

**CONSTRUCTION OF PROPOSED ARANYA BHAWAN ANNEX
– AT PANJABARI, GUWAHATI - 781 037.
SECURITY BARRACK**

Sl. No	Specification of item of works	Unit	Qty	Rate	Amount
	PILING WORKS				
	MACHINE DRIVEN PILES				
1	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.				
	C) UNIFORM PILE				
	(I) Concrete Grade M25				
	(iii) Pile dia 400 mm	R.M.	1089.00		
2	MISCELLANEOUS				
	Extra for using admixture & plasticiser				
	(b) RCC grade M25				
	iv) Pile Dia 400 mm	R.M.	1089.00		
	REINFORCEMENT				
3	Supplying, fitting and fixing in position reinforcement bars conforming to relevant 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	204.00		
	PILE TESTS.				
4	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	65.00		

Sl. No	Specification of item of works	Unit	Qty	Rate	Amount
5	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	44.00		
	DISMANTLING WORKS.				
6	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.	13.00		
	EARTHWORK IN EXCAVATION				
7	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.	Cu.M.	120.00		
	(a) In ordinary soil				
8	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.	Cu.M.	44.50		
	(c) With river sand or silt (predominantly non plastic) by truck carriage including loading and unloading.				

Sl. No	Specification of item of works	Unit	Qty	Rate	Amount
	PLAIN CEMENT CONCRETE WORKS				
9	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).	Cu.M.	15.00		
	(a) In prop 1cement: 3 sand :6coarse aggregate by volume				
10	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.	Sq.M.	35.50		
	(c). 100 mm thick in prop 1:3:6				
11	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.	5.00		
	REINFORCED CEMENT CONCRETE WORKS				
12	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 Mixer 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.	Cu.M.	67.00		
	N) Without using admixture, plasticiser				
	c) M25 grade concrete				

Sl. No	Specification of item of works	Unit	Qty	Rate	Amount
	(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.	Cu.M.	7.00		
	N) Without using admixture, plasticiser				
	c) M25 grade concrete.				
	(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.	Cu.M.	64.00		
	N) Without using admixture, plasticiser				
	c) M25 grade concrete.				
	From 1st floor level to 2nd floor level.				
	(i) Walls (thickness not less than 100mm) including attached pillasters, buttresses, plinth and string course etc.	Cu.M.	6.00		
	N) Without using admixture, plasticiser				
	c) M25 grade concrete.				
	(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.	Cu.M.	68.00		
	N) Without using admixture, plasticiser				
	c) M25 grade concrete.				

Sl. No	Specification of item of works				Unit	Qty	Rate	Amount
	From 2nd floor level to 3rd floor level.							
	(i)	Walls (thickness not less than 100mm) including attached pillasters, buttresses, plinth and string course etc.			Cu.M.	6.00		
	N)	Without using admixture, plasticiser						
	d)	M25 grade concrete.						
	(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.			Cu.M.	68.00		
	N)	Without using admixture, plasticiser						
	c)	M25 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.			Cu.M.	6.00		
	N)	Without using admixture, plasticiser						
	c)	M25 grade concrete.						
	(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.			Cu.M.	68.00		
	N)	Without using admixture, plasticiser						
	c)	M25 grade concrete.						

Sl. No	Specification of item of works				Unit	Qty	Rate	Amount
	From 4th floor level to 5th floor level.							
	(i)	Walls (thickness not less than 100mm) including attached pillasters, buttresses, plinth and string course etc.			Cu.M.	6.00		
	N)	Without using admixture, plasticiser						
	c)	M25 grade concrete.						
	(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.			Cu.M.	68.00		
	N)	Without using admixture, plasticiser						
	c)	M25 grade concrete.						
	Above 5th floor level.							
	(i)	Walls (thickness not less than 100mm) including attached pillasters, buttresses, plinth and string course etc.			Cu.M.	4.00		
	N)	Without using admixture, plasticiser						
	c)	M25 grade concrete.						
	(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.			Cu.M.	17.00		
	N)	Without using admixture, plasticiser						
	c)	M25 grade concrete.						

Sl. No	Specification of item of works	Unit	Qty	Rate	Amount
	TIMBER SHUTTERING (FORMWORK)				
13	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:				
	Foundation, footings, bases of columns, pile cap, raft and mass concrete works etc.	Sq.M.	145.00		
	(a) Using 38mm thick plank				
	Sides of tie beams, grade beams etc. at or below ground level.	Sq.M.	107.00		
	(b) Using 25mm thick plank				
	Columns, Pillars, Posts & Strut				
	(a) Square, Rectangular, polygonal in plan or any shape like Tee/L etc. having plane vertical face	Sq.M.	115.00		
	(i) Using 38mm thick plank				
	Sides and Soffits of Beams, beam haunchings, cantilever girders, bressumers, lintels and horizontal ties.				
	(a) For depth not exceeding 1.0M.	Sq.M.	235.00		
	(i) Using 38mm thick plank				
	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.	258.00		
	(i) Using 38mm thick plank				
	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.	Sq.M.	139.00		
	(ii) Using 25mm thick plank				
	Staircase with sloping or stepped soffits including risers and stringers but excluding Landing. (Using 38mm thick plank)	Sq.M.	15.00		

Sl. No	Specification of item of works				Unit	Qty	Rate	Amount
	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.	120.00		
	(i)	Using 38mm thick plank						
	Sides and Soffits of Beams, beam haunchings, cantilever girders, bressumers, lintels and horizontal ties.							
	(a)	For depth not exceeding 1.0M.			Sq.M.	235.00		
	(i)	Using 38mm thick plank						
	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.	258.00		
	(i)	Using 25mm thick plank						
	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.				Sq.M.	139.00		
	(ii)	Using 25mm thick plank						
	Staircase with sloping or stepped soffits including risers and stringers but excluding Landing. (Using 38mm thick plank)				Sq.M.	15.00		
	From 2nd floor level to 3rd 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.	120.00		
	(i)	Using 38mm thick plank						
	Sides and Soffits of Beams, beam haunchings, cantilever girders, bressumers, lintels and horizontal ties.							
	(a)	For depth not exceeding 1.0M.			Sq.M.	235.00		
	(i)	Using 38mm thick plank						

Sl. No	Specification of item of works				Unit	Qty	Rate	Amount
	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.	258.00		
	(i)	Using 25mm thick plank						
	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.				Sq.M.	139.00		
	(ii)	Using 25mm thick plank						
	Staircase with sloping or stepped soffits including risers and stringers but excluding Landing. (Using 38mm thick plank)				Sq.M.	15.00		
	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			Sq.M.	120.00		
	(i)	Using 38mm thick plank						
	Sides and Soffits of Beams, beam haunchings, cantilever girders, bressumers, lintels and horizontal ties.							
	(a)	For depth not exceeding 1.0M.			Sq.M.	235.00		
	(i)	Using 38mm thick plank						
	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.	258.00		
	(i)	Using 25mm thick plank						
	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.				Sq.M.	139.00		
	(ii)	Using 25mm thick plank						
	Staircase with sloping or stepped soffits including risers and stringers but excluding Landing. (Using 38mm thick plank)				Sq.M.	15.00		

Sl. No	Specification of item of works					Unit	Qty	Rate	Amount
	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				Sq.M.	120.00		
	(i)	Using 38mm thick plank							
	Sides and Soffits of Beams, beam haunchings, cantilever girders, bressumers, lintels and horizontal ties.								
	(a)	For depth not exceeding 1.0M.				Sq.M.	235.00		
	(i)	Using 38mm thick plank							
	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.	258.00		
	(i)	Using 25mm thick plank							
	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.					Sq.M.	139.00		
	(ii)	Using 25mm thick plank							
	Staircase with sloping or stepped soffits including risers and stringers but excluding Landing. (Using 38mm thick plank)					Sq.M.	15.00		
	Above 5th 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.	70.00		
	(i)	Using 38mm thick plank							
	Sides and Soffits of Beams, beam haunchings, cantilever girders, bressumers, lintels and horizontal ties.								
	(a)	For depth not exceeding 1.0M.				Sq.M.	60.00		
	(i)	Using 38mm thick plank							
	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.	48.00		
	(i)	Using 25mm thick plank							

Sl. No	Specification of item of works	Unit	Qty	Rate	Amount
	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.	Sq.M.	55.00		
	(ii) Using 25mm thick plank				
	MASONRY WORKS				
14	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.	Sq.M.	299.00		
	(a).Brick on flat soling.				
	IN SUB-STRUCTURE.				
15	Brick work in cement mortar with 1st class brick including racking out joints and dewatering if necessary, and curing complete as directed				
	(l) In Sub-structure up to plinth level.	Cu.M.	14.50		
	(b). In proportion 1:4.				
	IN SUPERSTRUCTURE.				
16	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)				
	(A) 112mm thick brick wall				
	(a) In cement mortar in proportion 1:4. (1 cement:4 sand)	Sq.M.	85.00		
	From 1st floor level to 2nd floor level.				
	(A) 112mm thick brick wall				
	(a) In cement mortar in proportion 1:4. (1 cement:4 sand)	Sq.M.	290.00		
	From 2nd floor level to 3rd floor level.				
	(A) 112mm thick brick wall				
	(a) In cement mortar in proportion 1:4. (1 cement:4 sand)	Sq.M.	290.00		

Sl. No	Specification of item of works	Unit	Qty	Rate	Amount
	From 3rd floor level to 4th floor level.				
	(A) 112mm thick brick wall				
	(a) In cement mortar in proportion 1:4. (1 cement:4 sand)	Sq.M.	290.00		
	From 4th floor level to 5th floor level.				
	(A) 112mm thick brick wall				
	(a) In cement mortar in proportion 1:4. (1 cement:4 sand)	Sq.M.	290.00		
	From 5th floor level to 6th floor level.				
	(A) 112mm thick brick wall				
	(a) In cement mortar in proportion 1:4. (1 cement:4 sand)	Sq.M.	135.00		
	CEMENT CONCRETE FLOORING				
17	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.	Sq.M.	542.00		
18	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.	Sq.M.	80.00		
	(a) 15 mm thick				

Sl. No	Specification of item of works	Unit	Qty	Rate	Amount
	TILES WORKS				
	1. CERAMIC TILES				
	A) ON WALLS				
19	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).	Sq.M.	98.00		
	ii) Of size 200mmx 300mm and above				
	ANTISKID TILES				
20	Providing Antiskid Tiles of approved quality size, shape not less than 8mm on floor, skirting over a cement mortar bed 15mm thick of 1:3 (1 cement: 3 coarse sand) approved make fix with Fix-A-Tile (Choksey/Sika/Pedelite/Rouf)/ white cement complete at all level as specified and directed.	Sq.M.	97.00		
	(A) CERAMIC				
	i)Normal range (Sizes 300 mm x 300mm and above)				
	(a)Orient made: Galaxy Brown, Galaxy creama, Galaxy Pink, Galaxy Green, Pulsar Beige, Pulsar Blue, Pulsar Dove, Pulsar Pink, Burj Brown, Burj Green, Burj Slate				

Sl. No	Specification of item of works	Unit	Qty	Rate	Amount
	CONCRETE TILES				
	(C) PAVERS				
21	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.	Sq.M.	130.00		
	SUN ROCK HIGH CTS /Devi Tiles (Pavers)				
	(b) 60 mm thick				
	CEMENT PLASTERING				
22	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.	Sq.M.	850.00		
	(a). In cement mortar 1:4				
	From 1st floor level to 2nd floor level.	Sq.M.	1090.00		
	From 2nd floor level to 3rd floor level.	Sq.M.	1090.00		
	From 3rd floor level to 4th floor level.	Sq.M.	1090.00		
	From 4th floor level to 5th floor level.	Sq.M.	1090.00		
	Above 5th floor level.	Sq.M.	350.00		
23	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.	Sq.M.	85.00		
	A) On rough side				
	(b). In cement mortar 1:4				
	From 1st floor level to 2nd floor level.	Sq.M.	290.00		

Sl. No	Specification of item of works	Unit	Qty	Rate	Amount
	From 2nd floor level to 3rd floor level.	Sq.M.	290.00		
	From 3rd floor level to 4th floor level.	Sq.M.	290.00		
	From 4th floor level to 5th floor level.	Sq.M.	290.00		
	Above 5th floor level.	Sq.M.	135.00		
	ROOF TREATMENT				
24	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.	13.00		
	(b) Cement mortar (i) 1:3 (1 cement: 3 coarse sand)	Cu.M.	3.00		
	CUPBOARD SHUTTERS				
25	Providing and fixing 25mm thick wooden shutters for cup board including black enamelled M.S butt hinges (75mmx 40mmx1.12mm) 6 nos. with necessary wood screws (fully panelled)	Sq.M.	118.00		
	(ii) Using Particle/Block board				
	e) With block board (one side commercial and other side teak 12mm thick)				
26	DOOR FRAMES				
	Supplying, fitting and fixing door frame made of M.S. equal angle of size 40mmx40mmx5mm fabricated, welded, mitred and joined as per relevant I.S. Codes including fitting 8 nos. of M.S. hold fast, providing closing/ holding device for 2 nos. tower bolts of door for each side and 1 no. for fitting and fixing Aldrop (for single leaf) to the frame for fixing the door to the frame, applying primer to all steel surfaces fixing the frame to the wall/ R.C.C. members by embedding the hold fast securely in C.C. block of M-15 grade complete at all levels as specified and directed. (Door hinges to be paid as per relevant item of the schedule of rates).	R.M.	141.00		

Sl. No	Specification of item of works	Unit	Qty	Rate	Amount
	BLOCK BOARD SHUTTERS				
27	Providing and fixing flush door shutters solid core construction with frame of 1st class hard wood with cross band and face veneered ply wood face panels conforming to relevant I.S code including oxidised iron butt hinges (100mm x 75mm x 3.5mm) 6 nos with necessary wood screws.				
	b) Non decorative type and block board core.	Sq.M.	59.00		
	(iii) 30 mm thick .				
	GRILLS				
28	Providing, fitting and fixing M.S. grill of required pattern for windows/ clerestory windows/ staircase/balcony /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				
	(c). Fixed to Brickwork /P.C.C /R.C.C.	Kg.	4375.00		
	ALUMINIUM DOORS, WINDOWS AND OTHER WORKS				
	WINDOWS AND VENTILATORS				
29	Providing, fitting and fixing anodised aluminium windows and ventilators of standard sections of approved brand without horizontal glazing bars joints mitred and welded (manufactured to relevant IS specifications) fitted with 6mm x 3.15mm lugs 100mm long embedded in CC blocks 150mm x 100mm x 100mm in 1:3:6 mix including providing and fixing handles, frictions stays, joining cleat, bolting device, locking arrangement, spring catch as required complete as specified and directed for all levels. (Cement concrete to be measured and paid separately).				
	a)Side hung and Top hung windows and ventilators				
	ii)5mm frosted glass	Sq.M.	27.00		
	(iv) 5 mm clear glass	Sq.M.	41.00		
	(b)Fixed windows and ventilators				
	(iv) 5 mm clear glass	Sq.M.	3.00		

Sl. No	Specification of item of works	Unit	Qty	Rate	Amount
30	Providing, fitting and fixing anodised aluminium sliding windows and ventilators of standard sections of approved brand without horizontal glazing bars, joints mitred and welded (manufactured to relevant IS specifications) and providing and fixing handles, angle cleat, rubber gasket, roller, bolting device, locking arrangements, screws etc as required complete as specified and directed for all levels.				
	(a)2 Track sliding window				
	(iv) 5 mm clear glass	Sq.M.	92.00		
	(b)3 Track sliding window				
	(iv) 5 mm clear glass	Sq.M.	27.00		
	P.V.C. DOORS & DOOR FRAMES				
31	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	80.00		
32	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)	Sq.M.	27.00		
	b) 29mm thick				
33	CEMENT PAINT & PRIMER				
	a) Applying one coat of cement primer of approved brand and manufacture on new wall surface after thoroughly brooming the surfaces free from mortar droppings and other foreign matter and including preparing the surface even and sand papered smooth.	Sq.M.	6940.00		

Sl. No	Specification of item of works	Unit	Qty	Rate	Amount
34	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)	Sq.M.	6940.00		
	(i) Thickness = 1.5 mm thick				
	EXTERIOR PAINTS / COATINGS				
35	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.	2275.00		
	ALUMINIUM FITTINGS				
36	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)				
	a) Sliding door bolts	Each	48		
	i) 300mm x 16mm				
	b) Tower bolts				
	ii) 250mm x 12mm	Each	72		
	c) Door handles				
	iii) 150mm	Each	72		
	t) Door Stopper with rubber stopper.	Each	8		
	q) Cupboard locks				
	ii) 50mm	Each	52		
	u) Wardrobe knob	Each	52		

Sl. No	Specification of item of works	Unit	Qty	Rate	Amount
	STEEL & IRON WORKS				
	REINFORCEMENT				
37	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)				
	a) From Primary Producer: TATA/SAIL/Essex Steel/ Jindal steel/Shyam steel/RINL				
	(ii)Super Ductile (SD) TMT reinforcement bars	Qtl.	187.60		
	From 1st floor level to 2nd floor level.	Qtl.	117.50		
	From 2nd floor level to 3rd floor level.	Qtl.	117.50		
	From 3rd floor level to 4th floor level.	Qtl.	117.50		
	From 4th floor level to 5th floor level.	Qtl.	117.50		
	From 5th floor level to 6th floor level.	Qtl.	42.00		
	STEEL RAILING				
38	Providing and fixing M.S. Tube Hand Rail of approved size by welding etc. to steellader railing, balcony railing , staircase railing and similar works, including applying priming coat of approved steel primer complete as specified and directed by department.	Kg.	332.00		
	PLINTH PROTECTION WORKS AND DRAINS				
39	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.	Sq.M.	49.00		

Sl. No	Specification of item of works	Unit	Qty	Rate	Amount
40	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 shuttering for sides and earth work in excavation of foundation trenches and refilling the sides after completion of work etc. as specified.				
	i). 300mm wide and average 150mm deep with bed slope 1 in 150 with initial depth of 100mm.	R.M.	65.00		
	WATER PROOFING OF CHAJJAS, ROOF SLABS, TERRACES, SUNKEN SLABS, SEPTIC TANK, OH TANK, RAFT SLAB IN BASEMENT, WALLS ETC.				
41	Providing and applying over roof/ raft slab, two coats of waterproofing slurry prepared with cement, fine sand in prop 1:1 admixed with modified acrylic polymer like Cemflex of Sika India Ltd./Dr. Sealkit Sealcrete (Asian Chemicals),/ RHEOMIX 131 OF BASF by brush @ 0.25% of cement-sand mixture (by weight) after proper surface preparation (surface preparation including thorough cleaning of surface to be measured and paid separately) as specified & directed by the Department complete.	Sq.M.	169.00		
	PRE CONSTRUCTION ANTI - TERMITE TREATMENT				
42	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.	Sq.M.	147.00		
	a) with aqueous emulsion having concentration 1:19 with chloropirophose solution (tricol or euivalent) and water, i.e. 1% solution.				

Sl. No	Specification of item of works	Unit	Qty	Rate	Amount
43	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.	Sq.M.	147.00		
	a) with aqueous emulsion having concentration 1:19 with chloropirophose solution (trichel or euivalent) and water, i.e. 1% solution.				
44	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 depts. 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.	60.50		

Sl. No	Specification of item of works	Unit	Qty	Rate	Amount
	SANITARY WORKS				
	INDIAN TYPE WATER CLOSET				
45	Providing fitting and fixing vitreous water closet squatting pan (Indian type W.C Orissa pattern) with all fittings and fixtures complete including cutting and making good to the walls and floors wherever required. (Flushing Cistern to be paid separately)				
	Indian type W.C Orissa pattern of size 580 x 440 mm				
	(a) White	Each	8		
	i) Parryware make				
	PVC FLUSHING CISTERN				
46	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)				
	i) Parryware make				
	a) White	Each	8		
	(i) Economy Single Flush (Cat No.C8090 / C8055)				
	URINAL				
47	Providing fitting and fixing vitreous china flat back type lipped front urinal basin of with automatic flushing cistern with standard flush pipe and CP brass spreader and brass unions, etc. complete including painting of fittings and brackets, cutting and making good the walls & floors wherever required.	Each	6		
	(ii) URINAL ALEXA E-Sense (Cat. No.96005)				
	DIVISION PLATE				
48	Supplying fitting and fixing vitreous china division plate including fitting and fixing compete as directed and specified.	Each	6		

Sl. No	Specification of item of works	Unit	Qty	Rate	Amount
	WASH BASIN				
49	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)				
	Basin (without Pedestal)				
	a) White				
	i) Star Basin 550x400 (Car No. C0450)	Each	12		
	KITCHEN SINK (STAINLESS STEEL)				
50	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)	Each	4		
	MIRROR				
51	Providing fitting and fixing Mirror with plastic frame of size 500x400mm complete as directed and specified.	Each	12		
	SHELF				
52	Providing fitting and fixing Glass Shelf complete as directed and specified.				
	Glass shelf with C.P. guard rail				
	(ii) Sona make (Cat. No.TR-0701)				
	(b) 525mm	Each	12		
	SOAP TRAY,SOAP DISH,LIQUID SOAP DISPENSER AND LIQUID SOAP				
53	Providing, fitting and fixing recessed soap tray / soap dish complete as directed and specified.				
	(a) Parryware Make				
	(ii) Wall Soap tray (Cat. No.C9951)	Each	28		
	TOWEL RAIL,TOWEL RACK & TOWEL RING				
54	Providing, fitting and fixing CP towel rail complete as directed and specified.				
	(b) Sona make				
	(iii) Towel Rail Diplomat 600mm long (Cat No. TR-0605)	Each	12		

Sl. No	Specification of item of works	Unit	Qty	Rate	Amount
	WASTE COUPLING				
55	Providing, fitting and fixing Chrome Plated waste coupling complete as directed and specified.				
	(b) Sona make	Each	16		
	(i) Rupa 40mm (HT/FT) (Cat.No. WS-0801)				
	BOTTLE TRAP				
56	Providing, fitting and fixing Chrome Plated bottle trap complete as directed and specified.				
	(b) Sona make				
	(i) Bottle trap Indian 32mm (Cat.No. BT-0751)	Each	16		
	PVC PIPES, BENDS, JUNCTIONS, TEES ETC.				
57	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.	45.00		
	(iv) 75mm dia.	R.M.	58.00		
	b) Concealed by chiselling or breaking brick wall/C.C./R.C.C and making good to the damages.				
	(i) 110mm dia.	R.M.	20.00		
	(iv) 75mm dia.	R.M.	35.00		
58	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	11		
	(iv) 75 mm dia.	Each	11		
	b) Concealed by chiselling or breaking brick wall/C.C./R.C.C. and making good to the damages.				
	(i) 110mm dia.	Each	11		
	(iv) 75 mm dia.	Each	11		

Sl. No	Specification of item of works	Unit	Qty	Rate	Amount
59	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.				
	(ii) 110mm dia.	Each	11		
	(iv) 75 mm dia.	Each	11		
	(b) Concealed by chiselling or breaking brick wall/C.C/R.C.C. and making good to the damages.				
	(i) 110mm dia.	Each	11		
	(iv) 75 mm dia.	Each	11		
60	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.				
	(ii) 110mm dia.	Each	11		
	(iv) 75 mm dia.	Each	11		
	(b) Concealed by chiselling or breaking brick wall/C.C/R.C.C. and making good to the damages.				
	(ii) 110mm dia.	Each	11		
	(iv) 75 mm dia.	Each	11		
61	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.				
	(ii) 110mm dia.	Each	11		
	(iv) 75 mm dia.	Each	11		

Sl. No	Specification of item of works	Unit	Qty	Rate	Amount
	(b) Concealed by chiselling or breaking brick wall/C.C/R.C.C. and making good to the damages.				
	(ii) 110mm dia.	Each	11		
	(ii) 90mm dia.	Each	11		
62	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.				
	(ii) 110mm dia.	Each	11		
	(ii) 75mm dia.	Each	11		
	(b) Concealed by chiselling or breaking brick wall/C.C/R.C.C. and making good to the damages.				
	(ii) 110mm dia.	Each	11		
	(ii) 75 mm dia.	R.M.	11		
	SOAK PIT AND INSPECTION CHAMBER				
63	Construction of filter bed in soak pit including earth work in excavation of soil and then filling up of the trench with brick bats/Charcoal covered with earth over a layer of A.C. plain sheet above brick bat filling complete as directed. (sizes of soak pit may vary depending on the sizes and capacities of the septic tank as well as the number of users as mentioned in the table.	Cum	12		
64	Construction of inspection pit inside measurement 450mm x450mm x450mm flush with 100mm diameter HCI/PVC pipes and cement concrete base in proportion 1:3:6 over flat brick soling, 12cm brick wall in cement mortar in proportion 1:4 finished with 13mm cement plaster in proportion 1:2 in side wall and floor. 450mm x450mm air tight C.I. inspection pit cover and frame complete including supplying of materials, necessary excavation of pit as directed.	Each	4		
	COWEL				
65	Providing fitting and fixing 50mm dia. HCI cowl with cement caulking complete as directed and specified.	Each	4		

Sl. No	Specification of item of works	Unit	Qty	Rate	Amount
	GRATING				
66	Providing fitting & fixing C.P.Grating to the floors complete as directed and specified.				
	(a) 110mm dia	Each	24		
	AJAY FLOWGUARD CPVC PIPE.				
67	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 brass 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				
	(e) 40 mm OD	R.M.	55.00		
	(f) 50mm PD	R.M.	35.00		
	(ii) Concealed by chiselling or breaking brick wall/C.C/R.C.C and making good to damages				
	(a) 15 mm OD	R.M.	55.00		
	(b) 20 mm OD	R.M.	30.00		
	BIB COCK				
68	Supplying fitting and fixing polymer bib cock (15mm dia) of Polymer Prayag make directed and specified.(G.I. & C.P pipes will be measured separately)				
	(a) Standard	Each	24		
	STOP COCK				
69	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) 15mm dia	Each	26		
	(ii) 20mm dia	Each	4		

Sl. No	Specification of item of works	Unit	Qty	Rate	Amount
	PILLAR COCK				
70	Supplying and fitting fixing polymer pillar cock of Polymer Prayag make (15mm) dia as directed.				
	(a) Standard	Each	16		
	SHOWER				
71	Supplying fitting and fixing overhead adjustable Chrome Plated (C.P.) spray shower 15mm dia. of Sona make with wall flange as directed and specified.(pipes will be measured and paid separately)				
	(c) New Diplomat/ / Rocket/ Mini Kranti/ Mini Hex shower with arm	Each	8		
	VALVE				
72	Supplying and fitting gun metal country pit valve (full way valve) I.S.I. Make as specified and directed.				
	b) 40 mm dia.	Each	5		
73	Supplying fitting and fixing gun metal check valve including necessary threads to pipes.				
	b) 40 mm dia (Heavy type)	Each	3		
	WATER TANK				
74	Supplying and placing plastic cylindrical vertical claused top (PCVC) tank of Sintex / Polycon / Patton make over the staggering with manhole cover with locking and cleaning arrangement including providing pads of size as required for inlet and outlet pipes				
	(I) 2000 litre capacity	Each	4		
	(a) Sintex make				
	(II) 1000 litre capacity	Each	1		
	(a) Sintex make				
1	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				
	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	Kg	200.00		
2	Neat Cement Punning	Sq.M.	15.00		

Sl. No	Specification of item of works	Unit	Qty	Rate	Amount
3	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	Metre	64.00		
	In 75x75 mm deep chase				
4	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		
5	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.	Sq.M.	4665.00		
	Two coats				
6	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.	Sq.M.	1013.00		
	Two coats				

Sl. No	Specification of item of works						Unit	Qty	Rate	Amount
7	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content.									
	With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre						Sq.M.	354.00		
	With ready mixed red oxide zinc chromatic on steel / iron works having VOC content less than 250 grams/ litre						Sq.M.	659.00		
	Grand Total									