

**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.**

SENIOR LEVEL OFFICERS

Sl. No.	Specification of item of works	Unit	Quantities	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 (I) Concrete Grade M30 (i) Pile dia 500 mm	R.M.	5280.00			
2	MISCELLANEOUS Extra for using admixture & plasticiser (a) RCC grade M30 i) Pile Dia 500 mm	R.M.	5280.00			

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				(in Figures)	(in Words)	
3	REINFORCEMENT 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) (A) TMT bar made of Primary producer (From Primary producer)	Qtl	1128.00			
4	DISMANTLING WORKS. 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.	Cu.M.	63.00			
5	PILE TESTS. 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)	Ton	210.00			
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	140.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
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	264.00			
8	EARTHWORK IN EXCAVATION 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. (A) Up to a depth of 2.00m below the existing ground level. (a) In ordinary soil	Cu.M.	765.00			
9	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. (a) With river sand or silt (predominantly non plastic) by truck carriage including loading and unloading.	Cu.M.	103.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
10	PLAIN CEMENT CONCRETE WORKS 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). (a) In prop 1cement: 4 sand :8 coarse aggregate by volume	Cu.M.	75.00			
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.	511.00			
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.	16.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
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) (I) 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. I) Using admixture, plasticiser etc for air entraining, water reducing purposes including addition of agent for changing normal setting time of concrete as required. a) M20 grade concrete or Prop. 1:1.5:3	Cu.M.	20.00			
	b) M30 grade concrete	Cu.M.	780.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
	(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) M30 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) M30 grade concrete.	Cu.M.	3.00			
	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) M30 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) M30 grade concrete.	Cu.M.	13.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
	From 2nd floor level to 3rd floor level. (i) Walls (thickness not less than 100mm) including attached pillasters, buttresses, plinth and string course etc. I) Using admixture, plasticiser etc. a) M30 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. I) Using admixture, plasticiser etc. a) M30 grade concrete.					
	From 3rd floor level to 4th floor level. (i) Walls (thickness not less than 100mm) including attached pillasters, buttresses, plinth and string course etc. I) Without using admixture, plasticiser a) M30 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. I) Without using admixture, plasticiser a) M20 grade concrete or Prop. 1:1.5:3	Cu.M.	13.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
	From 4th floor level to 5th floor level. (i) Walls (thickness not less than 100mm) including attached pillasters, buttresses, plinth and string course etc. I) Without using admixture, plasticiser a) M30 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. I) Without using admixture, plasticiser a) M20 grade concrete or Prop. 1:1.5:3	Cu.M.	13.00			
	From 5th floor level to 6th floor level. (i) Walls (thickness not less than 100mm) including attached pillasters, buttresses, plinth and string course etc. I) Without using admixture, plasticiser a) M30 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. I) Without using admixture, plasticiser a) M20 grade concrete or Prop. 1:1.5:3	Cu.M.	13.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
	From 6th floor level to 7th floor level. (i) Walls (thickness not less than 100mm) including attached pillasters, buttresses, plinth and string course etc. I) Without using admixture, plasticiser a) M30 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. I) Without using admixture, plasticiser a) M20 grade concrete or Prop. 1:1.5:3	Cu.M.	13.00			
	From 7th floor level to 8th floor level. (i) Walls (thickness not less than 100mm) including attached pillasters, buttresses, plinth and string course etc. I) Without using admixture, plasticiser a) M30 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. I) Without using admixture, plasticiser a) M20 grade concrete or Prop. 1:1.5:3	Cu.M.	13.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
	From 8th floor level to 9th floor level. (i) Walls (thickness not less than 100mm) including attached pillasters, buttresses, plinth and string course etc. I) Without using admixture, plasticiser a) M30 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. I) Without using admixture, plasticiser a) M20 grade concrete or Prop. 1:1.5:3	Cu.M.	13.00			
	From 9th floor level to 10th floor level. (i) Walls (thickness not less than 100mm) including attached pillasters, buttresses, plinth and string course etc. I) Without using admixture, plasticiser a) M30 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. I) Without using admixture, plasticiser a) M20 grade concrete or Prop. 1:1.5:3	Cu.M.	13.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
	At Terrace Floor Level. (i) Walls (thickness not less than 100mm) including attached pillasters, buttresses, plinth and string course etc. I) Without using admixture, plasticiser a) M30 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. I) Without using admixture, plasticiser a) M20 grade concrete or Prop. 1:1.5:3	Cu.M.	3.00			
	II Using Batching plant / RMC / Truck mounted batching plant including Transit Mixer and Concrete Pump. I. Using admixture, plasticiser etc. a) M30 grade concrete.	Cu.M.	2570.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
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 25mm thick plank	Sq.M.	461.00			
ii)	Sides of tie beams, grade beams etc. at or below ground level. (a) Using 25mm thick plank	Sq.M.	345.00			
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.	656.00			
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.	883.00			
v)	Flat Surfaces such as soffits of suspended floors, roofs, landings, cantelever slabs, chajjas, balconies and the like. (a) Floors etc. upto 200mm in thickness. (i) Using 25mm thick plank	Sq.M.	543.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
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. (ii) Using 25mm thick plank	Sq.M.	297.00			
vii)	Staircase with sloping or stepped soffits including risers and stringers but excluding Landing. (Using 38mm thick plank)	Sq.M.	74.00			
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 (i) Using 38mm thick plank	Sq.M.	406.00			
ii)	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.	883.00			
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. (i) Using 25mm thick plank	Sq.M.	543.00			

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				(in Figures)	(in Words)	
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. (ii) Using 25mm thick plank	Sq.M.	297.00			
v)	Staircase with sloping or stepped soffits including risers and stringers but excluding Landing. (Using 38mm thick plank)	Sq.M.	74.00			
From 2nd floor level to 3rd floor level.						
i)	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.	406.00			
ii)	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.	883.00			
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. (i) Using 25mm thick plank	Sq.M.	543.00			
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.	297.00			

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				(in Figures)	(in Words)	
v)	Staircase with sloping or stepped soffits including risers and stringers but excluding Landing. (Using 38mm thick plank)	Sq.M.	74.00			
i)	From 3rd floor level to 4th floor level.					
	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.	406.00			
	ii) 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.	883.00			
	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. (i) Using 25mm thick plank	Sq.M.	543.00			
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.	297.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
v)	Staircase with sloping or stepped soffits including risers and stringers but excluding Landing. (Using 38mm thick plank)	Sq.M.	74.00			
i)	From 4th floor level to 5th floor level. 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.	406.00			
ii)	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.	883.00			
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. (i) Using 25mm thick plank	Sq.M.	543.00			
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.	297.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
v)	Staircase with sloping or stepped soffits including risers and stringers but excluding Landing. (Using 38mm thick plank)	Sq.M.	74.00			
i)	From 5th floor level to 6th floor level. Columns, Pillars, Posts & Strut (a) Square, Rectangular, polygonal in plan or any (i) Using 38mm thick plank	Sq.M.	406.00			
ii)	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.	883.00			
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. (i) Using 25mm thick plank	Sq.M.	543.00			
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.	297.00			
v)	Staircase with sloping or stepped soffits including risers and stringers but excluding Landing. (Using 38mm thick plank)	Sq.M.	74.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
i)	From 6th floor level to 7th floor level. 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.	406.00			
	ii) 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.	883.00			
	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. (i) Using 25mm thick plank	Sq.M.	543.00			
	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.	297.00			
	v) Staircase with sloping or stepped soffits including risers and stringers but excluding Landing. (Using 38mm thick plank)	Sq.M.	74.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
	From 7th floor level to 8th floor level.					
i)	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.	406.00			
ii)	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.	883.00			
iii)	Flat Surfaces such as soffits of suspended floors, roofs, landings, cantelever slabs, chajjas, balconies and the like. (a) Floors etc. upto 200mm in thickness. (i) Using 25mm thick plank	Sq.M.	543.00			
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.	297.00			
	Staircase with sloping or stepped soffits including risers and stringers but excluding Landing. (Using 38mm thick plank)	Sq.M.	74.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
i)	From 8th floor level to 9th floor level. 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.	406.00			
ii)	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.	883.00			
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. (i) Using 25mm thick plank	Sq.M.	543.00			
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. (ii) Using 25mm thick plank	Sq.M.	297.00			
v)	Staircase with sloping or stepped soffits including risers and stringers but excluding Landing. (Using 38mm thick plank)	Sq.M.	74.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
	At Terrace Level.					
i)	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.	161.00			
ii)	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.	329.00			
iii)	Flat Surfaces such as soffits of suspended floors, roofs, landings, cantelever slabs, chajjas, balconies and the like. (a) Floors etc. upto 200mm in thickness. (i) Using 25mm thick plank	Sq.M.	292.00			
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.	290.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
15	Providing scaffolding using L&T-Doka access scaffold system upto a height of 40m. supported by frames of timber H-beams, bracings including suitable couplers, pins, tower spindles and 2nd class timber plank platforms complete as specified and directed by the department. (measurement to be taken on elevation area of the building/structure).	Sq.M.	3623.00			
16	MASONRY WORKS 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. (a).Brick on flat soling.	Sq.M.	1172.00			
17	IN SUB-STRUCTURE. Brick work in cement mortar with 1st class brick including racking out joints and dewatering if necessary, and curing complete as directed (I) In Sub-structure up to plinth level. (a). In proportion 1:4.	Cu.M.	261.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
18	AUTOCLAVED AERATED CONCRETE BLOCK. Superlight Weight Autoclaved Aerated concrete Block work using AAC block of size 625x240mmm of different thickness of compressive strength 35 Kg/Cm ² 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 will be measured and paid separately) (I) In Super-structure above plinth level upto 1st floor level. a) For 125mm thick wall.	Sq.M.	189.00			
	From 1st floor level to 2nd floor level. a) For 125mm thick wall.	Sq.M.	759.00			
	From 2nd floor level to 3rd floor level. a) For 125mm thick wall.	Sq.M.	759.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
	From 3rd floor level to 4th floor level. a For 125mm thick wall.	Sq.M.	759.00			
	From 4th floor level to 5th floor level. a) For 125mm thick wall.	Sq.M.	759.00			
	From 5th floor level to 6th floor level. a) For 125mm thick wall.	Sq.M.	759.00			
	From 6th floor level to 7th floor level. a) For 125mm thick wall.	Sq.M.	759.00			
	From 7th floor level to 8th floor level. a) For 125mm thick wall.	Sq.M.	759.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
	From 8th floor level to 9th floor level. a) For 125mm thick wall.	Sq.M.	759.00			
	From 9th floor level to 10th floor level. a) For 125mm thick wall.	Sq.M.	759.00			
	From 10th floor level to 11th floor level. a) For 125mm thick wall.	Sq.M.	236.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
	TILES WORKS 1. CERAMIC TILES A) ON FLOOR 19 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). a) Normal range (Somany/ Orient/ Nitco /Asian) i) Of size 300mmx 300mm and above	Sq.M.	319.00			
20	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). Of size 200mmx 300mm and above	Sq.M.	1345.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
21	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) a) Normal range Somany/ Orient /Nitco /Varmora/ VITA/ Marbito/ Make Of size 600mmx 600mm and above	Sq.M.	4082.00			
22	CONCRETE TILES (C) PAVERS 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. SUN ROCK HIGH CTS /Devi Tiles (Pavers) 60 mm thick	Sq.M.	374.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
23	KOTA STONE SLAB / SAND STONE FLOORING Kota-stone slab flooring of 18 mm thick over 20mm thick base of cement plaster 1:6 (1 cement : 6 coarse sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete. 600mm x 900mm and above	Sq.M.	443.00			
24	Kota stone slab of 18 mm thick in riser of steps, skirting, dado and pillars laid with 10mm thick cement plaster 1:3 (1 cement : 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs including rubbing and polishing complete. (a) 600mm x 900mm and above	Sq.M.	96.00			
25	MARBLE FLOORING 18 mm thick marble stone tiles in flooring including risers and treads of steps, skirting, dado, walls, pillars laid with 10 mm thick base of cement plaster in prop.1:3 (1 cement : 3 coarse sand) and jointed with grey cement slurry including rubbing and polishing complete with marble tiles of specified quality and shade at all levels. With 18mm thick marble stone tiles of size 600mm x 450 mm, 600mm x 300mm Rajnagar Marble	Sq.M.	418.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
26	GRANITE FLOORING 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) With White cement	Sq.M.	14.00			
27	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). Executive Quality With Fix-A-Tile (Choksey /Sika/ Pedelite/Rouf)	Sq.M.	81.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
28	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. (i). In cement mortar 1:4	Sq.M.	2826.00			
(a)	From 1st floor level to 2nd floor level.	Sq.M.	3525.00			
(b)	From 2nd floor level to 3rd floor level.	Sq.M.	3525.00			
(c)	From 3rd floor level to 4th floor level.	Sq.M.	3525.00			
(d)	From 4th floor level to 5th floor level.	Sq.M.	3525.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
(e)	From 5th floor level to 6th floor level.	Sq.M.	3525.00			
(f)	From 6th floor level to 7th floor level.	Sq.M.	3525.00			
(g)	From 7th floor level to 8th floor level.	Sq.M.	3525.00			
(h)	From 8th floor level to 9th floor level.	Sq.M.	3525.00			
(i)	From 9th floor level to 10th floor level.	Sq.M.	3525.00			
(j)	Terrace floor level.	Sq.M.	1453.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
29	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. A) On rough side (a). In cement mortar 1:4	Sq.M.	189.00			
(a)	From 1st floor level to 2nd floor level.	Sq.M.	759.00			
(b)	From 2nd floor level to 3rd floor level.	Sq.M.	759.00			
(c)	From 3rd floor level to 4th floor level.	Sq.M.	759.00			
(d)	From 4th floor level to 5th floor level.	Sq.M.	759.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
(e)	From 5th floor level to 6th floor level.	Sq.M.	759.00			
(f)	From 6th floor level to 7th floor level.	Sq.M.	759.00			
(g)	From 7th floor level to 8th floor level.	Sq.M.	759.00			
(j)	From 8th floor level to 9th floor level.	Sq.M.	759.00			
(i)	From 9th floor level to 10th floor level.	Sq.M.	759.00			
(j)	Terrace floor level.	Sq.M.	236.00			
30	Extra for plastering on ceiling and soffits of stairs up to 1st floor level (instead of plastering on walls) including curing complete as directed.	Sq.M.	189.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
(a)	From 1st floor level to 2nd floor level.	Sq.M.	759.00			
(b)	From 2nd floor level to 3rd floor level.	Sq.M.	759.00			
(c)	From 3rd floor level to 4th floor level.	Sq.M.	759.00			
(d)	From 4th floor level to 5th floor level.	Sq.M.	759.00			
(e)	From 5th floor level to 6th floor level.	Sq.M.	759.00			

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

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
(f)	From 6th floor level to 7th floor level.	Sq.M.	759.00			
(g)	From 7th floor level to 8th floor level.	Sq.M.	759.00			
(h)	From 8th floor level to 9th floor level.	Sq.M.	759.00			
(i)	From 9th floor level to 10th floor level.	Sq.M.	759.00			
(j)	Terrace floor level.	Sq.M.	236.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
31	ROOF TREATMENT 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)	Cu.M.	26.00			
	(b) Cement mortar (i) 1:3 (1 cement: 3 coarse sand)	Cu.M.	26.00			
32	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,sandwiching, 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. (ii) 35 mm thick with panel inserts of 20mm thickness.	Sq.M.	46.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
33	GRILLS Providing, fitting and fixing M.S. grill of required pattern for windows/ clerestory windows/ opening with M.S. flats at required spacing in frame all round, square or round M.S. bars with round headed bolts and nuts or screws. I . Plain grill Fixed to Brickwork /P.C.C /R.C.C.	Kg.	5850.00			
34	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	465.00			
35	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 separately) 29mm thick	Sq.M.	156.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
36	Fixed Windows. Supplying and installing uPVC- Fixed 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 glazing bead , grooving bead, drain cap, fisher screws, packing pieces, necessary stainless steel 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. With 5mm clear glass	Sq.M.	80.00			
	(a) ProVent fixe window Using uPVC sections of size 37mm x 43mm x 2.2mm thick wall for frame and 37mm x 56mm x 2.2mm thick wall for sash having 1.5mm thick reinforcement for both frame & sash. (WINSTA KOMMERLING/ FINESTA/ ENCRAFT)					

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
37	<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. With 5mm clear glass</p> <p>(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)</p> <p>(i) 2-Panel with 5mm clear float glass</p>	Sq.M.	233.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
38	<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> <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.	77.00			
		Sq.M.	83.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
39	<p>Sliding Doors.</p> <p>Supplying and installing uPVC- sliding door made out of Lead free, UV resistant green profile of BIS standard uPVC multichambered sections with corners fusion welded, fully reinforced with Galvanized steel minimum 2mm including interlock profile, glazing bead, grooving bead, brush seal, locking arrangement, 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. Fittings ROTO / GQ or Equivalent. Application of silicon sealant from inside / outside of Dowcorning / GE or equivalent complete as directed.</p> <p>II) 2 Track Sliding door without Flyscreen using uPVC section of minimum size 88mm x 50mm x 2.8mm thick wall for frame, 37mm x 75mm x 2.8mm thick wall for flyscreen sash, Interlock: 43mm x 23mm (Glass Panel) (WINSTA KOMMERLING/ FINESTA/ ENCRAFT) 2-Panel Using 5mm clear float glass</p>	Sq.M.	338.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
40	CEMENT PAINT & PRIMER a) Applying one coat of cement primer of approved brand and manufacture on new wall surface after throughly brooming the surfaces free from mortar droppings and other foreign matter and including preparing the surface even and sand papered smooth.	Sq.M.	43260.00			
41	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) Thickness = 1.5 mm thick	Sq.M.	43260.00			
42	WALL PAINTING Wall painting (two coats) with Plastic emulsion paint of approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac) on new surface to give an even shade after throughly brushing the surfaces free from mortar droppings and other foreign matter and sand papered smooth. (a).Plastic Emulsion Paint of approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac)	Sq.M.	32858.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
43	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)	Sq.M.	7256.00			
44	ALUMINIUM FITTINGS Supplying, fitting, fixing anodised aluminium fittings of approved make, resonably 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)					
	a) Sliding door bolts i) 300mm x 16mm	Each	369			
	b) Tower bolts i) 250mm x 12mm	Each	720			
	c) Door handles i) 150mm	Each	792			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
	d) Hydraulic door closure	Each	360			
	e) Door stopper with rubber stopper	Each	360			
45	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)					
	(i) From Primary Producer: TATA/SAIL/Essex Steel/Jindal steel/Shyam steel/RINL Super Ductile (SD) TMT reinforcement bars	Qtl.	1509.00			
	(ii) From 1st floor level to 2nd floor level.	Qtl.	522.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
(iii)	From 2nd floor level to 3rd floor level.	Qtl.	554.00			
(iv)	From 3rd floor level to 4th floor level.	Qtl.	523.00			
(v)	From 4th floor level to 5th floor level.	Qtl.	562.00			
(vi)	From 5th floor level to 6th floor level.	Qtl.	529.00			
(vii)	From 6th floor level to 7th floor level.	Qtl.	562.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
(viii)	From 7th floor level to 8th floor level.	Qtl.	513.00			
(ix)	From 8th floor level to 9th floor level.	Qtl.	539.00			
(x)	From 9th floor level to 10th floor level.	Qtl.	512.00			
(xi)	Terrace Level	Qtl.	275.00			
46	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.	Each	216			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
47	COLLAPSIBLE / ROLLING SHUTTERS Providing and fixing in position collapsible M.S. shutters with vertical channels 20mmx10mmx2mm braced with flat iron diagonals 20mmx5mm size with top and bottom rails of T-iron 40mmx40mmx6mm with 38mm dia steel pulleys complete with bolts and nuts, locking arrangements, stoppers, handles including applying a priming coat of red lead paint.	Sq.M.	10.00			
48	STEEL RAILING 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.)	Kg.	5018.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
49	<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 chloropirophose solution (trichel or euivalent) and water, i.e. 1% solution.</p>	Sq.M.	510.00			
50	<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 chloropirophose solution (trichel or euivalent) and water, i.e. 1% solution.</p>	Sq.M.	510.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
51	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. a) with aqueous emulsion having concentration 1:19 with chloropirophose solution (trichel or euivalent) and water, i.e. 1% solution.	R.M.	110.00			
52	Over Deck (Roof) Insulation : SINGLE LAYER SYSTEM OVER CONCRETE DECK / ACCESSIBLE roof (For Hydro & Thermal Insulation with INSUBOARD) 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)	Sq.M.	510.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
53	SANITARY WORKS INDIAN TYPE WATER CLOSET 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 separately) Jaquar make White Size 623x480x355 - Anglo Indian S Trap (Cat No. CNS-WHT-WH12) (inclusive of seat cover)	Each	19			
54	EUROPEAN TYPE WATER CLOSET 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) Jaquar make White Florentine (Cat. No. FLS-WHT-0111) (inclusive of seat cover and fittings)	Each	72			
55	PVC FLUSHING CISTERN 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) Parryware make White Economy Single Flush (Cat No.C8090 / C8055)	Each	19			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
56	CONCEALED CISTERN 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) Jaquar make Concealed Cistern (Cat.No.CIB-WHT-31801011X) with Control Plate (CP) (Cat. No. CIS-CHR-31191510X)	Each	72			
57	WASH BASIN 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) PEDESTAL BASIN (with pedestal) Parryware Make White Duke 660 x 495 (Cat. No.C8416/27) (white/coloured) Basin (without pedestal)	Each	90			
	Hindware Make White Standard 630 x 450 (Cat. No.10001)	Each	19			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
58	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	18			
59	MIRROR Providing fitting and fixing Mirror with plastic frame of size 500x400mm complete as directed and specified.	Each	19			
60	Providing fitting and fixing Decorative Mirror complete as directed and specified. (A) Parryware Make (a) Size 800mm x 600mm	Each	90			
61	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	90			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
62	SOAP TRAY, SOAP DISH, LIQUID SOAP DISPENSER AND LIQUID SOAP CONTAINER Providing, fitting and fixing recessed soap tray / soap dish complete as directed and specified. Parryware Make Wall Soap tray (Cat. No.C9951)	Each	90			
63	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	90			
64	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	72			
65	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	90			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
66	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	109			
67	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) 160mm dia.	R.M.	430.00			
	(ii) 110mm dia.	R.M.	440.00			
	b) Concealed by chiselling or breaking brick wall/C.C./R.C.C and making good to the damages. (i) 160mm dia.	R.M.	270.00			
	(ii) 110mm dia.	R.M.	350.00			
68	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.	Each	35			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
	a) In exposed surfaces or in trenches. (i) 110mm dia.					
	(ii) 75 mm dia.	Each	35			
	(b) Concealed by chiselling or breaking brick wall/C.C/R.C.C. and making good to the damages. (i) 110mm dia.	Each	40			
	(ii) 75 mm dia.	Each	40			
69	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) 160mm dia.	Each	90			
	(ii) 110 mm dia.	Each	109			
	(b) Concealed by chiselling or breaking brick wall/C.C/R.C.C. and making good to the damages. (i) 160mm dia.	Each	30			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
	(ii) 110 mm dia.	Each	30			
70	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	90			
	(ii) 75 mm dia.	Each	90			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
	(b) Concealed by chiselling or breaking brick wall/C.C/R.C.C. and making good to the damages. (i) 110mm dia.	Each	90			
	(ii) 75 mm dia.	Each	90			
71	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	90			
	(ii) 75 mm dia.	Each	109			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
	(b) Concealed by chiselling or breaking brick wall/C.C/R.C.C. and making good to the damages. (i) 110mm dia.	Each	90			
	(ii) 90mm dia.	Each	109			
72	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. a) In exposed surfaces or in trenches. (i) 110mm dia.	Each	30			
	(ii) 75mm dia.	Each	30			
	(b) Concealed by chiselling or breaking brick wall/C.C/R.C.C. and making good to the damages. (i) 110mm dia.	Each	35			
	(ii) 75 mm dia.	R.M.	35			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
73	COWEL Providing fitting and fixing 50mm dia. HCI cowel with cement caulking complete as directed and specified.	Each	12			
74	GRATING Providing fitting & fixing C.P.Grating to the floors complete as directed and specified. (a) 110mm dia	Each	90			
75	AJAY FLOWGUARD CPVC PIPE. Supplying fitting and fixing Ajoy Flowguard CPVC (Chlorinated Polyvinyl Chloride) pipes having thermal stability for hot and cold water supply including all CPVC plain and bruss threaded fitting including clamps at 1.00 m spacing including joining of pipes and fitting with one step CPVC solvent cement and testing of joints complete at all levels as directed and specified. (Note: Ball valve and union will be charged extra and does not comes under Accessories) (i) In internal wall - exposed on wall (a) 40 mm OD	R.M.	120.00			
	(b) 50mm PD	R.M.	490.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
	(ii) Concealed by chiselling or breaking brick wall/C.C/R.C.C and making good to damages					
	(a) 15 mm OD	R.M.	270.00			
	(b) 20 mm OD	R.M.	70.00			
	(c) 25 mm OD	R.M.	400.00			
	(d) 32 mm OD	R.M.	50.00			
76	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	Each	109			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
77	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) 20mm dia	Each	19			
	(ii) 25mm dia	Each	90			
78	PILLAR COCK Supplying and fitting fixing C.P. pillar cock of 15mm dia of approved brand as specified and directed. Agmeco (classic) (a) Flat	Each	109			
	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) Jaquar make (i) Pressure adjustable shower with revolving joint	Each	109			
79	VALVE Supplying and fitting gun metal country pit valve (full way valve) I.S.I. Make as specified and directed. a) 50 mm dia.	Each	12			
	b) 25 mm dia.	Each	20			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
80	Supplying fitting and fixing gun metal check valve including necessary threads to pipes. a) 50 mm dia. (Heavy duty)	Each	12			
81	Neat Cement Punning	Sq.M.	43260.00			
82	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	384.00			
83	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	192			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
(b)	Bend 87.5° 110 mm bend	Each	12			
©	Shoe (Plain) 110 mm bend	Each	12			
84	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	12			
85	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	12			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
86	Distempering with 1st quality acrylic distemper, 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. (a) One coat	Sq.M.	1897.00			
	(b) Two coats	Sq.M.	1897.00			
87	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. (a) One coat	Sq.M.	7256.00			
	(b) Two coats	Sq.M.	7256.00			
88	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. One coat	Sq.M.	1946.00			
	Two coats	Sq.M.	1946.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
89	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content.					
(a)	With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre	Sq.M.	1166.00			
(b)	With ready mixed red oxide zinc chromatic on steel / iron works having VOC content less than 250 grams/ litre	Sq.M.	780.00			
©	With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	Sq.M.	43260.00			
90	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/m3 to 1250 Kg/m3, 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.	30.00			

Sl. No.	Specification of item of works	Unit	Quantities	Rate in Rs.		Amount (in Rs.)
				(in Figures)	(in Words)	
91	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/m3 to 1250 Kg/m3, 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.	583.00			
TOTAL =Rs.						

Rupees

Signature of the Contractor :

Date & Seal :