	Sq.M.	38.00			
TOTAL : =Rs.						

Rupees

Signature of the Contractor.

Date & Seal :

Sl. No.	Specification of item of works	Unit	Quan- tities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	