

M/S HAPPY AND ASSOCIATES

ARCHITECTS , ENGINEERS , INTERIOR DESIGNERS

Add:- Near Hindustan Press, Cotton Mill, Gaya - 823001 (Bihar)

Mob. No. 7739269750, 700467722 / Email : happyandassociate@gmail.com, Website :

www.happysgroup.com

Ref No

Date.....

REPORT

ON

**ESTIMATE FOR FINANCIAL APPROVAL OF NEW BUILDING (G+3) CONSTRUCTION
AT- D.A.V. PUBLIC SCHOOL, AURANGABAD, BIHAR**

<u>S.NO</u>	<u>DESCRIPTION</u>	<u>AREA(sqft)</u>	<u>COST(Rs)</u>	<u>COST/SFT(Rs)</u>
1	Foundation and plinth	6668		
2	Ground floor	6668		
3	First Floor	6668		
4	Second Floor	6668		
5	Third Floor	6668		
6	Lift car			
7	Water tank			
8	Septic tank			
9	Dado tiles work			
10	Fire estimate (provided by fire consultant attached with report)			
	Total Project Cost			
	Cost per sq.ft.	26672		

SAY TOTAL COST- Rs

TOTAL BUILT UP AREA – 26672 SFT

COST PER Sft – Rs

The estimated cost is based on Govt.of Bihar, SOR Volume-I, (edition – 11)

For non schedule items, market rate has been taken into account .The estimated cost may vary due to variations in site condition, nature of soil ,plinth height, changes in drawing.

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ABSTRACT OF COST FOR SETTING UP OF WATER TANK FOR NEW BUILDING AT D.A.V PUBLIC SCHOOL, AURANGABAD

Ref no

Date.....

S.NO	SOR	PARTICULARS	QUANTITY	RATE	UNIT	AMOUNT
		WATER TANK				
		FOR CAPACITY OF 15000 L (20' X 8' X 10')				
1		Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	2,000.0		per litre	
		cost of one tank				
		(water tanks of capacity 2000 lts and well approved brand)	4.0		each	
2		Brass full way valve with C.I. wheel (screwed end) 25 mm dia	4.0		each	
3		Providing and fixing Polyethelene-Aluminium-Polyethelene (PE-ALPE) Composite Pressure Pipes conforming to IS - 15450, including all special fittings of composite materials 2025 (25 mm OD) pipe	132.0		metre	
TOTAL						

SAY TOTAL

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ABSTRACT OF COST FOR CONSTRUCTION OF SEPTK TANK FOR NEW BUILDING AT D.A.V PUBLIC SCHOOL, AURANGABAD

Ref no

Date.....

Serial	SoR	Particulars	Quantity	Rate	Unit	Amount
SEPTIK TANK						
FOR CAPACITY OF 15000 L (20' X 8' X 10')						
1		Earth work in excavation in foundation trenches or drains(not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.All Kinds of soil	7.0		Cu m	
2		Supplying and filling in plinth with Local sand including watering, ramming, consolidating and dressing complete	11.2		Cu m	
3		Providing and laying in position cement concrete of specified grade exluding the cost of centring and shuttering-all work upto plinth level.				
		1:4:8 (1 Cement :4 coarse sand :8 graded stone agregate 40 mm nominal size)	19.4		Cu m	
		1:3:6 (1 Cement; 3 coarse sand :6 graded stone aggregate 40 mm nominal size)	19.4		Cu m	
4		Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centring ,shuttering ,finishing and reinforcement-1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20 mm nominal size)	19.4		Cu m	
5		Centring and shuttering including strutting,propping etc. and removal of form for.				
		Foundations, footings, bases of columns etc. for mass concrete.	1.0		Sq m	
6		Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Thermo-Mechanically Treated bars TMTC-500 Mild steel 8.0 mm dia	1,405.0		Kg	
7		Supplying, assembling, lowering and fixing in vertical position in bore well unplasticized PVC medium well screen (RMS) pipes with ribs, conforming to IS: 12818, including hire & labour charges, fittings & accessories etc. all complete, for all depths, 200 mm nominal size dia	142.5		M	
TOTAL						
FOR 2 SEPTIK TANKS OF SAME SIZE			2			

SAY TOTAL

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ABSTRACT OF COST FOR DADO TILES WORK AT D.A.V PUBLIC SCHOOL, AURANGABAD

Ref no Date

Serial	SoR	Particulars	Quantity	Rate	Unit	Amount
		DADO TILES WORK				
		3'6" HIGH (ON 3 SIDES OF BOTH STAIRWELL)(GROUND FLOOR TO TERRACE)	1,848.0		SQFT	
		ALONG CORRIDOR 3'6" HIGH (ON BOTH SIDES)(GROUND FLOOR TO 3RD FLOOR)	3,844.0		SQFT	
		AVERAGE AREA FOR DADO	5,692.0		SQFT	
1		Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (Thickness to be specified by the manufacture) of approved make in all colours, shades except burgundy , bottle green , black of any size as approved by Engineer-in-charge in skirting , risers of steps and dados over 12 mm thick bed of cement Motar 1:3(1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	529.0		sq m	
			TOTAL			

SAY TOTAL -

Note :

Rates are inclusive of G.S.T.

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ABSTRACT OF COST FOR CONSTRUCTION OF NEW BUILDING AT D.A.V PUBLIC SCHOOL, AURANGABAD

Ref no

Date.....

Serial	SoR	Particulars	Quantity	Rate	Unit	Amount
		Foundation				
		Cov .Area of Foundation	6,668.0		Sq FT	
		Earth work And sandFilling				
1		Earth work in excavation in foundation trenches or drains(not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
		All Kinds of soil	540.0		Cu m	
2		Boring, providing and installing bored cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry a safe working load not less than specified 300 mm dia piles	1,196.0		metre	
3		Providing designation 100 A one brick flat soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I,	864.0		sqm	
4		Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete.	492.0		cu m	
		P C C / R C C WORK				
6		Providing and laying in position cement concrete of specified grade exluding the cost of centring and shuttering-all work upto plinth level.				
		1.4.8 (1 Cement :4 coarse sand :8 graded stone agregate 40 mm nominal size)	99.0		Cu m	
7		Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centring ,shuttering ,finishing and reinforcement-1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20 mm nominal size)	185.0		Cu m	

8		Centring and shuttering including strutting,propping etc. and removal of form for.				
		Foundations, footings, bases of columns etc. for mass concrete.	637.0		Sq m	
9		Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.				
		Thermo-Mechanically Treated bars TMTC-500-8mm dia.	7,088.0		kg	
		Thermo-Mechanically Treated bars TMTC-500-10mm dia.	5,344.0		kg	
		Thermo-Mechanically Treated bars TMTC-500-12mm dia.	5,218.0		kg	
		Thermo-Mechanically Treated bars TMT Fe-500-16mm dia.	13,767.0		kg	
		Thermo-Mechanically Treated bars TMT Fe-500-20mm dia.	761.8		kg	
		Thermo-Mechanically Treated bars TMT Fe-500-25mm dia.	136.2		kg	
		MASONARY WORK				
10		Brick work with bricks of class designation 100A in foundations and plinth in :Cement mortar 1:6 (1 cement: 6 coarse sand)	58.0		Cu m	
		PLUMBING AND ELECTRICAL WORK				
11		Providing and fixing on wall face unplastidsed-PVC(working pressure 4 kgf per sqm) rain water pipes conforming to IS :4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion. 110 mm diameter	130.0		metre	
TOTAL						
COST OF CONSTRUCTION PER SQ Ft						

S.NO	SOR	PARTICULARS	QUANTIT Y	RATE	UNIT	AMOUNT
		GROUND FLOOR				
		Cov Area of floor	6,668.0		Sq FT	
		R C C WORK				
1		Reinforced cement concrete work in wall (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts, etc. upt floor five level excluding cost of centring, shuttering, finishin and reinforcement.1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20mm nominal size)	50.3		Cu m	
2		R C C work in beams,suspended floors, roofs having slope upto 15, landings,balconiec, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excludingthe cost of centring, shuttering, finishing and reinforcement with 1:2:4(1 cement:2 coarse sand:4 graded stone aggregate 20 mm nominal size).	95.0		Cu m	
3		Providing and laying upto floor five level reinforced cementconcrete in kerbs, steps and the like excluding the cost of centring, shuttering, finishing and reinforcement with 1:2:4(1 cement:2 coarse sand:4 graded stone aggregate 20mm nominal size).	7.3		Cu m	
4		Reinforced cement concrete work in arhes, archribs, domes, vaults, shells, folded plate and roofs having slope	9.0		Cu m	
5		Centring and shuttering including strutting,propping etc. and removal of form for.				
		Suspended floors, roots, landings, balcnies and access	579.0		sq m	
		Shelves (Cost in situ)	26.6		sq m	
		Lintels, beams, plinth bams, griders, bressumers and contilevers.	301.0		sq m	
		Columns,Pillars, Piers, Abutments, Posts and Struts	339.0		sq m	
		Stairs,(excluding landings) except spiral-staircaces.	64.2		sq m	
		Weather shade,Chajjas, corbels etc. including edges	18.0		Sq m	

6		Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.				
		Thermo-Mechanically Treated bars TMTC-500-8mm dia.	2,830.0		kg	
		Thermo-Mechanically Treated bars TMTC-500-10mm dia.	3,298.0		kg	
		Thermo-Mechanically Treated bars TMTC-500-12mm dia.	475.6		kg	
		Thermo-Mechanically Treated bars TMT Fe-500-16mm dia.	3,720.0		kg	
		Thermo-Mechanically Treated bars TMT Fe-500-20mm dia.	8,191.0		kg	
		Thermo-Mechanically Treated bars TMT Fe-500-25mm dia.	1,979.0		kg	
		MASONARY WORK				
7		Brick work with bricks of class designation 100A in superstructure above plinth level upto floor V level in cement mortar 1:6 (1 cement:6 coarse sand)	294.7		Cu m	
8		Half brick masonry with bricks of class designation 100A in superstructure above plinth level upto floor V level in :Cement mortar 1:4 (1 cement: 4 coarse sand)	22.0		Sq m	
		FLOORING WORK				
9		Kota stone slab flooring over 25 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete 1:4 (1 cement: 4 coarse sand)	618.0		Sq m	
10		Kota stone slabs 20 mm thick in risers of steps skirting. Dado & pillars laid on 12 mm (average (thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete.	26.0		Sq m	
11		Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (Thickness to be specified by the manufacture) of approved make in all colours, shades except burgundy , bottle green , black of any size as approved by Engineer-in-charge in skirting , risers of steps and dados over 12 mm thick bed of cement Motar 1:3(1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	225.0		Sq m	
12		Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufactruer) with water absorption's less than 0.08 % and conforming to IS : 15622 of approved make in all colours and shades, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) including grouting the joint with white cement and matching pigments etc., complete. Size of Tile 50x50 cm.	80.0		Sq m	

PLASTER WORK						
13		12 mm cement plaster of mix:1:6 (1 cement: 6 coarse sand)	1,726.0		sq m	
14		6 mm cement plaster to ceiling of mix :1:4(1 cement: 4 coarse sand)	619.0		sq m	
CARPENTARY,STEEL,HARDWARE						
15		Providing and fixing steel glazed doors, windows and ventilators of standard rolled steel sections, joints mitered and welded with 15x3 mm lugs 10 cm long with steel lugs embedded in cement concrete blocks 15x10x10 cm of 1:3:6(1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required, including providing and fixing of glass panes with glazing clips and special metal-sash putty of approved make complete including applying a priming coat of approved steel primer; excluding the cost of metal beading and other fitting except	47.0		Sq m	
16		Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S.pressed butt hinges bright finished of required size with necessery screws, excluding panelling which will be paid for separately, all complete as per direction of Engineerin-charge.30 mm thick	23.4		Sq m	

17		Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.Fixed to steel windows by welding (1.5 kg per sqft)	2,748.0		kg	
FINISHING WORK						
18		Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	1757		81.1	
19		Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade: two or more coats	1757		86.4	
20		Finishing walls with Acrylic Smooth exterior paint of required shade :				
		New work (Two or more coat applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	559		133	
21		Applying priming coat with ready mixed zinc chromate yellow primer of approved brand and manufacture on steel galvanized iron/steel works.	276		34.60	
22		Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved	276		54.30	
MISCELLANEOUS ITEM						
23		Providing and fixing circular/hexagonal cast iron or M s Sheet box for ceiling fan clamp of internal dia 140mm ,73mm height .top lid of 1.5 mm thick with its top surface hacked for proper bonding, top lid shall be screwed into the cast iron /M S sheet box by means of 3.3 mm dia round headed screws one lock at the corners clamp shall be made of 12mm dia M S bar bent to shape as per standard drawing.	29.0		each	

PLUMBING AND ELECTRICAL WORK						
24		Providing and fixing on wall face unplasticised-PVC(working pressure 4 kgf per sqm) rain water pipes conforming to IS :4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion. 110 mm diameter	70.0		metre	
25		Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing.				
		32 mm nominal outer dia Pipes	30.6		metre	
26		Providing and fixing water closet squatting pan (Indian type W.C.pan) with 100 mm sand cast Iron P or S trap, 10 litre low fixtures complete, including cutting and making good the walls and level white P.V.C. flushing cistern				
		White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	12.0		each	
27		Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe :				
		One urinal basin with 5 litre white P.V.C. automatic flushing cistern	7.0		each	
28		White Vitreous China Surgeon type wash basin of size 660x460 mm with a pair of 15 mm C.P. brass pillar taps with elbow operated levers	8.0		EACH	
34		Taps of superior brands like Hindware and Jaguar	25.0		each	
35		connecting valves for RO	4.0		each	
36		Plumbing and fixtures (pipes and drainage pipe)	LUMSUM			
TOTAL						
COST OF CONSTRUCTION PER SQ FT						

S.NO	SOR	PARTICULARS	QUANTIT Y	RATE	UNIT	AMOUNT
		FIRST FLOOR				
		Cov Area of floor	6,668.0		Sq FT	
1		site preparation and material carriage to higher floors	LUMSUM			
		R C C WORK				
2		Reinforced cement concrete work in wall (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts, etc. upto floor five level excluding cost of centring, shuttering, finishing and reinforcement. 1:1.5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20mm nominal size)	50.3		Cu m	
3		R C C work in beams,suspended floors, roofs having slope upto 15, landings,balconiec, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excludingthe cost of centring, shuttering, finishing and reinforcement with 1:2:4(1 cement:2 coarse sand:4 graded stone aggregate 20 mm nominal size).	95.0		Cu m	
4		Providing and laying upto floor five level reinforced cementconcrete in kerbs, steps and the like excluding the cost of centring, shuttering, finishing and reinforcement with 1:2:4(1cement:2 coarse sand:4 graded stone aggregate 20mm nominal size).	7.3		Cu m	
5		Reinforced cement concrete work in arhes, archribs, domes, vaults, shells, folded plate and roofs having slope more than 150 upto floor five level excluding the cost of centring. Shuttering. Finishing and reinforcement with 1:2:4(1 cement:2 coarse sand :4 graded stone aggregate 20mm nominal size)	9.0		Cu m	

6		Centring and shuttering including strutting, propping etc. and removal of form for.				
		Suspended floors, roofs, landings, balconies and access platform.	579.0		sq m	
		Shelves (Cost in situ)	26.6		sq m	
		Lintels, beams, plinth bams, griders, bressumers and cantilevers.	308.0		sq m	
		Columns, Pillars, Piers, Abutments, Posts and Struts	339.0		sq m	
		Stairs, (excluding landings) except spiral-staircases.	64.2		sq m	
		Weather shade, Chajjas, corbels etc. including edges	18.0		Sq m	
7		Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.				
		Thermo-Mechanically Treated bars TMTC-500-8mm dia.	4,680.0		kg	
		Thermo-Mechanically Treated bars TMTC-500-10mm dia.	3,298.0		kg	
		Thermo-Mechanically Treated bars TMTC-500-12mm dia.	494.0		kg	
		Thermo-Mechanically Treated bars TMT Fe-500-16mm dia.	2,843.0		kg	
		Thermo-Mechanically Treated bars TMT Fe-500-20mm dia.	6,338.0		kg	
		Thermo-Mechanically Treated bars TMT Fe-500-25mm dia.	2,621.0		kg	
		MASONARY WORK				
8		Brick work with bricks of class designation 100A in superstructure above plinth level upto floor V level in cement mortar 1:6 (1 cement: 6 coarse sand)	318.7		Cu m	
9		Half brick masonry with bricks of class designation 100A in superstructure above plinth level upto floor V level in in :Cement mortar 1:4 (1 cement: 4 coarse send)	34.2		Sq m	

FLOORING WORK						
10		Kota stone slab flooring over 25 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete 1:4 (1 cement: 4 coarse sand)	618.0		Sq m	
11		Kota stone slabs 20 mm thick in risers of steps skirting. Dado & pillars laid on 12 mm (average (thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete.	61.2		Sq m	
12		Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (Thickness to be specified by the manufacture) of approved make in all colours, shades except burgundy , bottle green , black of any size as approved by Engineer-in-charge in skirting , risers of steps and dados over 12 mm thick bed of cement Motar 1:3(1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	275.0		Sq m	
13		Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufactruer) with water absorption's less than 0.08 % and conforming to IS : 15622 of approved make in all colours and shades, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) including grouting the joint with white cement and matching pigments etc., complete. Size of Tile 50x50 cm.	100.0		Sq m	
PLASTER WORK						
14		12 mm cement plaster of mix:1:6 (1 cement: 6 coarse sand)	1,758.0		sq m	
15		6 mm cement plaster to ceiling of mix :1:4(1 cement: 4 coarse sand)	619.0		sq m	

CARPENTARY,STEEL,HARDWARE						
16		Providing and fixing steel glazed doors, windows and ventilators of standard rolled steel sections, joints mitered and welded with 15x3 mm lugs 10 cm long with steel lugs embedded in cement concrete blocks 15x10x10 cm of 1:3:6(1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required, including providing and fixing of glass panes with glazing clips and special metal-sash putty of approved make complete including applying a priming coat of approved steel primer; excluding the cost of metal beading and other fitting except	47.0		Sq m	
17		Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S.pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineerin-charge.30 mm thick	23.4		Sq m	
18		Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.Fixed to steel windows by welding (1.5 kg per sqft)	2,748.0		kg	

FINISHING WORK						
19		Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	1757		81.1	
20		Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade:				
		two or more coats	1757		86.4	
21		Finishing walls with Acrylic Smooth exterior paint of required shade :				
		New work (Two or more coat applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	559		133	
22		Applying priming coat with ready mixed zinc chromate yellow primer of approved brand and manufacture on steel galvanized iron/steel works.	276		34.60	
23		Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	276		54.30	
MISCELLANEOUS ITEM						
24		Providing and fixing circular/hexagonal cast iron or M s Sheet box for ceiling fan clamp of internal dia 140mm ,73mm height .top lid of 1.5 mm thick with its top surface hacked for proper bonding, top lid shall be screwed into the cast iron /M S sheet box by means of 3.3 mm dia round headed screws one lock at the corners clamp shall be made of 12mm dia M S bar bent to shape as per standard drawing.	29.0		each	

PLUMBING AND ELECTRICAL WORK						
25		Providing and fixing on wall face unplastidsed-PVC(working pressure 4 kgf per sqm) rain water pipes conforming to IS :4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion. 110 mm diameter	70.0		metre	
26		Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing.				
		32 mm nominal outer dia Pipes	30.6		metre	
27		Providing and fixing water closet squatting pan (Indian type W.C.pan) with 100 mm sand cast Iron P or S trap, 10 litre low fixtures complete, including cutting and making good the walls and level white P.V.C. flushing cistern				
		White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	15.0		each	
28		Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe :				
		One urinal basin with 5 litre white P.V.C. automatic flushing cistern	7.0		each	
29		White Vitreous China Surgeon type wash basin of size 660x460 mm with a pair of 15 mm C.P. brass pillar taps with elbow operated levers	11.0		EACH	
30		Taps of superior brands like Hindware and Jaguar	28.0		each	
31		connecting valves for RO	4.0		each	
32		Plumbing and fixtues (pipes and drainage pipe)	LUMSUM			
TOTAL						
COST OF CONSTRUCTION PER SQ FT						

S.NO	SOR	PARTICULARS	QUANTIT Y	RATE	UNIT	AMOUNT
		SECOND FLOOR				
		Cov Area of floor	6,668.0		Sq FT	
1		site preparation and material carriage to higher floors		LUMSUM		45,000
		R C C WORK				
2		Reinforced cement concrete work in wall (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts, etc. upto floor five level excluding cost of centring, shuttering, finishing and reinforcement. 1:1.5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20mm nominal size)	50.3		Cu m	
3		R C C work in beams,suspended floors, roofs having slope upto 15, landings,balconiec, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excludingthe cost of centring, shuttering, finishing and reinforcement with 1:2:4(1 cement:2 coarse sand:4 graded stone aggregate 20 mm nominal size).	95.0		Cu m	
4		Providing and laying upto floor five level reinforced cementconcrete in kerbs, steps and the like excluding the cost of centring, shuttering, finishing and reinforcement with 1:2:4(1cement:2 coarse sand:4 graded stone aggregate 20mm nominal size).	7.3		Cu m	
5		Reinforced cement concrete work in arhes, archribs, domes, vaults, shells, folded plate and roofs having slope more than 150 upto floor five level excluding the cost of centring. Shuttering. Finishing and reinforcement with 1:2:4(1 cement:2 coarse sand :4 graded stone aggregate 20mm nominal size)	9.0		Cu m	

6		Centring and shuttering including strutting, propping etc. and removal of form for.				
		Suspended floors, roofs, landings, balconies and access platform.	579.0		sq m	
		Shelves (Cost in situ)	26.6		sq m	
		Lintels, beams, plinth bams, griders, bressumers and cantilevers.	308.0		sq m	
		Columns, Pillars, Piers, Abutments, Posts and Struts	339.0		sq m	
		Stairs, (excluding landings) except spiral-staircases.	64.2		sq m	
		Weather shade, Chajjas, corbels etc. including edges	18.0		Sq m	
7		Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.				
		Thermo-Mechanically Treated bars TMTC-500-8mm dia.	5,526.0		kg	
		Thermo-Mechanically Treated bars TMTC-500-10mm dia.	3,298.0		kg	
		Thermo-Mechanically Treated bars TMTC-500-12mm dia.	493.6		kg	
		Thermo-Mechanically Treated bars TMT Fe-500-16mm dia.	2,842.0		kg	
		Thermo-Mechanically Treated bars TMT Fe-500-20mm dia.	6,337.0		kg	
		Thermo-Mechanically Treated bars TMT Fe-500-25mm dia.	2,621.0		kg	
		MASONARY WORK				
8		Brick work with bricks of class designation 100A in superstructure above plinth level upto floor V level in cement mortar 1:6 (1 cement: 6 coarse sand)	315.7		Cu m	
9		Half brick masonry with bricks of class designation 100A in superstructure above plinth level upto floor V level in in :Cement mortar 1:4 (1 cement: 4 coarse sand)	34.2		Sq m	

FLOORING WORK						
10		Kota stone slab flooring over 25 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete.1:4 (1 cement: 4 coarse sand)	618.0		Sq m	
11		Kota stone slabs 20 mm thick in risers of steps skirting, Dado & pillars laid on 12 mm (average (thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete.	61.2		Sq m	
12		Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (Thickness to be specified by the manufacture) of approved make in all colours, shades except burgundy , bottle green , black of any size as approved by Engineer-in-charge in skirting , risers of steps and dados over 12 mm thick bed of cement Motar 1:3(1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	275.0		Sq m	
13		Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufactruer) with water absorption's less than 0.08 % and conforming to IS : 15622 of approved make in all colours and shades, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) including grouting the joint with white cement and matching pigments etc., complete.Size of Tile 50x50 cm.	88.5		Sq m	
PLASTER WORK						
14		12 mm cement plaster of mix:1:6 (1 cement: 6 coarse sand)	1,758.0		sq m	
15		6 mm cement plaster to ceiling of mix :1:4(1 cement: 4 coarse sand)	619.0		sq m	

CARPENTARY,STEEL,HARDWARE						
16		Providing and fixing steel glazed doors, windows and ventilators of standard rolled steel sections, joints mitered and welded with 15x3 mm lugs 10 cm long with steel lugs embedded in cement concrete blocks 15x10x10 cm of 1:3:6(1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required, including providing and fixing of glass panes with glazing clips and special metal-sash putty of approved make complete including applying a priming coat of approved steel primer; excluding the cost of metal beading and other fitting except	47.0		Sq m	
17		Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S.pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineerin-charge.30 mm thick	23.4		Sq m	
18		Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.Fixed to steel windows by welding (1.5 kg per sqft)	2,748.0		kg	
FINISHING WORK						
19		Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	1757		81.1	
20		Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade:				
		two or more coats	1757		86.4	

21		Finishing walls with Acrylic Smooth exterior paint of required shade :				
		New work (Two or more coat applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	559		133	
22		Applying priming coat with ready mixed zinc chromate yellow primer of approved brand and manufacture on steel galvanized iron/steel works.	276		34.60	
23		Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	276		54.30	
MISCELLANEOUS ITEM						
24		Providing and fixing circular/hexagonal cast iron or M s Sheet box for ceiling fan clamp of internal dia 140mm ,73mm height .top lid of 1.5 mm thick with its top surface hacked for proper bonding, top lid shall be screwed into the cast iron /M S sheet box by means of 3.3 mm dia round headed screws one lock at the corners clamp shall be made of 12mm dia M S bar bent to shape as per standard drawing.	29.0		each	

PLUMBING AND ELECTRICAL WORK						
25		Providing and fixing on wall face unplastidsed-PVC(working pressure 4 kgf per sqm) rain water pipes conforming to IS :4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion. 110 mm diameter	70.0		metre	
26		Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing.				
		32 mm nominal outer dia Pipes	30.6		metre	
27		Providing and fixing water closet squatting pan (Indian type W.C.pan) with 100 mm sand cast Iron P or S trap, 10 litre low fixtures complete, including cutting and making good the walls and level white P.V.C. flushing cistern				
		White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	12.0		each	
28		Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe :				
		One urinal basin with 5 litre white P.V.C. automatic flushing cistern	7.0		each	
29		White Vitreous China Surgeon type wash basin of size 660x460 mm with a pair of 15 mm C.P. brass pillar taps with elbow operated levers	8.0		EACH	
30		Taps of superior brands like Hindware and Jaguar	25.0		each	
31		connecting valves for RO	4.0		each	
32		Plumbing and fixtues (pipes and drainage pipe)	LUMSUM			
TOTAL						
COST OF CONSTRUCTION PER SQ FT						

S.NO	SOR	PARTICULARS	QUANTIT Y	RATE	UNIT	AMOUNT
		THIRD FLOOR				
		Cov Area of floor	6,668.0		Sq FT	
1		site preparation and material carriage to higher floors		LUMSUM		60,000
		R C C WORK				
2		Reinforced cement concrete work in wall (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts, etc. upt floor five level excluding cost of centring, shuttering, finishin and reinforcement. 1:1.5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20mm nominal size)	54.3		Cu m	
3		R C C work in beams,suspended floors, roofs having slope upto 15, landings,balconiec, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excludingthe cost of centring, shuttering, finishing and reinforcement with 1:2:4(1 cement:2 coarse sand:4 graded stone aggregate 20 mm nominal size).	105.0		Cu m	
4		Providing and laying upto floor five level reinforced cementconcrete in kerbs, steps and the like excluding the cost of centring, shuttering, finishing and reinforcement with 1:2:4(1cement:2 coarse sand:4 graded stone aggregate 20mm nominal size).	7.3		Cu m	
5		Reinforced cement concrete work in arhes, archribs, domes, vaults, shells, folded plate and roofs having slope more than 150 upto floor five level excluding the cost of centring. Shuttering. Finishing and reinforcement with 1:2:4(1 cement:2 coarse sand :4 graded stone aggregate 20mm nominal size)	9.0		Cu m	
6		Centring and shuttering including strutting,propping etc. and removal of form for.				
		Suspended floors, roots, landings, balcnies and access platform.	618.8		sq m	
		Shelves (Cost in situ)	26.6		sq m	
		Lintels, beams, plinth bams, griders, bressumers and contilevers.	350.0		sq m	
		Columns,Pillars, Piers, Abutments, Posts and Struts	452.0		sq m	
		Stairs,(excluding landings) except spiral-staircaces.	92.0		sq m	
		Weather shade,Chajjas, corbels etc. including edges	18.0		Sq m	

7		Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.				
		Thermo-Mechanically Treated bars TMTC-500-8mm dia.	5,610.0		kg	
		Thermo-Mechanically Treated bars TMTC-500-10mm dia.	3,603.0		kg	
		Thermo-Mechanically Treated bars TMTC-500-12mm dia.	780.0		kg	
		Thermo-Mechanically Treated bars TMT Fe-500-16mm dia.	4,569.0		kg	
		Thermo-Mechanically Treated bars TMT Fe-500-20mm dia.	10,624.0		kg	
		Thermo-Mechanically Treated bars TMT Fe-500-25mm dia.	3,880.0		kg	
		MASONRY WORK				
8		Brick work with bricks of class designation 100A in superstructure above plinth level upto floor V level in cement mortar 1:6 (1 cement:6 coarse sand)	356.0		Cu m	
9		Half brick masonry with bricks of class designation 100A in superstructure above plinth level upto floor V level in :Cement mortar 1:4 (1 cement: 4 coarse sand)	189.0		Sq m	
		FLOORING WORK				
10		Kota stone slab flooring over 25 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete 1:4 (1 cement: 4 coarse sand)	657.0		Sq m	
11		Kota stone slabs 20 mm thick in risers of steps skirting. Dado & pillars laid on 12 mm (average (thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete.	75.0		Sq m	
12		Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (Thickness to be specified by the manufacture) of approved make in all colours, shades except burgundy , bottle green , black of any size as approved by Engineer-in-charge in skirting , risers of steps and dados over 12 mm thick bed of cement Motar 1:3(1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	225.0		Sq m	

13		Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption's less than 0.08 % and conforming to IS : 15622 of approved make in all colours and shades, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) including grouting the joint with white cement and matching pigments etc., complete. Size of Tile 50x50 cm.	88.5		Sq m	
PLASTER WORK						
14		12 mm cement plaster of mix:1:6 (1 cement: 6 coarse sand)	1,800.0		sq m	
15		6 mm cement plaster to ceiling of mix :1:4(1 cement: 4 coarse sand)	700.0		sq m	
CARPENTRY,STEEL,HARDWARE						
16		Providing and fixing steel glazed doors, windows and ventilators of standard rolled steel sections, joints mitered and welded with 15x3 mm lugs 10 cm long with steel lugs embedded in cement concrete blocks 15x10x10 cm of 1:3:6(1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required, including providing and fixing of glass panes with glazing clips and special metal-sash putty of approved make complete including applying a priming coat of approved steel primer; excluding the cost of metal beading and other fitting except	47.0		Sq m	
17		Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S.pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge.30 mm thick	23.4		Sq m	
18		Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.Fixed to steel windows by welding (1.5 kg per sqft)	2,748.0		kg	
FINISHING WORK						
19		Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	1757		81.1	
20		Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade:				
		two or more coats	1757		86.4	

21		Finishing walls with Acrylic Smooth exterior paint of required shade :				
		New work (Two or more coat applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	559		133	
22		Applying priming coat with ready mixed zinc chromate yellow primer of approved brand and manufacture on steel galvanized iron/steel works.	276		34.60	
23		Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	276		54.30	
MISCELLANEOUS ITEM						
24		Providing and fixing circular/hexagonal cast iron or M s Sheet box for ceiling fan clamp of internal dia 140mm ,73mm height .top lid of 1.5 mm thick with its top surface hacked for proper bonding, top lid shall be screwed into the cast iron /M S sheet box by means of 3.3 mm dia round headed screws one lock at the corners clamp shall be made of 12mm dia M S bar bent to shape as per standard drawing.	29.0		each	
PLUMBING AND ELECTRICAL WORK						
25		Providing and fixing on wall face unplastidsed-PVC(working pressure 4 kgf per sqm) rain water pipes conforming to IS :4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion. 110 mm diameter	70.0		metre	
26		Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing.				
		32 mm nominal outer dia Pipes	30.6		metre	

27		Providing and fixing water closet squatting pan (Indian type W.C.pan) with 100 mm sand cast Iron P or S trap, 10 litre low fixtures complete, including cutting and making good the walls and level white P.V.C. flushing cistern				
		White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	12.0		each	
28		Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe :				
		One urinal basin with 5 litre white P.V.C. automatic flushing cistern	7.0		each	
29		White Vitreous China Surgeon type wash basin of size 660x460 mm with a pair of 15 mm C.P. brass pillar taps with elbow operated levers	8.0		EACH	
30		Taps of superior brands like Hindware and Jaguar	25.0		each	
31		connecting valves for RO	4.0		each	
32		Plumbing and fixtures (pipes and drainage pipe)	LUMSUM			
TOTAL						
COST OF CONSTRUCTION PER SQ FT						

Serial	SoR	Particulars	Quantity	Rate	Unit	Amount
		LIFT CAR				
		FOR CAPACITY OF 12-14 PPL (8' X 6')				
1		providing lift car for mximum 14-15 people capacity and of known brands like OTIS, TYSON, MITSUBISHI etc.		lumsum		
2		labour charge for carrying and fixing of lift car along with motor an connectors		lumsum		
TOTAL						

	DESCRIPTION	AREA (Sqft)	RATE (Rs/Sqft)	
1	Foundation and plinth	6,668.0		
2	ground floor	6,668.0		
3	First floor	6,668.0		
4	Second floor	6,668.0		
5	Third floor and terrace	6,668.0		
6	elevator			
	TOTAL	26,672.0		

SAY TOTAL

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