

NAME OF WORK

**CONSTRUCTION OF SHREE SHIRDI SAI BABA TEMPLE BY
SHIRDI SAI CULTURAL SOCIAL AND CHARITABLE TRUST AT
SARUPATHAR TOWN.**

DIST - GOLAGHAT – ASSAM

Pin :- 785601

Estimated Amount

Rs . 1,07,48,500.00

(Rupees One Crore Seven Lakh Forty Eight Thousand Five Hundred) Only.

NAME OF WORK:- CONSTRUCTION OF RCC SHIRDI SAI CULTURAL SOCIAL AND CHARITABLE TRUST AT SARUPATHAR TOWN, DISTRICT-GOLAGHAT, ASSAM.

Estimated Amount : Rs.1,07,48,500.00


Report

This estimate amounting to Rs.1,07,48,500.00 (rupees-One Crore Seven Lakh Forty thousand Five Hundred) only has been framed to show the probable cost construction of RCC Shirdi Sai Cultural Social and Charitable Trust at Sarupathar Town, District-Golaghat, Assam.

The following provision have been in this estimate

1. Earth work in excavation
2. Plain cement concrete work
3. DPC
4. R.C.C Work
5. Reinforcement work
6. Form work
7. Earth filling
8. Brick work
9. Cement plastering
10. Distempering work
11. Painting work
12. Priming coat
13. Enamel paint
14. Vitrified floor tiles
15. Chowkath door & windows
16. Panel door & windows
17. Sanitary work

This estimate is prepared as per schedule of rate for CPWD building for 2021. All works will be carried out as per general specification of CPWD current in the state.


Junior Engineer
Sarupathar Municipal Board
Sarupathar

21.05.19

NAME OF WORK:- CONSTRUCTION OF RCC SHIRDI SAI CULTURAL SOCIAL AND CHARITABLE TRUST AT SARUPATHAR TOWN, DISTRICT-GOLAGHAT, ASSAM.

Estimated Amount Rs.1,07,48,500.00

ABSTRACT OF COST

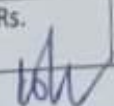
1. RCC Temple Portion	Rs.74,38,317.00
2. Assam Type Portion	Rs.17,58,779.00
3. Boundary wall portion	Rs.9,43,060.00
Total	Rs.1,01,40,156.00
<u>Add.6% GST</u>	<u>Rs. 6,08,409.00</u>
Total estimated amount	Rs.1,07,48,565.00
Say	Rs.1,07,48,500.00

(Rupees One Crore Seven Lakh Forty Eight Thousand Five Hundred) Only

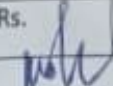

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NAME OF WORK:- CONSTRUCTION OF RCC SHIRDI SAI CULTURAL SOCIAL AND CHARITABLE TRUST AT SARUPATHAR TOWN, DISTRICT-GOLAGHAT, ASSAM.


Sl. no	Item Of Description	Unit	Quantit y	Rate (Rs)	Amount (Rs.)
RCC PORTION:-					
1/2.8	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means 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 up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. 2.8.1 -All kinds of soil $24 \times 1.80 \times 1.80 \times 1.80 = 139.96 \text{ cum}$	Cum	139.96	286.85	40,149.00
2/4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering-All work up to plinth level. 4.1.6A- 1:3:6 (1 Cement : 3 manufactured sand derived from recycled concrete aggregate (RCA): 6 graded stone aggregate 40 mm nominal size recycle aggregate (RA). Footing bed $24 \times 1.80 \times 1.80 \times 0.12 = 9.33 \text{ cum}$ Floor dhali $1 \times 25.00 \times 8.00 \times 0.10 = 20.00 \text{ cum}$ $= 29.33 \text{ cum}$	Cum	29.33	5059.85	1,48,405.00
3/4.10	Damp-Proof Course:-Providing and laying damp-proof course 40 mm thick with cement concrete 1:2:4 (1 cement:2 coarse sand derived from natural sources :4 graded stone aggregate 12.5 mm nominal size derived from natural sources) $2 \times 25.00 \times 0.25 = 12.50 \text{ sqm}$ $2 \times 8.00 \times 0.25 = 4.00 \text{ sqm}$ $= 16.50 \text{ sqm}$	Sqm	16.50	370.85	6,119.00
4/5.1	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement. All work up to plinth level. 5.1.2A- 1:1.5:3 (1 cement : 1.5 coarse sand including manufactured sand derived from recycled concrete aggregate (RCA) up to 20% :3 graded stone aggregate 20 mm nominal size of recycle concrete aggregate (RCA) up to 20% F $24 \times 1.60 \times 1.60 \times 0.35 = 21.50 \text{ cum}$ C $24 \times 1.35 \times 0.35 \times 0.35 = 3.97 \text{ cum}$ Beam $3 \times 25.00 \times 0.25 \times 0.40 = 7.50 \text{ cum}$ $6 \times 8.00 \times 0.25 \times 0.40 = 4.80 \text{ cum}$ T $= 37.77 \text{ CUM}$	Cum	37.77	8180.85	3,08,990.00
C.O.T Rs.					5,03,663.00


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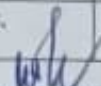
				B.F	Rs.	5,03,663.00
5/5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3. C Roof beam 24 x 5.35 x 0.35 x 0.35 =15.74 cum 3 x 26.00 x 0.25 x 0.45 =8.78 cum roof slab 6 x 10.00 x 0.25 x 0.45 =6.75 cum lintel 1 x 27.00 x 10.00 x 0.12 =32.40 cum 2 x 25.00 x 0.15 x 0.15 = 1.13 cum 2 x 8.00 x 0.15 x 0.15 = 0.36 cum Stair case landing... First land 1x1.80x3.35x0.15 =0.90 cum 2 nd land. 1x1.80x2.50x0.15 =0.68 cum landing 1x1.20x3.70x0.15 =0.67 cum steep 20x1.80x0.25x0.075 =0.68 cum =68.09 cum	cum	68.09	10719.30	7,29,877.00	
6/5.22	STEEL REINFORCEMENT- steel reinforcement for RCC work including straightening. Cutting, bending, placing in position and binding all complete upto plinth level. 5.22.1- Mild steel and Medium Tensile steel bars Post 24 x 8 x 2.85 x 2.46 =1346.11 kg Footing jall 24 x 32 x 1.60 x 1.58 =1941.50 kg Beam 3 x 6 x 26.00 x 1.58 =739.44 kg 6 x 6 x 10.00 x 1.58 =568.80 kg Stirrup column 8 mm dia bars 100 mm c/c distance post 24 x 18 x 1.25 x 0.395 =213.30 kg beam 3 x 208 x 1.40 x 0.395 =345.07 kg 6 x 80 x 1.25 x 0.395 =237.00 kg T =5391.22 kg	Kg	5391.22	88.95	4,79,549.00	
7/5.22 A	Steel reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete above plinth level. 5.22A.1- Mild steel and medium tensile steel bars. Post 24 x 8 x 4.00 x 2.46 =1889.28 kg r/beam 3 x 6 x 27.00 x 1.58 = 767.88 kg 6 x 6 x 10.60 x 1.58 =602.93 kg lintel 2 x 4 x 25.00 x 0.89 =178.00 kg 6 x 4 x 8.00 x 0.89 =170.88 kg r/slab 83 x 27.00 x 0.61 =1367.01 kg 225 x 10.00 x 0.61 =1372.50 kg Stirrup column 8 mm dia bars 100 mm c/c distance post 24 x 40 x 1.40 x 0.395 =530.88 kg beam 3 x 216 x 1.40 x 0.395 =358.34 kg 6 x 88 x 1.40 x 0.395 =291.98 kg Staircase 1 x 2 x 30 x 7.90 x 0.89 =421.86 kg 2 x 27 x 1.80 x 0.89 = 86.51 kg landing 1 x 2 x 12 x 3.70 x 0.89 = 79.03 kg T =8117.08 kg	kg	8117.08	88.95	7,22,014.00	
				C.O.T	Rs.	24,35,103.00


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
			B.F	Rs.	24,35,103.00
8/5.9	Centering and shuttering including strutting, propping etc. and removal of form for 5.9.1-Foundations, footings, bases of column etc. and removal concrete. Footing base(PCC) Footing 24 x 4 x 1.80 x 0.10 =17.28 sqm 24 x 4 x 1.60 x 0.35 =53.76 sqm T =71.04 sqm 5.9.3-suspended floor, roofs, landings, balconies and access platform. Roof slab Landing 1 x 27.00 x 10.60 =286.20 sqm 2 x 3.35 x 1.80 = 12.06 sqm 1 x 1.20 x 3.70 = 4.44 sqm T =302.70 SQM 5.9.5-Lintels, beams, plinth beams, girders, bressumers and cantilevers. P. Beam R. Beam Lintel 3 x 2 x 25.00 x 0.40 =60.00 sqm 6 x 2 x 8.00 x 0.40 =38.40 sqm 3 x 2 x 27.00 x 0.45 =72.90 sqm 6 x 2 x 10.00 x 0.45 =54.00 sqm 2 x 2 x 25.00 x 0.15 =15.00 sqm 2 x 2 x 8.00 x 0.15 = 4.80 sqm T =245.10 sqm 5.9.6- Columns, pillars, piers, abutments, posts and struts. Post 24 x 4 x 6.00 x 0.35 =201.60 sqm	Sqm	71.04	307.95	21,876.00
		Sqm	302.70	766.55	2,32,034.00
		Sqm	245.10	608.35	1,49,106.00
		sqm	201.60	804.25	1,62,136.00
9/2.25 (A)	Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 5 km also including ramming and watering of the earth in layer not exceeding 20 cm in trenches, plinth side of foundation etc. complete. 25.00 x 8.00 x 1.00 =200.00 cum	Cum	200.00	368.65	73,730.00
10/6.1	Brick work with common burnt clay F.P.S. (non modular) brick of class designation 7.5 in foundation and plinth in: 6.1.2- cement mortar 1:6 (1 cement : 6 coarse sand) Foundation 3 x 25.00 x 0.25 x 1.00 =18.75 cum 6 x 8.00 x 0.25 x 1.00 =12.00 cum T =30.75 cum	Cum	30.75	6658.25	2,04,741.00
11/6.1 2	Half brick masonry with common burnt clay F.P.S (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level. 6.13.2-Cement mortar 1:4 (1 cement : 4 coarse sand) 2 x 25.00 x 3.20 =160.00 sqm 2 x 5.00 x 3.00 =30.00 sqm 3 x 3.50 x 3.00 =31.50 sqm 2 x 8.00 x 3.20 =51.20 sqm T =272.70 sqm Deduct door 2 x 1.00 x 2.10 = 4.20 sqm 2 x 1.50 x 2.10 = 6.30 sqm G.T =262.20 sqm	Sqm	262.20	1018.05	2,66,932.00
			C.O.T	Rs.	35,45,658.00


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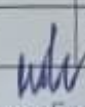
		B.F	Rs.	35,45,658.00	
12/13. 17	<p>6 MM CEMENT PLASTER-6 mm cement plaster 1:3 (1 cement : 3 fine sand) finished with a floating coat of neat cement and thick coat of lime wash on top of wall when dry for bearing of R.C.C. slabs and beams.</p> <p>Wall $2 \times 25.00 \times 3.20 = 160.00 \text{ sqm}$ $2 \times 8.00 \times 3.20 = 51.20 \text{ sqm}$ $4 \times 5.00 \times 3.20 = 64.00 \text{ sqm}$ $6 \times 3.50 \times 3.20 = 67.20 \text{ sqm}$ <u>$27.00 \times 10.00 = 270.00 \text{ sqm}$</u> T = 612.40 sqm</p> <p>r/slab</p>	sqm	612.40	334.20	2,04,664.00
13/13. 2	<p>CEMENT PLASTER (IN FINE SAND)-15 mm cement plaster on the rough side of single or half brick wall of mix.</p> <p>13.2.1- 1:4 (1 cement : 4 fine sand)</p> <p>Wall $2 \times 25.00 \times 4.20 = 210.00 \text{ sqm}$ $2 \times 8.00 \times 4.20 = 67.20 \text{ sqm}$ T = 277.20 sqm</p>	Sqm	277.20	339.70	94,164.00
14/13. 41	<p>INTERIOR FINISHING-Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade:</p> <p>13.41.1-New work (two or more coats) over and including water thin able priming coat with cement primer</p> <p>Wall $2 \times 25.00 \times 3.20 = 160.00 \text{ sqm}$ $2 \times 8.00 \times 3.20 = 51.20 \text{ sqm}$ $4 \times 5.00 \times 3.20 = 64.00 \text{ sqm}$ $6 \times 3.50 \times 3.20 = 67.20 \text{ sqm}$ <u>$27.00 \times 10.00 = 270.00 \text{ sqm}$</u> T = 612.40 sqm</p> <p>r/slab</p>	Sqm	612.40	162.55	99,545.00
15/13. 83	<p>Wall painting with premium acrylic emulsion paint of interior grade, having VOC (volatile organic compound) content less than 50 grams/liter of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.</p> <p>13.83.2- two coats.</p> <p>Wall $2 \times 25.00 \times 3.20 = 160.00 \text{ sqm}$ $2 \times 8.00 \times 3.20 = 51.20 \text{ sqm}$ $4 \times 5.00 \times 3.20 = 64.00 \text{ sqm}$ $6 \times 3.50 \times 3.20 = 67.20 \text{ sqm}$ <u>$27.00 \times 10.00 = 270.00 \text{ sqm}$</u> T = 612.40 sqm</p> <p>r/slab</p>	Sqm	612.40	121.55	74,437.00
16/13. 44	<p>EXTERIOR FINISHING-Finishing walls with water proofing cement paint of required shade:-</p> <p>13.44.1-New work (two or more coats applied @ 3.84 kg/10 sqm)</p> <p>Wall $2 \times 25.00 \times 4.20 = 210.00 \text{ sqm}$ $2 \times 8.00 \times 4.20 = 67.20 \text{ sqm}$ T = 277.20 sqm</p>	Sqm	277.20	97.60	27,054.00
		C.O.T	Rs.	40,45,522.00	


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		B.F	Rs.	40,45,522.00	
17/11.41	<p>VITRIFIED FLOOR TILES:-Providing and laying vitrified floor tiles in different size (thickness to be specified by the manufacture) with water absorption 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) jointing with grey cement slurry @ 3.3 kg/sqm including grouting the joints with white cement and matching pigments etc., complete.</p> <p>11.41.2-Size of Tiles 800 x 800 mm 25.00 x 8.00 =200.00 sqm</p>	Sqm	200.00	1879.95	3,75,990.00
18/9.1	<p>Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash faster shall be paid for separately)</p> <p>9.1.2-sal wood door</p> <p>2 x 1 x 1.00 x 0.075 x 0.125=0.019 cum 2 x 2 x 2.10 x 0.075 x 0.125=0.079 cum 2 x 2 x 1.50 x 0.075 x 0.125=0.056 cum 2 x 2 x 2.10 x 0.075 x 0.125=0.079 cum T=0.233 cum</p>	cum	0.233	106720.85	24,865.00
19/9.5	<p>Providing and fixing paneled or paneled and glazed shutter or doors windows and clerestory windows, fixing with butt hinges of required size with necessary screws, excluding paneling which will be paid for separately all complete as per direction of Engineer in charge (Note:-Butt hinges and necessary screws shall be paid separately)</p> <p>9.5.2- kiln seasoned and chemically treated hollok wood</p> <p>9.5.2.1-35 mm thick shutters door</p> <p>2 x 1.00 x 2.10 =4.20 sqm 2 x 1.50 x 2.10 =6.30 sqm T =10.50 sqm</p>	Sqm	10.50	2511.95	26,375.00
20/9.1.2	<p>Extra for providing frosted glass panes 4 mm thick instead of ordinary float glass panes 4 mm thick in door, windows and clerestory windows shutter(area of opening for glass panes excluding portion inside rebate shall be measured)</p> <p>door</p> <p>2 x 1.00 x 2.10 =4.20 sqm 2 x 1.50 x 2.10 =6.30 sqm T =10.50 sqm</p>	Sqm	10.50	148.50	1,559.00
21/9.6.2	<p>Providing and fixing ISI marked oxidized M.S sliding door bolts with nuts and screws etc. complete.</p> <p>9.62.1- 300 x 16 mm Qty =14 Nos</p>	Each	14	180.55	2,528.00
		C.O.T	Rs.	44,76,839.00	



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				B.F	Rs.	44,76,839.00
FIRST FLOOR:-						
22/5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3.					
C						
Roof beam	20 x 4.00 x 0.35 x 0.35 = 9.80 cum					
	3 x 26.00 x 0.25 x 0.45 = 8.78 cum					
roof slab	6 x 10.00 x 0.25 x 0.45 = 6.75 cum					
intel	1 x 27.00 x 10.00 x 0.12 = 32.40 cum					
	2 x 25.00 x 0.15 x 0.15 = 1.13 cum					
	2 x 8.00 x 0.15 x 0.15 = 0.36 cum					
		cum	59.22	10719.30	6,34,796.00	
23/5.2	Steel reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete above plinth level.					
2A	5.22A.1- Mild steel and medium tensile steel bars.					
Post	20 x 8 x 4.00 x 2.46 = 1574.40 kg					
r/beam	3 x 6 x 27.00 x 1.58 = 767.88 kg					
	6 x 6 x 10.60 x 1.58 = 602.93 kg					
intel	2 x 4 x 25.00 x 0.89 = 178.00 kg					
	6 x 4 x 8.00 x 0.89 = 170.88 kg					
r/slab	83 x 27.00 x 0.61 = 1367.01 kg					
	225 x 10.00 x 0.61 = 1372.50 kg					
Stirrup column	8 mm dia bars 100 mm c/c distance					
post	24 x 40 x 1.40 x 0.395 = 530.88 kg					
beam	3 x 216 x 1.40 x 0.395 = 358.34 kg					
	6 x 88 x 1.40 x 0.395 = 291.98 kg					
Staircase	1 x 2 x 30 x 7.90 x 0.89 = 421.86 kg					
	2 x 27 x 1.80 x 0.89 = 86.51 kg					
landing	1 x 2 x 12 x 3.70 x 0.89 = 79.03 kg					
	T = 7802.19 kg	kg	7802.19	88.95	6,94,004.00	
24/6.1	Half brick masonry with common burnt clay F.P.S (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.					
2	6.13.2-Cement mortar 1:4 (1 cement : 4 coarse sand)					
	2 x 25.00 x 3.20 = 160.00 sqm					
	2 x 5.00 x 3.00 = 30.00 sqm					
	3 x 3.50 x 3.00 = 31.50 sqm					
	2 x 8.00 x 3.20 = 51.20 sqm					
	T = 272.70 sqm					
Deduct door	2 x 1.00 x 2.10 = 4.20 sqm					
	2 x 1.50 x 2.10 = 6.30 sqm					
	G.T = 262.20 sqm	Sqm	262.20	1018.05	2,66,932.00	
				C.O.T	Rs.	60,72,571.00



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		B.F.	Rs.	60,72,571.00	
25/5.9	Centering and shuttering including strutting, propping etc. and removal of form for 5.9.3-suspended floor, roofs, landings, balconies and access platform. Roof slab Landing 1 x 27.00 x 10.60 =286.20 sqm 2 x 3.35 x 1.80 = 12.06 sqm 1 x 1.20 x 3.70 = 4.44 sqm T =302.70 SQM 5.9.5- Lintels, beams, plinth beams, girders, bressumers and cantilevers. P. Beam 3 x 2 x 25.00 x 0.40 =60.00 sqm R. Beam 6 x 2 x 8.00 x 0.40 =38.40 sqm 3 x 2 x 27.00 x 0.45 =72.90 sqm Lintel 6 x 2 x 10.00 x 0.45 =54.00 sqm 2 x 2 x 25.00 x 0.15 =15.00 sqm 2 x 2 x 8.00 x 0.15 = 4.80 sqm T =245.10 sqm 5.9.6- Columns, pillars, piers, abutments, posts and struts. Post 20 x 4 x 4.00 x 0.35 =112.00 sqm	Sqm	302.70	766.55	2,32,034.00
		Sqm	245.10	608.35	1,49,106.00
		sqm	112.00	804.25	90,076.00
26/13.17	6 MM CEMENT PLASTER-6 mm cement plaster 1:3 (1 cement : 3 fine sand) finished with a floating coat of neat cement and thick coat of lime wash on top of wall when dry for bearing of R.C.C. slabs and beams. Wall 2 x 25.00 x 3.20 =160.00 sqm 2 x 8.00 x 3.20 = 51.20 sqm 4 x 5.00 x 3.20 = 64.00 sqm 6 x 3.50 x 3.20 = 67.20 sqm r/slab 27.00 x 10.00 =270.00 sqm T =612.40 sqm	sqm	612.40	334.20	2,04,664.00
27/13.2	CEMENT PLASTER (IN FINE SAND)-15 mm cement plaster on the rough side of single or half brick wall of mix. 13.2.1- 1:4 (1 cement : 4 fine sand) 2 x 25.00 x 4.20 =210.00 sqm 2 x 8.00 x 4.20 = 67.20 sqm T =277.20 sqm	Sqm	277.20	339.70	94,164.00
28/13.41	INTERIOR FINISHING-Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade: 13.41.1-New work (two or more coats) over and including water thin able priming coat with cement primer Wall 2 x 25.00 x 3.20 =160.00 sqm 2 x 8.00 x 3.20 = 51.20 sqm 4 x 5.00 x 3.20 = 64.00 sqm 6 x 3.50 x 3.20 = 67.20 sqm r/slab 27.00 x 10.00 =270.00 sqm T =612.40 sqm	Sqm	612.40	162.55	99,545.00
		C.O.T	Rs.	69,42,160.00	


		B.F.	Rs.	69,42,160.00	
29/13. 44	<p>EXTERIOR FINISHING-Finishing walls with water proofing cement paint of required shade:- 13.44.1-New work (two or more coats applied @ 3.84 kg/10 sqm)</p> <p>2 x 25.00 x 4.20 =210.00 sqm 2 x 8.00 x 4.20 = 67.20 sqm T =277.20 sqm</p>	Sqm	277.20	97.60	27,054.00
30/13. 83	<p>Wall painting with premium acrylic emulsion paint of interior grade, having VOC (volatile organic compound) content less than 50 grams/liter of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. 13.83.2- two coats.</p> <p>Wall 2 x 25.00 x 3.20 =160.00 sqm 2 x 8.00 x 3.20 = 51.20 sqm 4 x 5.00 x 3.20 = 64.00 sqm 6 x 3.50 x 3.20 = 67.20 sqm r/slab 27.00 x 10.00 =270.00 sqm T =612.40 sqm</p>	Sqm	612.40	121.55	74,437.00
31/11. 41	<p>VITRIFIED FLOOR TILES:-Providing and laying vitrified floor tiles in different size (thickness to be specified by the manufacture) with water absorption 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 jointing with grey cement slurry @ 3.3 kg/sqm including grouting the joints with white cement and matching pigments etc., complete. 11.41.2-Size of Tiles 800 x 800 mm 25.00 x 8.00 =200.00 sqm</p>	Sqm	200.00	1879.95	3,75,990.00
32/9.1	<p>Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length 9.1.2-sal wood door 2 x 1 x 1.00 x 0.075 x 0.125=0.019 cum 2 x 2 x 2.10 x 0.075 x 0.125=0.079 cum 1 x 2 x 2.00 x 0.075 x 0.125=0.038 cum 1 x 2 x 2.10 x 0.075 x 0.125=0.039 cum T=0.175 cum</p>	cum	0.175	106720.85	18,676.00
ASSAM TYPE PORTION:-					
33/2.8	<p>Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means 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 up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. 2.8.1 -All kinds of soil Footing 16 x 1.00 x 1.00 x 1.20 =19.20 cum</p>	Cum	19.20	286.85	5,508.00
			C.O.T	Rs.	74,43,825.00


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		B.F	Rs.	74,43,825.00	
34/4.1	<p>Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering-All work up to plinth level.</p> <p>4.1.5- 1:3:6 (1 Cement : 3 coarse sand(zone-III) derived from natural sources:6 graded stone aggregate 20 mm nominal size derived from natural sources).</p> <p>For footing bed $16 \times 1.00 \times 1.00 \times 0.10 = 1.60 \text{ cum}$ Plinth beam bed $2 \times 26.80 \times 0.25 \times 0.10 = 1.34 \text{ cum}$ For steep $7 \times 5.00 \times 0.25 \times 0.10 = 0.88 \text{ cum}$ $2 \times 1.50 \times 1.00 \times 0.10 = 0.30 \text{ cum}$ $= 4.12 \text{ cum}$</p>	Cum	4.12	6833.40	28,154.00
35/4.1 0	<p>Damp-Proof Course:-Providing and laying damp-proof course 40 mm thick with cement concrete 1:2:4</p> <p>Long wall $2 \times 26.80 \times 0.25 = 13.40 \text{ sqm}$ Sort wall $5 \times 4.00 \times 0.25 = 5.00 \text{ sqm}$ $= 18.40 \text{ sqm}$</p>	Sqm	18.40	370.85	6,823.00
36/5.1	<p>Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement. All work up to plinth level.</p> <p>5.1.2- 1:1.5:3 (1 cement: 1.5 coarse sand (zone-III) derived from natural sources: 3 graded stone 20 mm nominal size derived from natural sources).</p> <p>Footing $16 \times 0.80 \times 0.80 \times 0.25 = 2.56 \text{ cum}$ Column $16 \times 0.80 \times 0.20 \times 0.20 = 0.51 \text{ cum}$ Plinth Beam $2 \times 26.80 \times 0.20 \times 0.30 = 3.22 \text{ cum}$ $7 \times 5.00 \times 0.20 \times 0.30 = 2.10 \text{ cum}$ $T = 8.39 \text{ cum}$</p>	Cum	8.39	8364.20	70,175.00
37/5.3	<p>Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)</p> <p>Column $16 \times 3.50 \times 0.20 \times 0.20 = 2.24 \text{ cum}$ Lintel $6 \times 4.00 \times 0.15 \times 0.15 = 0.54 \text{ cum}$ $2 \times 26.00 \times 0.15 \times 0.15 = 1.17 \text{ cum}$ $= 3.95 \text{ cum}$</p>	cum	3.95	10719.30	42,341.00
		C.O.T	Rs.	75,91,318.00	


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		B.F	Rs.	75,91,318.00	
38/5.22	<p>STEEL REINFORCEMENT- steel reinforcement for RCC work including straightening. Cutting, bending, placing in position and binding all complete up to plinth level.</p> <p>5.22.6- Thermo Mechanically Treated bars of grade Fe-500D or more</p> <p>Post $16 \times 4 \times 1.20 \times 0.89 = 68.35 \text{ kg}$ Footing jail 8 mm dia bars 100 mm centre to centre distance</p> <p>Beam $16 \times 14 \times 0.80 \times 0.395 = 70.78 \text{ kg}$ $2 \times 4 \times 26.80 \times 0.89 = 190.81 \text{ kg}$ $7 \times 4 \times 5.00 \times 0.89 = 124.60 \text{ kg}$</p> <p>Stirrup column 6 mm dia bars 100 mm c/c distance Post $16 \times 14 \times 0.85 \times 0.222 = 42.27 \text{ kg}$</p> <p>Stirrup for beam 6 mm dia bars 100 mm centre to centre distance. $2 \times 214 \times 0.95 \times 0.222 = 90.27 \text{ kg}$ $7 \times 40 \times 0.95 \times 0.222 = 59.05 \text{ kg}$ T = 646.13 kg</p>	Kg	646.13	89.65	57,925.00
39/5.22 A	<p>Steel reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete above plinth level.</p> <p>5.22A.6- Thermo Mechanically Treated bars of grade Fe-500D or more</p> <p>Post $16 \times 4 \times 3.80 \times 0.89 = 216.45 \text{ kg}$</p> <p>Stirrup for post $16 \times 38 \times 0.85 \times 0.222 = 114.73 \text{ kg}$ T = 331.18 kg</p>	Kg	331.18	89.65	29,690.00
40/5.9	<p>Centering and shuttering including strutting, propping etc. and removal of form for</p> <p>5.9.1-Foundations, footings, basses of column etc. and removal concrete.</p> <p>Footing base(PCC) $16 \times 4 \times 0.90 \times 0.10 = 5.76 \text{ sqm}$ Footing $16 \times 4 \times 0.80 \times 0.20 = 10.24 \text{ sqm}$ T = 16.00 sqm</p> <p>5.9.5-Lintels, beams, plinth beams, girders, bressumers and cantilevers.</p> <p>P. Beam $2 \times 2 \times 26.80 \times 0.30 = 32.16 \text{ sqm}$ $7 \times 2 \times 4.80 \times 0.30 = 20.16 \text{ sqm}$ T = 52.32 sqm</p> <p>5.9.6- Columns, pillars, piers, abutments, posts and struts. Post $16 \times 4 \times 3.80 \times 0.20 = 48.64 \text{ sqm}$</p>	Sqm	16.00	307.95	4,927.00
		Sqm	52.32	608.35	31,828.00
		sqm	48.64	804.25	39,118.00
41/2.25 (A)	<p>Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 5 km also including ramming and watering of the earth in layer not exceeding 20 cm in trenches, plinth side of foundation etc. complete.</p> <p>$5.00 \times 26.80 \times 1.00 = 134.00 \text{ cum}$</p>	Cum	134.00	368.65	49,399.00
		C.O.T	Rs.	78,04,205.00	


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		B.F	Rs.	78,04,205.00	
42/6.1	<p>Brick work with common burnt clay F.P.S. (non modular) brick of class designation 7.5 in foundation and plinth in:</p> <p>6.1.2- cement mortar 1:6 (1 cement : 6 coarse sand)</p> <p>Foundation</p> <p>Long wall</p> <p>Short wall</p> <p>$2 \times 26.80 \times 0.25 \times 0.75 = 10.05 \text{ cum}$</p> <p>$6 \times 5.00 \times 0.25 \times 0.75 = 5.63 \text{ cum}$</p> <p>=15.68 cum</p>				
43/6.12	<p>Half brick masonry with common burnt clay F.P.S (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.</p> <p>6.13.2-Cement mortar 1:4 (1 cement : 4 coarse sand)</p> <p>Long wall</p> <p>Short wall</p> <p>$2 \times 26.80 \times 3.20 = 171.52 \text{ sqm}$</p> <p>$6 \times 5.00 \times 3.20 = 96.00 \text{ sqm}$</p> <p>T = 267.52 sqm</p>	Cum	15.68	6658.25	1,04,401.00
44/10.1 6	<p>Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hosting, fixing in position and applying a priming coat of approved steel primer all complete.</p> <p>10.16.1 Hot finished welded type tube</p> <p><u>50 mm dia nominal bore and outside diameter 60.30 mm thickness 3.65 mm:-</u></p> <p>King Post $7 \times 1.80 \times 5.10 = 64.26 \text{ kg}$</p> <p>Tie $7 \times 5.00 \times 5.10 = 178.50 \text{ kg}$</p> <p><u>40 mm dia nominal bore and outside diameter 48.40 mm thickness 3.25 mm:-</u></p> <p>Rafter $7 \times 2 \times 3.60 \times 3.61 = 181.94 \text{ kg}$</p> <p>Purlin $2 \times 4 \times 26.80 \times 3.61 = 773.98 \text{ kg}$</p> <p>Strut $7 \times 2 \times 1.50 \times 3.61 = 75.81 \text{ kg}$</p> <p>$7 \times 2 \times 1.10 \times 3.61 = 55.59 \text{ kg}$</p> <p>T = 1330.08 kg</p>	Sqm	267.52	1018.05	2,72,348.00
45/12.1	<p>Providing corrugated G.S. Sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts, and nuts 8 mm diameter with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.</p> <p>12.1.3- 0.63 mm thick with zinc coating not less than 275 gm/sqm</p> <p>$2 \times 3.60 \times 26.80 = 192.96 \text{ sqm}$</p>	kg	1330.08	154.90	2,06,029.00
46/12.4	<p>Providing ridges or hips of ridges 60 cm overall width plain G.S sheet fixed with polymer coated J or L hooks, bolts and 8 mm dia GI limpet and bitumen washers complete.</p> <p>12.4.2- 0.63 mm thick with zinc coating not less than 175 gm/sqm</p> <p>$1 \times 26.80 = 26.80 \text{ m}$</p>	Sqm	192.96	978.00	1,88,714.00
		m	26.80	750.85	20,122.00
		C.O.T		Rs.	85,95,819.00

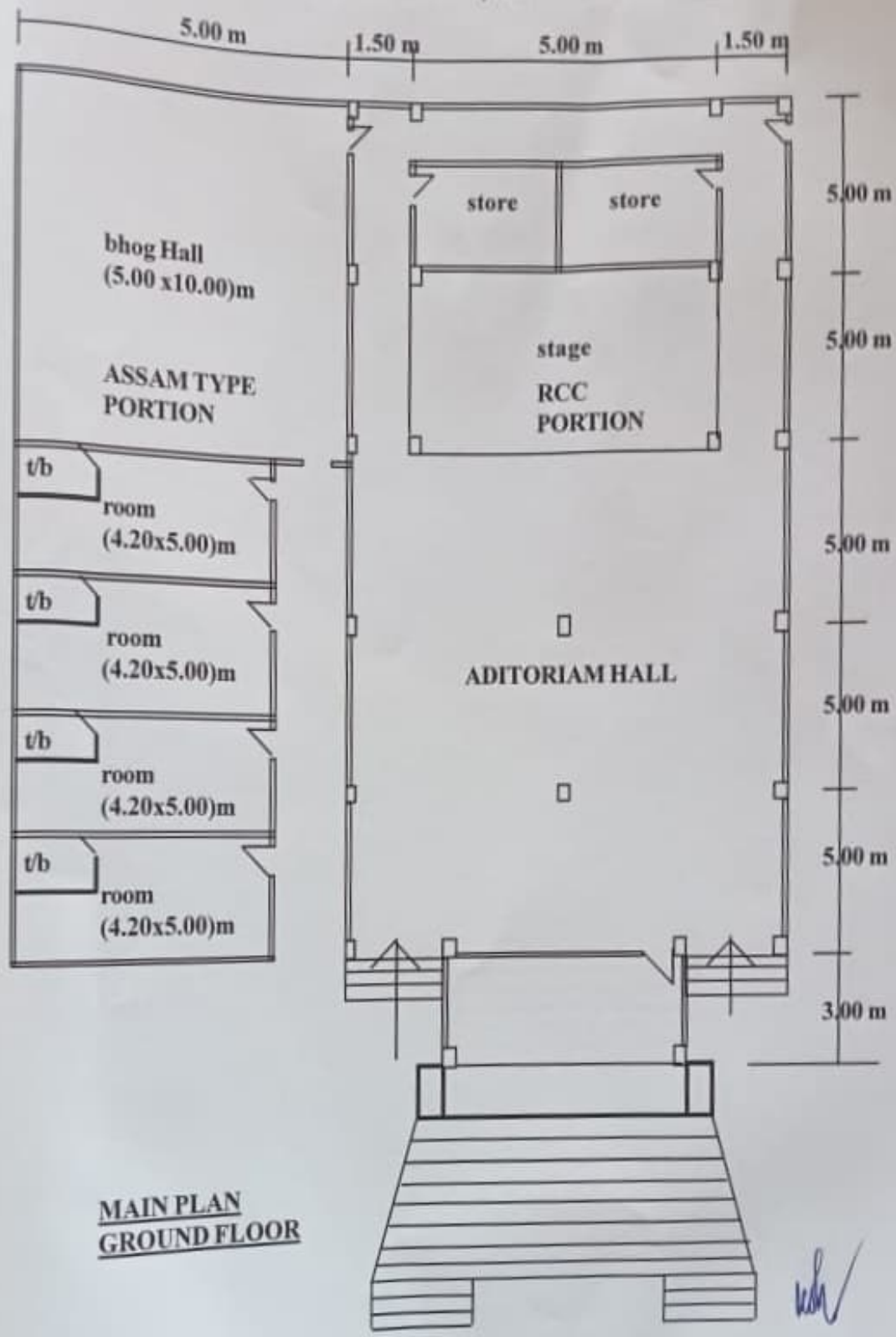
				B.F	91,81,972.00
53/17.1 3	Providing and fixing white vitreous china water closet squatting pan (Indian Type) 11.13.2-Orissa pattern W.C pan 580x440 mm	Each	4	2758.20	11,032.00
54/17.1 8	Providing and fixing PVC low level flushing cistern with manually controlled device (handle lever) conforming IS:7231, with all fittings and fixtures complete. 17.18.1-10 litre capacity -White	Each	4	1023.05	4092.00
BOUNDARY WALL:-					
55/2.8	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means 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 up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. <u>2.8.1</u> -All kinds of soil Footing $82 \times 0.90 \times 0.90 \times 1.20 = 79.70 \text{ cum}$	Cum	79.70	286.85	22,863.00
56/4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering-All work up to plinth level. <u>4.1.5</u> - 1:3:6 (1 Cement : 3 coarse sand(zone-III) derived from natural sources:6 graded stone aggregate 20 mm nominal size derived from natural sources). Footing bed $82 \times 0.90 \times 0.90 \times 0.10 = 6.64 \text{ cum}$ Bed for plinth beam $80 \times 2.30 \times 0.25 \times 0.075 = 3.45 \text{ cum}$ $= 10.09 \text{ cum}$	Cum	10.09	6833.40	68,949.00
57/5.1	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement. All work up to plinth level. <u>5.1.2</u> - 1:1.5:3 (1 cement: 1.5 coarse sand (zone-III) derived from natural sources: 3 graded stone 20 mm nominal size derived from natural sources). Footing $82 \times 0.70 \times 0.70 \times 0.20 = 8.03 \text{ cum}$ Column $82 \times 0.80 \times 0.20 \times 0.20 = 2.62 \text{ cum}$ Plinth Beam $80 \times 2.30 \times 0.20 \times 0.25 = 9.20 \text{ cum}$ T $= 19.85 \text{ cum}$	Cum	19.85	8364.20	1,66,029.00
58/5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources) Column $80 \times 1.25 \times 0.20 \times 0.20 = 4.00 \text{ cum}$	cum	4.00	10719.30	42,877.00
				C.O.T Rs.	94,97,814.00

				B.F	94,97,814.00	
59/5.22 A	Steel reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete above plinth level. 5.22A.6- Thermo Mechanically Treated bars of grade Fe-500D or more Post Stirrup post	80 x 4 x 1.25 x 0.89 =356.00 kg 80 x 12 x 0.85 x 0.222 =181.15 kg T =537.15 kg	Kg	537.15	89.65	48,155.00
60/5.22	STEEL REINFORCEMENT- steel reinforcement for RCC work including straightening, Cutting, bending, placing in position and binding all complete up to plinth level. 5.22.6- Thermo Mechanically Treated bars of grade Fe-500D or more Post Footing jail 8 mm dia bars 100 mm centre to centre distance Beam Stirrup column 6 mm dia bars 100 mm c/c distance Post Stirrup for beam 6 mm dia bars 100 mm centre to centre distance.	80 x 4 x 1.10 x 0.89 =313.28 kg 80 x 14 x 0.80 x 0.395 =353.92 kg 208.00 x 4 x 0.89 =740.48 kg 80 x 11 x 0.85 x 0.222 =166.05 kg 80 x 23 x 0.95 x 0.222 =388.05 kg T =1961.78 kg	Kg	1961.78	89.65	1,75,873.00
61/5.9	Centering and shuttering including strutting, propping etc. and removal of form for 5.9.1-Foundations, footings, busses of column etc. and removal concrete. Footing base(PCC) Footing 5.9.5- Lintels, beams, plinth beams, girders, bressumers and cantilevers. P. Beam 5.9.6- Columns, pillars, piers, abutments, posts and struts. Post	82 x 4 x 0.90 x 0.10 =29.52 sqm 82 x 4 x 0.80 x 0.20 =52.48 sqm T =82.00 sqm 80 x 2 x 2.30 x 0.25 =92.00 sqm 80 x 4 x 0.20 x 2.00=128.00 sqm	Sqm	82.00	307.95	25,251.00
62/6.12	Half brick masonry with common burnt clay F.P.S (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level. 6.13.2-Cement mortar 1:4 (1 cement : 4 coarse sand) Wall	80 x 2.30 x 1.25 =230.00 sqm	Sqm	230.00	1018.05	2,34,151.00
Total					Rs.	1,01,40,156.00
Add. 6% GST					Rs.	6,08,409.00
Total Estimated Amount					Rs.	1,07,48,565.00
Say					Rs.	1,07,48,500.00

(Rupees One Crore Seven Lakh Forty Eight Thousand Five Hundred) Only

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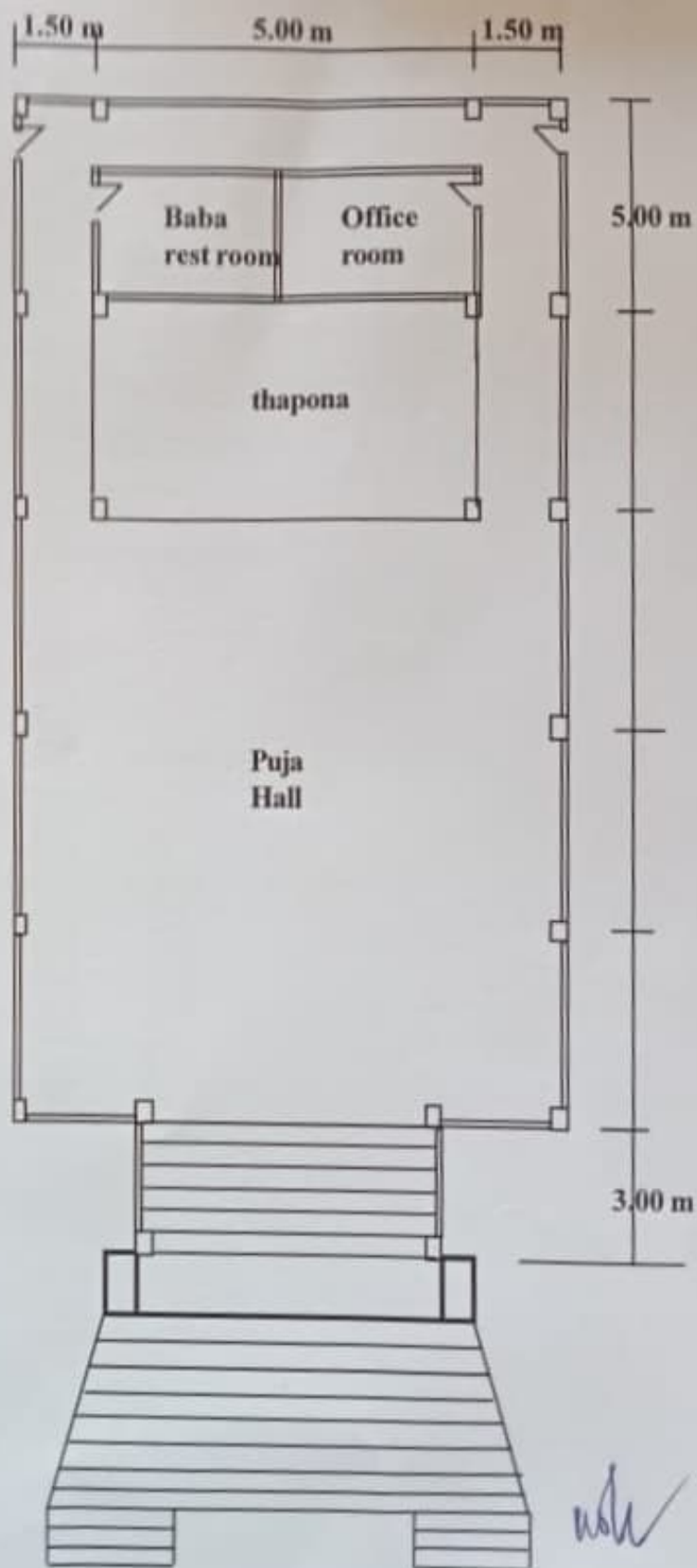
NAME OF WORK:- CONSTRUCTION OF RCC SHIRDI SAI CULTURAL SOCIAL AND CHARITABLE TRUST AT SARUPATHAR TOWN, DISTRICT-GOLAGHAT, ASSAM.



MAIN PLAN
GROUND FLOOR

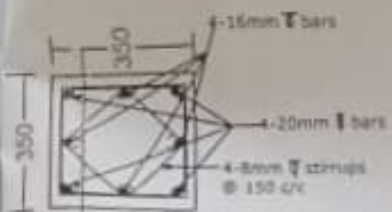
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NAME OF WORK:- CONSTRUCTION OF RCC SHIRDI SAI CULTURAL SOCIAL AND CHARITABLE TRUST AT SARUPATHAR TOWN, DISTRICT-GOLAGHAT, ASSAM.

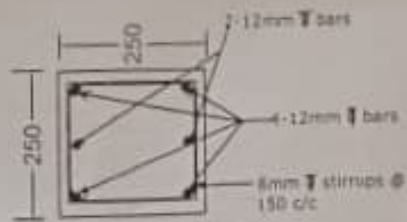


MAIN PLAN
FRIST FLOOR

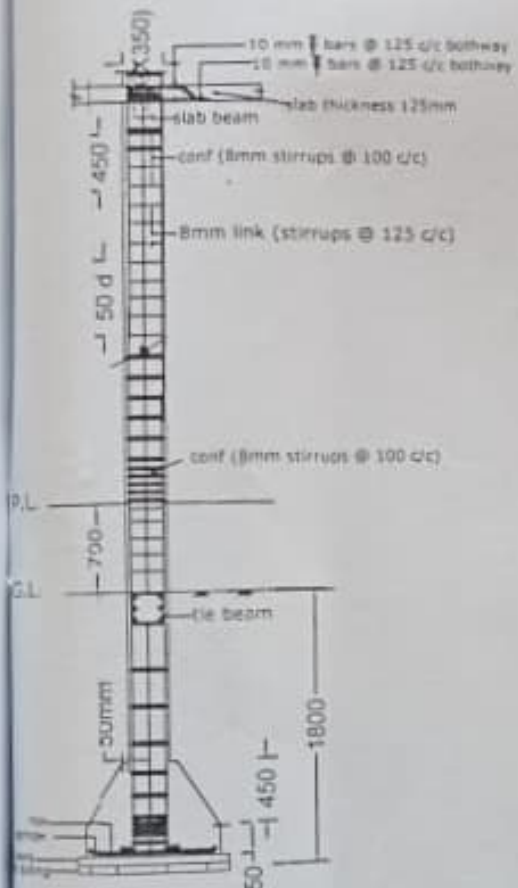
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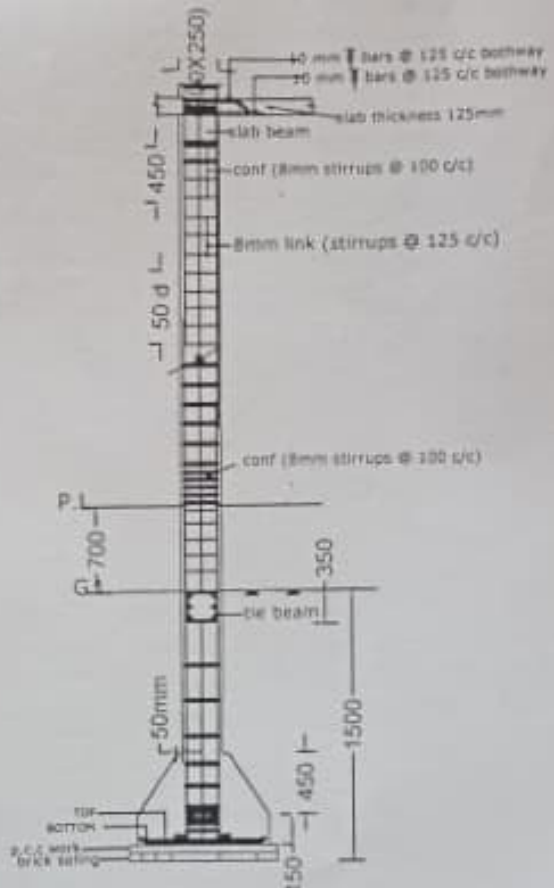
COLUMN (C1)
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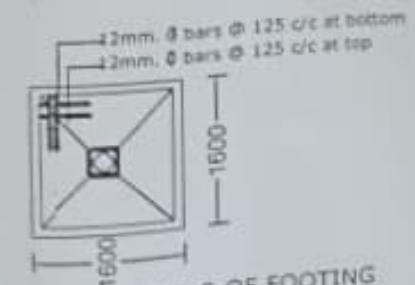
COLUMN (C2)
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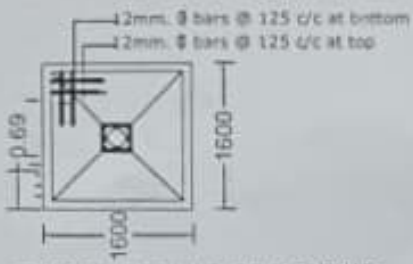
TYPICAL DETAILS OF COLUMN (C1)
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TYPICAL DETAILS OF COLUMN (C2)
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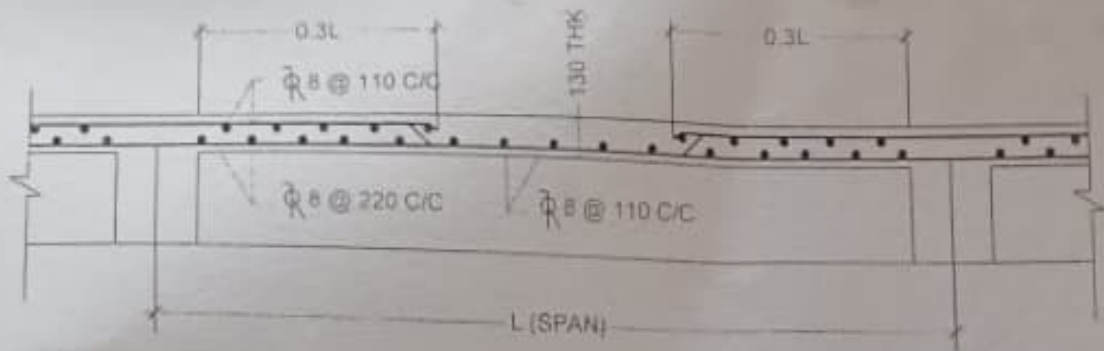
TYPICAL DETAILS OF FOOTING
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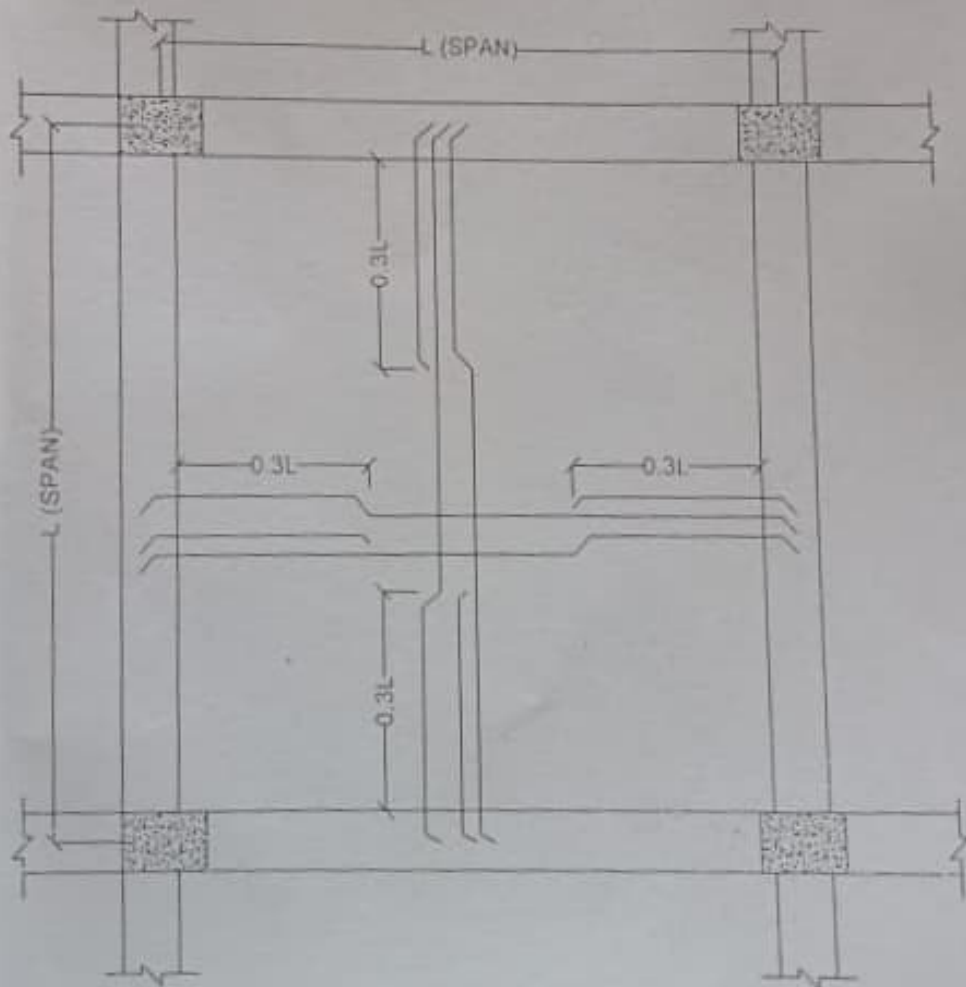
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TYPICAL SECTION OF SLAB



TYPICAL LAYOUT OF SLAB

ALL SLAB THICKNESS 130MM, UNLESS OTHERWISE SPECIFIED

REINFORCEMENT OF SLAB

ϕ 8 @ 110 c/c in bothways

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