..... Model Estimate .....

Construction
of
Office Building
for

'Anchalik Panchayat'

Vnder

TASFC 2010-11

Estimated Amount : ₹ 28.00 Lakhs

Name of the Work : *Model Estimate for Construction of Office Building of*

Anchalik Panchayat

Head : *TASFC 2010-11*

Estimated Amount : ₹ *28,00,000.00 (Rupees Twenty Eight Lakhs) only*

REPORT

Panchayats at different levels play an important role in the implementation of Panchayat & Rural Development Schemes. Panchayats are the principal Implementing Agencies. However most of the Panchayats do not have proper place to efficiently discharge their duties and responsibilities. Strengthening the infrastructure at Anchalik Panchayat level to effectively and efficiently implement Panchayat & Rural Development Schemes has constantly been demanded.

To strengthen the infrastructure at the Anchalik Panchayat level, the State Government has recommended ₹ *28.00 Lakhs under TASFC 2010-11. Accordingly a Model Estimate for Construction of Office Building at Anchalik Panchyat Level has been prepared to serve the following purposes :*

i) Providing ample space for the functioning of dedicated personnel

ii) Enabling Meetings, Assemblies

iii) Supporting ICT infrastructure for MIS

iv) Maintaining office records,

v) Grievance redressal.

vi) Training and Capacity Building

vii) Operationalising ICT based MIS.

viii) Providing a single window for information on rural development programmes which would ensure transparency and accountability.

These office Buildings will become the hub for :

i. Facilitating convergence of all the schemes of rural development, as well as of convergence between P & RD schemes and other development programmes related to rural areas / communities.

ii. Backward and forward linkages, which will be required for convergence for creating more productive and durable assets.

iii. Collection and sharing of knowledge, awareness and information about other related Schemes for the purpose of convergence.

iv. Dissemination and use of new technology.

v. Capacity building and skill development.

The major functional elements considered for the OFFICE AT ANCHALIK PANCHAYAT LEVEL are as follows :

a. Meeting / Training & capacity building hall

b. MIS room

c. Office space with server room

d. Office space for Rural Development Programmes

e. Work Stations for the employees

f. Citizen centric interface room

g. Reception & Lobby

h. Staircases

i. External toilet complex

I am sure, the Office Building would meet the expectations of the all concerned and would accelerate the effective implementation of the P & RD Programmes in compliance with the statutory processes. The Building will provide a common platform for the citizens to exercise their rights and entitlements & to interact and exchange their experiences and provide logistic support and a record keeping facility centre. This Office will function as a Citizen-Centric Knowledge Resource Centre to allow access to information on Panchayat & Rural Development Programmes.

Avinash Joshi, IAS
Commissioner
Panchayat & Rural Development, Govt. of Assam
Juripar : Guwahati : Assam

Construction of Office Building of Anchalik Panchayat

Under TASFC 2010-11

Estimated Amount : ₹28.00 Lakhs (Rupees Twenty Eight Lakhs only)

ABSTRACT OF COST

Sl No.	Particulars	Amount	Remarks
1	Cost of Panchayat Office Building	₹ 23,77,000.00	
2	Cost of Toilet Block	₹ 2,58,000.00	
3	Cost of Furniture	₹ 42,000.00	
4	Cost of Barbed wire fencing @ `529.68 / Rm. => Total Length = 180 Rm.	₹ 95,300.00	
5	Contingency 1%	₹ 28,000.00	
	Total Amount (1+2+3+4+5) =	₹ 28,00,300.00	
	Say, ₹ 28,00,000.00 (Rupees Twenty Eight Lakhs only)		

A. Rahman
Jt. Director
Panchayat & Rural Development : Assam
Juripar : Guwahati : Assam

Dhrubajyoti Sarmah
Jr. Engineer
Pachim Kaliabor Development Block
Missa : Nagaon : Assam

(1) 1.1 Earth work in excavation for foundation trenches of walls,retaining walls,footings of columns,steps and septic tank etc. including refiling (return filling) the quantity as necessary after completing of work, breaking clods in return filling dressing, watering and ramming etc and removal of surplus earth with all lead & lift as directed and specified in followng classification of soils including bailing out water where necessary.

(A) Up to depth of 2.0 m below the existing G.L

(a) In Ordinary Soil

Column	8	x	2.10	x	2.10	x	1.80	=	63.504 Cum.
	12	x	1.90	x	1.90	x	1.80	=	77.976 Cum.
	4	x	1.80	x	1.80	x	1.50	=	19.440 Cum.
Tie Beam	5	x	16.03	x	0.30	x	0.45	=	10.820 Cum.
	4	x	14.60	x	0.30	x	0.35	=	6.132 Cum.
	1	x	3.65	x	0.30	x	0.35	=	0.383 Cum.
	4	x	2.00	x	0.30	x	0.35	=	0.840 Cum.
	1	x	11.40	x	0.30	x	0.35	=	1.197 Cum.
							Total	=	180.292 Cum.

@ Rs 64.67 / Cum - - - Rs 11,659.00

(2) 4.1.1. Providing brick soiling in foundation and under floor with stone / best quality picked jhama brick, sand packed and laid to level and in panel after preparing the subgrade as directed including all labour and materials and if necessary dewatering , complete.

(a) Brick on flat soling

Column / Footing		8	x	1.95	x	1.95	=	30.42	Sqm.
		12	x	1.75	x	1.75	=	36.75	Sqm.
		4	x	1.65	x	1.65	=	10.89	Sqm.
Tie Beam		5	x	16.08	x	0.35	=	28.14	Sqm.
		4	x	14.40	x	0.35	=	20.16	Sqm.
		4	x	1.95	x	0.35	=	2.73	Sqm.
		1	x	11.45	x	0.35	=	4.01	Sqm.
		2	x	1.95	x	0.35	=	1.37	Sqm.
Floor		1	x	15.58	x	15.40	=	239.93	Sqm.
		1	x	10.95	x	2.025	=	22.17	Sqm.
	Less for Walls	-2	x	15.58	x	0.225	=	-7.01	Sqm.
		-3	x	15.40	x	0.225	=	-10.40	Sqm.
		-1	x	3.70	x	0.225	=	-0.83	Sqm.
		-2	x	2.025	x	0.225	=	-0.91	Sqm.
						Total	=	377.42	Sqm.

@ Rs 286.37 / Sqm - - - Rs 1,08,082.00

(3) 2.1.1. Plain cement concrete works with coarse aggregate of sizes 13mm to 32 mm in foundation bed for footting, steps, walls,brick works etc. as directed and specified including dewatering if necessary, and curing complete (Shuttering works where necessary shall be measured and paid separately.)

(a) In prop.1 : 3 : 6 (1 Cement : 3 Coarse sand : 6 Coarse agg. by volume (Using mixture machine)

Column / Footing	8	x	1.95	x	1.95	x	0.075	=	2.282 Cum.
	12	x	1.75	x	1.75	x	0.075	=	2.756 Cum.
	4	x	1.65	x	1.65	x	0.075	=	0.817 Cum.
							Total	=	5.855 Cum.

@ Rs 3733.63 / Cum - - - Rs 21,860.00

(4) 18.1.1. 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 20 G annealed black wire and placing in position with proper blocks, supports chairs, spacers etc. complete (upto 1st floor level).

Quantity of Reinforcement (Tensile bars / Stirrups / transverse & shear reinforcements)

.@125 kg per Cum. of Concrete 146.54 Qtl.

@ Rs 4746.44 / Qntl - - - Rs 6,95,537.00

(5) 3.1.1 Providing form work of ordinary timber planking so as to give a rough finish including centering, shuttering, strutting and propping etc., hight of propping and centering below supporting floor to ceiling not exceeding 4.0 m and removal of the same for in - situ reinforced concrete and plain concrete work in :

3.1.1.1. Foundation , footings , bases of columns , pile cap , raft and mass concrete works etc. (i) Using 38 mm thick plank

Column	8	x	4	x	1.80	x	0.25	=	14.40	Sqm.
	12	x	4	x	1.60	x	0.25	=	19.20	Sqm.
	4	x	4	x	1.50	x	0.25	=	6.00	Sqm.
	8	x	2	x	0.30	x	1.50	=	7.20	Sqm.
	8	x	2	x	0.35	x	1.50	=	8.40	Sqm.
	12	x	2	x	0.30	x	1.50	=	10.80	Sqm.
	12	x	2	x	0.35	x	1.50	=	12.60	Sqm.
	4	x	4	x	0.30	x	1.30	=	6.24	Sqm.
							Total	=	84.84	Sqm.
@ Rs 140.84 / Sqm							-	-	-	Rs 11,949.00

3.1.1.2. Sides of tie beams, grade beams etc. at or below ground level (i) Using 38 mm thick plank

PB	5	x	2	x	0.45	x	15.78	=	71.01	Sqm.
	4	x	2	x	0.35	x	15.63	=	43.76	Sqm.
	1	x	2	x	0.35	x	11.15	=	7.81	Sqm.
	4	x	2	x	0.35	x	2.13	=	5.96	Sqm.
	1	x	2	x	0.35	x	3.65	=	2.56	Sqm.
							Total	=	131.10	Sqm.
@ Rs 191.27 / Sqm							-	-	-	Rs 25,075.00

3.1.1.3. Columns , pillars , posts & strut (a) Square, Rectangular, polygonal in plan or any shape like Tee / L etc. having plane vertical face (i) Using 38 mm thick plank

Column	20	x	2	x	0.30	x	3.65	=	43.80	Sqm.
	20	x	2	x	0.35	x	3.65	=	51.10	Sqm.
	4	x	1	x	0.95	x	3.65	=	13.87	Sqm.
							Total	=	43.80	Sqm.
@ Rs 213.73 / Sqm							-	-	-	Rs 9,361.00

3.1.1.4. Sides and soffits of beams, beam haunchings, cantilever, girders ,bressumers lintels and horizontal ties. (a) For depth not exceeding 1.0 M (i) Using 38 mm thick plank

Lintel	18	x	2	x	0.15	x	3.60	=	19.44	Sqm.
	4	x	2	x	0.15	x	6.66	=	7.99	Sqm.
	5	x	2	x	0.15	x	2.20	=	3.30	Sqm.
	5	x	2	x	0.15	x	5.76	=	8.64	Sqm.
FB	5	x	2	x	0.465	x	6.66	=	30.97	Sqm.
	5	x	2	x	0.465	x	2.20	=	10.23	Sqm.
	5	x	2	x	0.465	x	5.76	=	26.78	Sqm.
	17	x	2	x	0.235	x	3.60	=	28.76	Sqm.
	4	x	2	x	0.235	x	2.00	=	3.76	Sqm.
	1	x	2	x	0.235	x	10.40	=	4.89	Sqm.
							Total	=	144.76	Sqm.
@ Rs 163.01 / Sqm							-	-	-	Rs 23,597.00

3.1.1.5. Flat surfaces such as soffits of suspended floors, roofs, landings, cantilever slabs, chajjas , balconies and the like. (a) Floors upto 200 mm in thickness (i) Using 38mm thick plank

Slab	1	x	17.23	x	17.10	=	294.63	Sqm.		
	1	x	2.25	x	12.60	=	28.35	Sqm.		
					Total	=	322.98	Sqm.		
@ Rs 243.80 / Sqm					-	-	-	Rs 78,743.00		

3.1.1.7. Sloping or Battering surfaces such as sloped slabs etc. including folded plates. (a) Where inclination to horizontal plane doesnot exceed 30 degree requiring shuttering only on the underside (i) Using 38mm thick plank

Stair	2	x	3.60	x	1.20	=	8.64	Sqm.		
	2	x	1.20	x	2.40	=	5.76	Sqm.		
					Total	=	14.40	Sqm.		
@ Rs 282.72 / Sqm					-	-	-	Rs 4,071.00		

(6) 2.2.1 Providing & laying plain / reinforceed cement concrete works with coarse sand & 20mm down graded stone aggregate including dewatering if necessary, and curing complete but excluding cost of form work and reinforcement for reinforced cement concrete work. (form work and reinforcement will be measured and paid separately)
(I) Using mixture machine (a) In sub-structure up to plinth level

Foundation, footing, columns with base tie and plinth beam, pile cap, base slab, retaining walls, walls of septic tank, inspection pit, and the like and other works not less than 100 mm thick up to plinth level. (a) M15 or Prop. 1 : 2 : 4

Column Base	8	x	1.80	x	1.80	x	0.25	=	6.480	Cum.
	12	x	1.60	x	1.60	x	0.25	=	7.680	Cum.
	4	x	1.50	x	1.50	x	0.20	=	1.800	Cum.
	8	x	1.69			x	0.50	=	6.760	Cum.
	12	x	1.35			x	0.50	=	8.100	Cum.
	4	x	1.19			x	0.45	=	2.135	Cum.
Column	8	x	0.30	x	0.35	x	1.50	=	1.260	Cum.
	12	x	0.30	x	0.35	x	1.50	=	1.890	Cum.
	4	x	0.071			x	1.30	=	0.369	Cum.
PB	5	x	0.25	x	0.45	x	15.78	=	8.876	Cum.
	4	x	0.25	x	0.35	x	15.63	=	5.471	Cum.
	1	x	0.25	x	0.35	x	3.95	=	0.346	Cum.
	4	x	0.25	x	0.35	x	2.25	=	0.788	Cum.
	1	x	0.25	x	0.35	x	11.10	=	0.971	Cum.
							Total	=	52.926	Cum.
@ Rs 4734.15 / Cum							-	-	-	Rs 2,50,559.62

(B) Super-Structure from plinth level up to 1st floor level.

(ii) Columns, pillars, posts, struts, suspended floor, roof, landing, shelf and support, balcony, lintel, sillband, beam, girder, bressumer, cantilever, staircase (exceipt spiral staircase and landing) including preparing the top surface and finishing of nosing.

(a) M15 or Prop. 1 : 2 : 4

Column	16	x	0.30	x	0.35	x	4.20	=	7.056	Cum.
	4	x	0.30	x	0.35	x	6.60	=	2.772	Cum.
	4	x	0.071			x	4.20	=	1.193	Cum.
FB	5	x	0.25	x	0.465	x	14.62	=	8.498	Cum.
	16	x	0.25	x	0.235	x	3.60	=	3.384	Cum.
	1	x	0.25	x	0.235	x	3.65	=	0.214	Cum.
	4	x	0.25	x	0.235	x	2.00	=	0.470	Cum.
	1	x	0.25	x	0.235	x	10.40	=	0.611	Cum.
Lintel	18	x	0.15	x	0.15	x	3.60	=	1.458	Cum.
	4	x	0.15	x	0.15	x	6.66	=	0.599	Cum.
	5	x	0.15	x	0.15	x	5.76	=	0.648	Cum.
	5	x	0.15	x	0.15	x	2.20	=	0.248	Cum.
Slab	1	x	17.23	x	17.10	x	0.115	=	33.883	Cum.
	1	x	2.25	x	12.60	x	0.115	=	3.260	Cum.
Less for Stair	-1	x	2.40	x	5.96	x	0.115	=	-1.645	Cum.
Stair	2	x	3.60	x	1.20	x	0.115	=	0.994	Cum.
	2	x	1.20	x	2.40	x	0.115	=	0.662	Cum.
							Total	=	64.305	Cum.
@ Rs 4929.24 / Cum							-	-	-	Rs 3,16,974.78

(7) 4.1.4. *Brick work in cement mortar with 1st class brick including racking out joints and dewatering if necessary, and curing complete as directed in sub-structure up to plinth level. (c) In Proportion 1 : 5*

Wall	5	x	0.225	x	0.60	x	14.62	=	9.869	Cum.
	16	x	0.225	x	0.60	x	3.60	=	7.776	Cum.
	4	x	0.255	x	0.60	x	2.00	=	1.224	Cum.
	1	x	0.225	x	0.60	x	10.40	=	1.404	Cum.
Ramp	2	x	0.225	x	0.30	x	3.00	=	0.405	Cum.
Step	1	x	1.20	x	0.15	x	0.90	=	0.162	Cum.
	1	x	1.20	x	0.15	x	0.60	=	0.108	Cum.
	1	x	1.20	x	0.15	x	0.30	=	0.054	Cum.
	1	x	3.00	x	0.15	x	0.90	=	0.405	Cum.
	1	x	3.00	x	0.15	x	0.60	=	0.270	Cum.
	1	x	3.00	x	0.15	x	0.30	=	0.135	Cum.
							Total	=	21.812	Cum.
@ Rs 4423.20 / Cum							-	-	-	Rs 96,478.84

(8) 4.1.7 *112mm thick 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 (protruding M.S. Rod / Tor Steel of collumn to be embedded in cement mortar and will be measured and paid for separately .(b) In Prop. 1 : 5*

	Wall		4	x	2.72	x	6.66	=	72.46	Sqm.
			2	x	2.72	x	2.20	=	11.97	Sqm.
			5	x	2.72	x	5.76	=	78.34	Sqm.
			16	x	2.95	x	3.60	=	169.92	Sqm.
			1	x	2.75	x	3.60	=	9.90	Sqm.
			2	x	3.20	x	3.78	=	24.19	Sqm.
	Parapet		1	x	62.56	x	0.90	=	56.30	Sqm.
							Sub Total	=	423.08	Sqm.
Deduct		D=	9	x	1.00	x	2.10	=	18.90	Sqm.
		W =	14	x	1.35	x	1.20	=	22.68	Sqm.
			1	x	0.90	x	1.20	=	1.08	Sqm.
		V =	14	x	1.35	x	0.45	=	8.51	Sqm.
			1	x	0.90	x	0.45	=	0.41	Sqm.
		Opening =	2	x	1.00	x	2.10	=	4.20	Sqm.
							Sub Total	=	55.77	Sqm.
							Total	=	367.31	Sqm.
	@ Rs 499.76 / Sqm						-	-	-	Rs 1,83,566.85

(9) 6.2.1. *10 mm thick cement plaster in single coat on fair side of brick / concrete walls for interior plastering upto 1st floor level including arrises, rounded angles not exceeding 80 mm in girth and finished even and smooth including curing complete as directed. (c) In cement mortar 1 : 6*

	From Sl No.- 8							=	367.31	Sqm.
	@ Rs 76.48 / Sqm						-	-	-	Rs 28,091.87

(10) 6.2.2. *15mm thick cement plaster in single coat on rough side of single or half brick wall for interior plastering upto 1st floor level including arrises, internal rounded angles not exceeding 80 mm in girth and finished even and smooth including curing complete as directed. (c) In cement mortar 1 : 6*

	From Sl No.- 8							=	367.31	Sqm.
	@ Rs 95.10 / Sqm						-	-	-	Rs 34,931.18

(11) 9.1.2. *Providing wood work in frame (Chowkaths) of doors, windows, clerestory windows and other similar works wrought, framed and fixed in position in contact with C.C. or brick masonry wall including supplying, fitting and fixing with M.S. hold fast (40 mm x 3 mm x 250 mm) as per design embeded in cement concrete block in proportion 1 : 2 : 4 and with two coats of kiricide oiling to the timber faces in contact with C.C. and masonry as directed and specified . (a)With sal wood.*

D=	9	x	1	x	1.00	x	0.125	x	0.075	=	0.084	m^3
	9	x	2	x	2.10	x	0.125	x	0.075	=	0.354	„
									Total =		0.438	m^3
	@ Rs 55200.04 / Sqm							-	-	-	Rs 24,177.62	

(12) 9.9.2 *Providing, fitting and fixing full panelled doors / windows including oxidised M. S butt hinges (100 mm x 75 mm x 3.55 mm) with necessary screws (other fittings to be measured and paid separately). C) With 1st class Gamari wood (i) 40 mm thick*

D=	7	x	1.00	x	2.10	=	14.70	m^2
					Total =		14.70	m^2
@ Rs 2173.62 / Sqm					-	-	-	Rs 31,952.21

(13) 11.1.1 *Providing, fitting and fixing anodised aluminium windows and ventilators of standard sections without horizontal glazing bars joints mitred and welded (manufactured to relevant IS specifications)fitted with 6 mm x 3.15 mm lugs 100 mm long embedded in CC blocks 150 mm x 100 mm x 100 mm in 1 : 3 : 6 mix including providing and fixing device, locking arrangement, spring catch as required complete as specifing and driected for all levels.(Cement concrete to be measured and paid separately). a) Side hung and top hung windows and ventilators (iv) 5 mm coloured glass*

W =	14	x	1.35	x	1.20	=	22.68	m^2
	1	x	0.90	x	1.20	=	1.08	„
Partition =	1	x	4.00	x	2.90	=	11.60	„
	1	x	2.50	x	2.90	=	7.25	„
V =	14	x	1.35	x	0.45	=	8.51	„
	1	x	0.90	x	0.45	=	0.41	„
					Total =		51.52	m^2
@ Rs 4623.86 / Sqm					-	-	-	Rs 2,38,221.27

(14)10.2 *Providing fitting and fixing M.S grill of required pattern for windows / clearstory windows / openings with M.S flats at required spacing in frame all round, squre or round M.S. bar with round headed bolts and nuts or screws. II. Ornamental Grill (a) Fixed to wooden frames*

						Qnty. =	640.00	Kg	
@ Rs 80.69 / Kg						- - -		Rs	51,641.60

(15) 9.2.1 *Providing undressed wood work in roof truss, rafter, purlin, tie and the like including hoisting and fixing in position with necessary spikes , nails including M .S. straps with bolts and nuts etc. complete with kiricide oiling two coats to all timber members and two coats of anticorrosive paint to M.S. straps (M.S. flats, angle cleats and bolts and nuts required for flat, angle cleats wherever used shall be measured and paid separately). (a) With Sal wood*

Post Plate		2	x 6.40	x 0.075	x 0.10	=	0.096	m^3	
		2	x 3.80	x 0.075	x 0.10	=	0.057	„	
Rafter	2	x 3	x 7.20	x 0.075	x 0.10	=	0.324	„	
Purlin	1	x 5	x 3.80	x 0.05	x 0.075	=	0.071	„	
					Total	=	0.548	m^3	
@ Rs 39903.10 / Sqm						- - -		Rs	21,866.90

(16) 8.1.2 *Providing corrugated galvanized Iron sheet roofing of TATA SHAKTEE /SAIL including fitting and fixing necessary galvanized J or L hooks , bolts and nuts 8 mm dia with bitumen washer 25 mm dia x 3 mm thick 1nd 1.6 mm thick limpet washer complete excluding cost of roof truss , purlin etc.(Roof trusses and purlin etc. to be measured and paid seperately). (e) 0.63 mm*

1	x 8.00	x 5.80	=	46.40	m^2			
		Total	=	46.40	m^2			
@ Rs 425.09 / Sqm			- - -			Rs	19,724.18	

(17)1.3 *Earth / Sand filling in plinth in layer not more than 150 mm 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. (C) With silt (predominantly non plastic) by truck carriage including loading and unloading.*

8	x 6.82	x 3.67	x 0.60	=	120.141	m^3		
4	x 2.32	x 3.67	x 0.60	=	20.435	„		
1	x 4.50	x 2.02	x 0.60	=	5.454	„		
1	x 3.60	x 2.02	x 0.60	=	4.363	„		
1	x 2.32	x 2.02	x 0.60	=	2.812	„		
			Total	=	153.205	m^3		
@ Rs 322.75 / Cum			- - -			Rs	49,446.91	

(18) 5.1.4. *65mm thick cement concrete floor consisting of 50mm under layer of cement concrete in prop. 1 : 3 : 6 (1 cement : 3 coarse sand : 6 coarse aggregate of size 25 mm down) and 15 mm thick wearing layer in cement concrete 1 : 1 : 2 (1cement : coarse sand : 2 coarse aggregate of size 10 mm down) laid in panels and finished with a floating coat of neat cement finish (using cement slurry for boad @ 2.75 kg. per square metre of floor area) including curing etc. complete as directed.*

8	x 6.82	x 3.67	=	200.24	m^2			
4	x 2.32	x 3.67	=	34.06	„			
1	x 4.50	x 2.02	=	9.09	„			
1	x 3.60	x 2.02	=	7.27	„			
1	x 2.32	x 2.02	=	4.69	„			
		Total	=	255.35	m^2			
@ Rs 449.48 / Sqm			- - -			Rs	1,14,774.72	

(19) 26.1.2 & 26.1.3. *(26.1.2.) Pre construction anti-termite treatment in the back fill in immediate contact with the foundation structure after completion, column, wall etc. to a depth of 450 mm and width 300 mm (when required refill in 200 mm thick layers) applying the emulsion @ 5 (five) litres per square meter towards the concrete and masonary walls so as to ensure earth in contact with the structure well treated with chemical (supplying of necessary tools and accessories by the contractor) as per the direction of the Department complete. & (26.1.3.) 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.*

a) with aqeous emulsion having concentration 1 : 19 with chloropirophose solution (tricel or equivalent) and water i.e. 1%

From Sl No.- 21	=	255.35	m^2

	@ Rs 76.12 / Sqm				-	-	-	Rs	19,437.24

(20) 13.3.4. *Providing two coats 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 1.5 mm) (i) Thikness = 1.5 mm thick*

Wall		2	x	3.20	x	14.33	=	91.71	m^2
		4	x	3.20	x	6.53	=	83.58	„
		4	x	3.20	x	5.62	=	71.94	„
		6	x	3.20	x	13.75	=	264.00	„
		2	x	3.20	x	3.60	=	23.04	„
Ceiling		8	x	6.82	x	3.67	=	200.24	„
		4	x	2.32	x	3.67	=	34.06	„
		1	x	4.50	x	2.02	=	9.09	„
		1	x	3.60	x	2.02	=	7.27	„
		1	x	2.32	x	2.02	=	4.69	„
						Sub Total	=	789.62	m^2
Deduct	D=	2	x	9	x	1.00	x	2.10	=	37.80	m^2
	W =	1	x	14	x	1.35	x	1.20	=	22.68	„
		1	x	1	x	0.90	x	1.20	=	1.08	„
	V =	1	x	14	x	1.35	x	0.45	=	8.51	„
		1	x	1	x	0.90	x	0.45	=	0.41	„
							Sub Total	=	70.48	m^2
							Total	=	719.14	m^2
	@ Rs 52.20 / Sqm						-	-	-	Rs	37,539.11

(21) 13.2.2. *f) Distempering with dry distemper of approved brand and manufacture (two coats) and of required shade on new wall surface to give an even shade, over and including priming coat of white primer after thoroughly brushing the surface free from mortar droppings and other foreign matter and including preparing surface even and sand papered smooth .*

	From Above						=	719.14	m^2
	@ Rs 62.42 / Sqm						-	-	-	Rs	44,888.72

(22) 13.2.3. *(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 .*

Wall		2	x	3.20	x	14.33	=	91.71	m^2
		2	x	3.20	x	13.75	=	88.00	„
						Sub Total	=	179.71	m^2
Deduct	W =	1	x	14	x	1.35	x	1.20	=	22.68	m^2
		1	x	1	x	0.90	x	1.20	=	1.08	„
	V =	1	x	14	x	1.35	x	0.45	=	8.51	„
		1	x	1	x	0.90	x	0.45	=	0.41	„
							Sub Total	=	32.68	m^2
							Total	=	147.03	m^2
	@ Rs 32.63 / Sqm						-	-	-	Rs	4,797.59

(23) 13.2.3. *(b) Finishing wall with water proofing cement paint of approved brand and manufacture and of required shade on new wall surface (two coats) to give an even shade after thouroughly brooming the surfaces to remove all dirt and remains of loose*

	From Above						=	147.03	m^2
	@ Rs 40.83 / Sqm						-	-	-	Rs	6,003.23

(24) 13.6.5 *Painting two coats(excluding priming coat) on new wood and wood based surface with enamel paint of approved brand and manufacture (Asian paint/ Berger paint / ICI paint /J & N paint/Nerolac) to give an even shade including cleaning the surface of all dirt , dust and other foreign matter sand papering and stopping. i) Surfaces over 100mm in width / girth (a) General purpose (Asian paint / Berger paint / ICI paint / J & N paint / Nerolac)*

Chowkath	D =	9	x	1	x	1.00	x	0.275	=	2.48	m^2

		9	x	2	x	2.10	x	0.275	=	10.40 „
Door Pannell	D =	9	x	2	x	0.88	x	2.04	=	32.31 „
								Total	=	45.19 m^2
	@ Rs 45.80 / Sqm							-	-	- Rs 2,069.70

(25) 13.6.3 *Applying priming coat over new wood and based surfaces over 100mm in girth / width after and including preparing the surface by thoroughly cleaning oil, grease, dirt and other matter, sand papering and knotting . (b) With ready mixed paint, wood primer*

	From Sl No.-24								=	45.19 m^2
	@ Rs 30.91 / Sqm							-	-	- Rs 1,396.82

(26) 18.4.2. *Providing and fixing rolling shutters of approved make made of 80 mm wide M.S. laths interlocked together through their entire length and jointed together at the ends by by end -locks mounted on specially designed pipe shaft with bracket plates , guide channels and arrangements for inside and outside locking with push - pull operation complete including cost of wire, spring and hood cover for the shutters .*

	RS =	1	x	2.20	x	2.90			=	6.38 m^2
	@ Rs 2563.10 / Sqm							-	-	- Rs 16,352.58

(27) 15.2.1. *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

	(ii) 250 mm x 16 mm								=	2 Nos
	@ Rs 240.37 / nos							-	-	- Rs 480.74

(b) Tower bolts

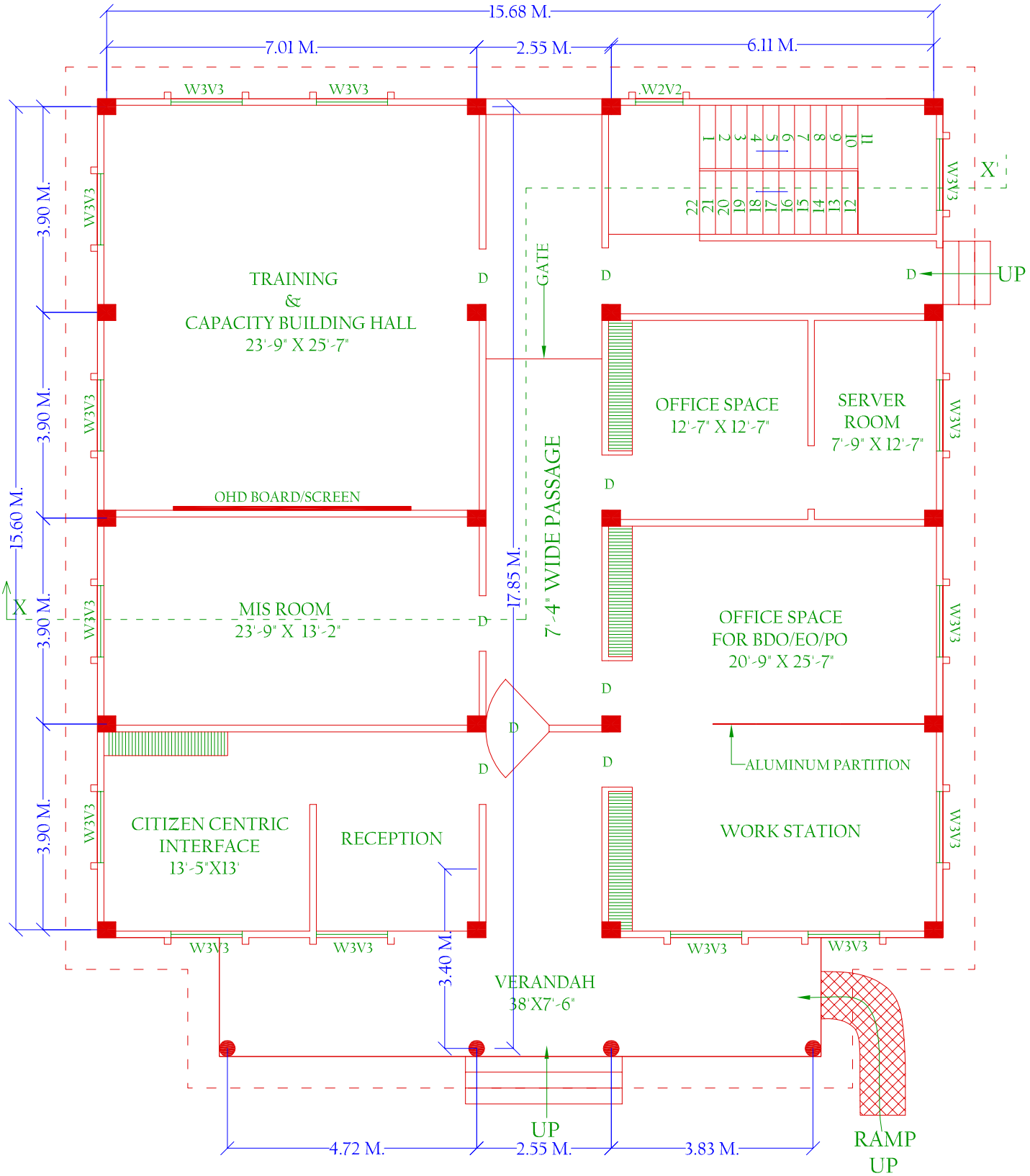
	(ii) 250mm x 12 mm								=	28 Nos
	@ Rs 119.59 / nos							-	-	- Rs 3,348.52

(c)Door handles

	(iii) 150 mm								=	14 Nos
	@ Rs 75.37 / nos							-	-	- Rs 1,055.18

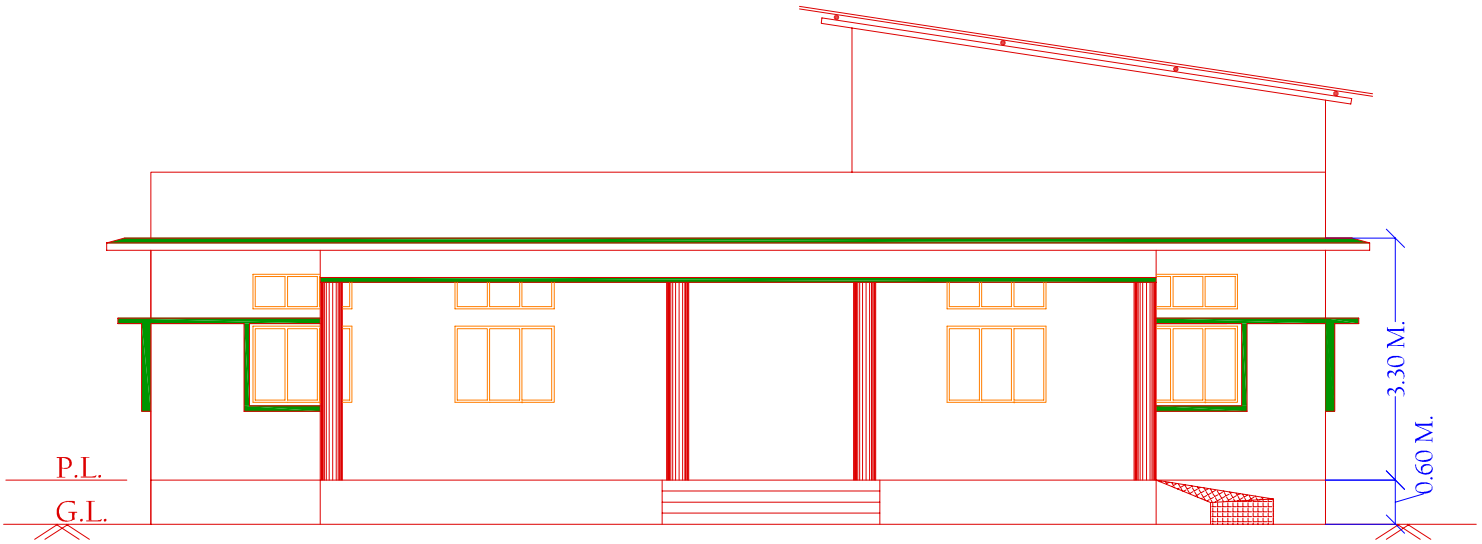
Total	=	Rs	25,89,711.98
Less 10% Contractor' Profit	=	Rs.	2,58,971.20
Cost of Civil Works	=	Rs.	23,30,740.78
Internal Electrification (2 % cost of civil work)		Rs.	46,614.82
Total =		Rs.	23,77,355.60
	Say =	Rs.	23,77,000.00

PLAN OF THE OFFICE BUILDING OF ANCHALIK PANCHAYAT

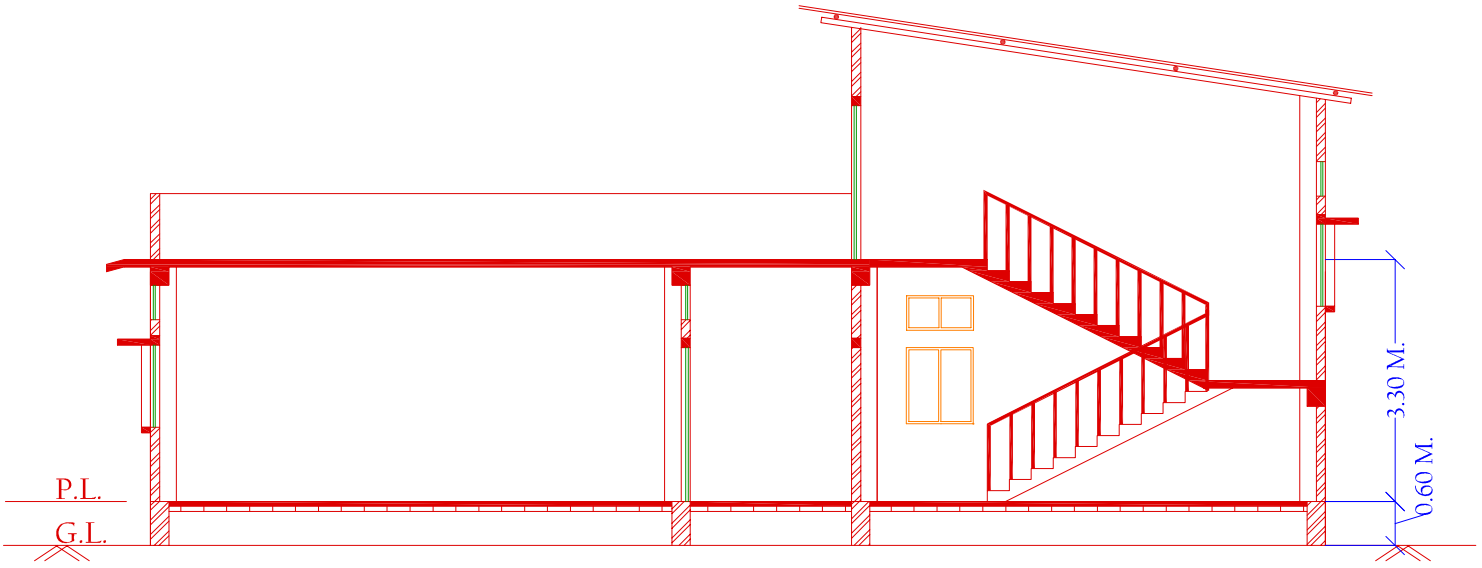


PLAN

ELEVATION AND SECTION
OF THE OFFICE BUILDING OF ANCHALIK PANCHAYAT

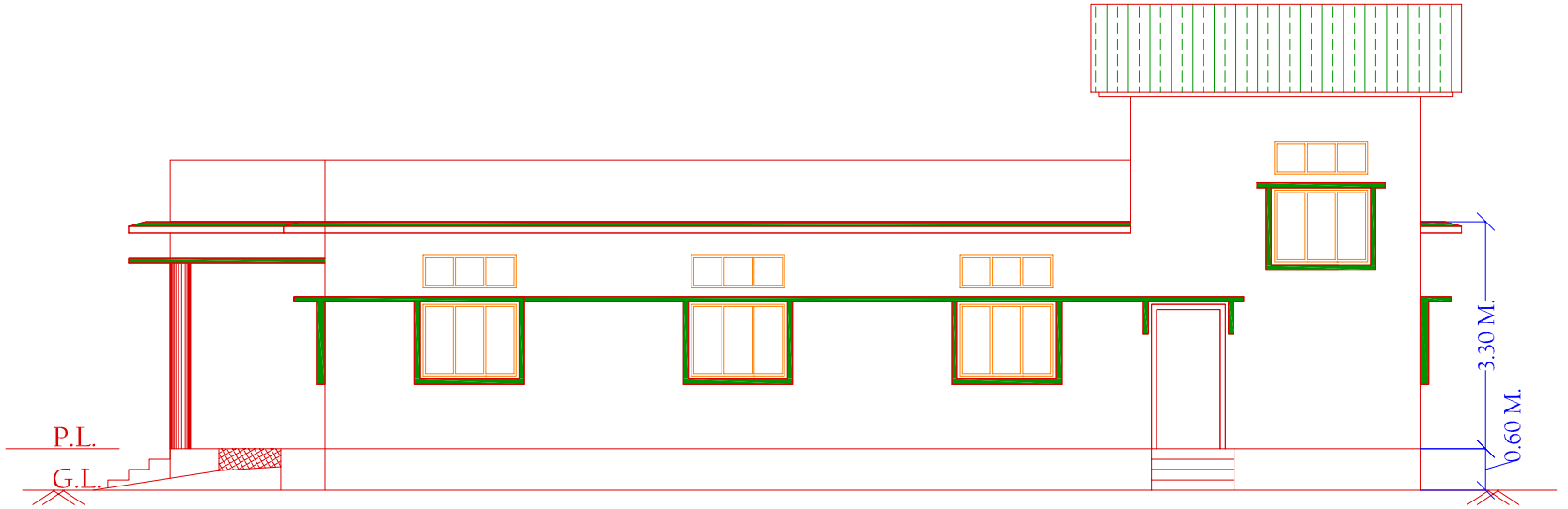


FRONT ELEVATION

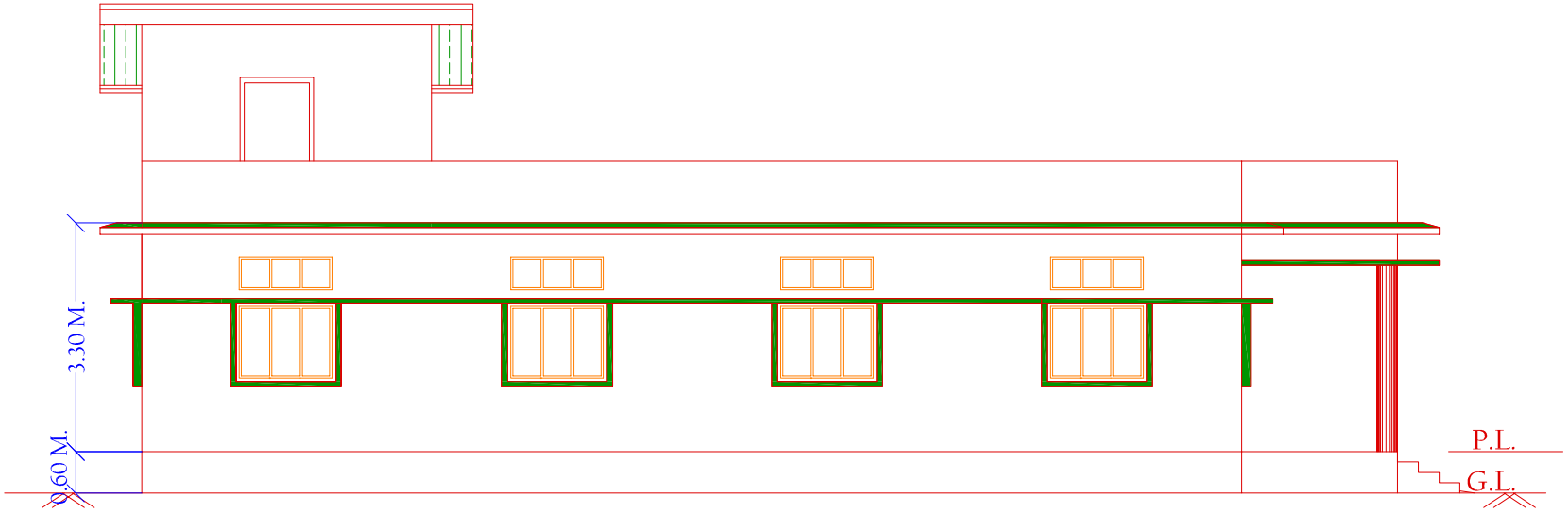


SECTION AT X-X'

SIDE ELEVATION OF THE OFFICE BUILDING OF ANCHALIK PANCHAYAT



RIGHT SIDE ELEVATION

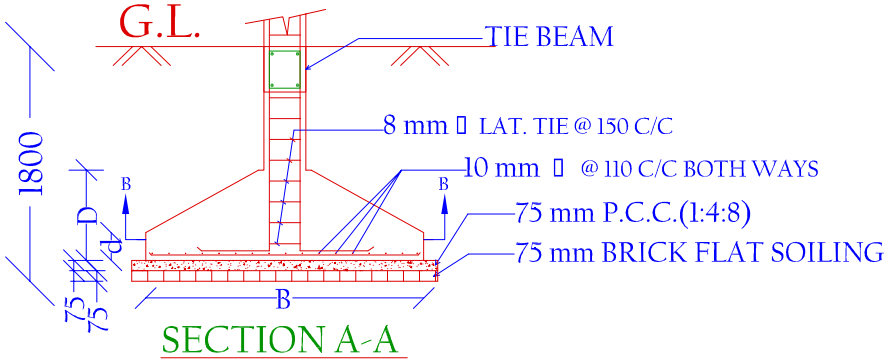


LEFT SIDE ELEVATION

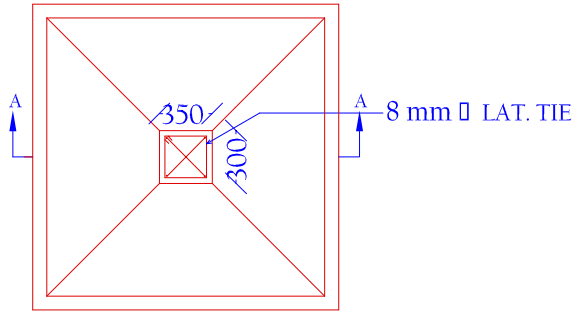
FOOTING & COLUMN DETAILS

C/S OF FOOTING & COLUMN

FOOTING					COLUMN		
No.	DIMENSION			REINFORCEMENT	COL. TYPE	MAIN STEEL	LATERAL TIE
	d	D	B				
6;7;10;11;14;15;18;19	250	500	1800 x 1800	12 mm Φ @ 110 C/C BOTH WAYS	300 x 350	8-16Φ	8mm Φ LAT. TIE @ 120 C/C
OTHER	250	450	1600 x 1600	12mm Φ @ 120 C/C BOTH WAYS	300 x 350	6-16Φ 2-12Φ	8mm Φ LAT. TIE @ 150 C/C
21;22;23;24 (ROUND COLUMN)	200	450	1500 x 1500	12mm Φ @ 150 C/C BOTH WAYS	300 Ø	5-16Φ	8mm Φ LAT. TIE @ 150 C/C



SECTION A-A

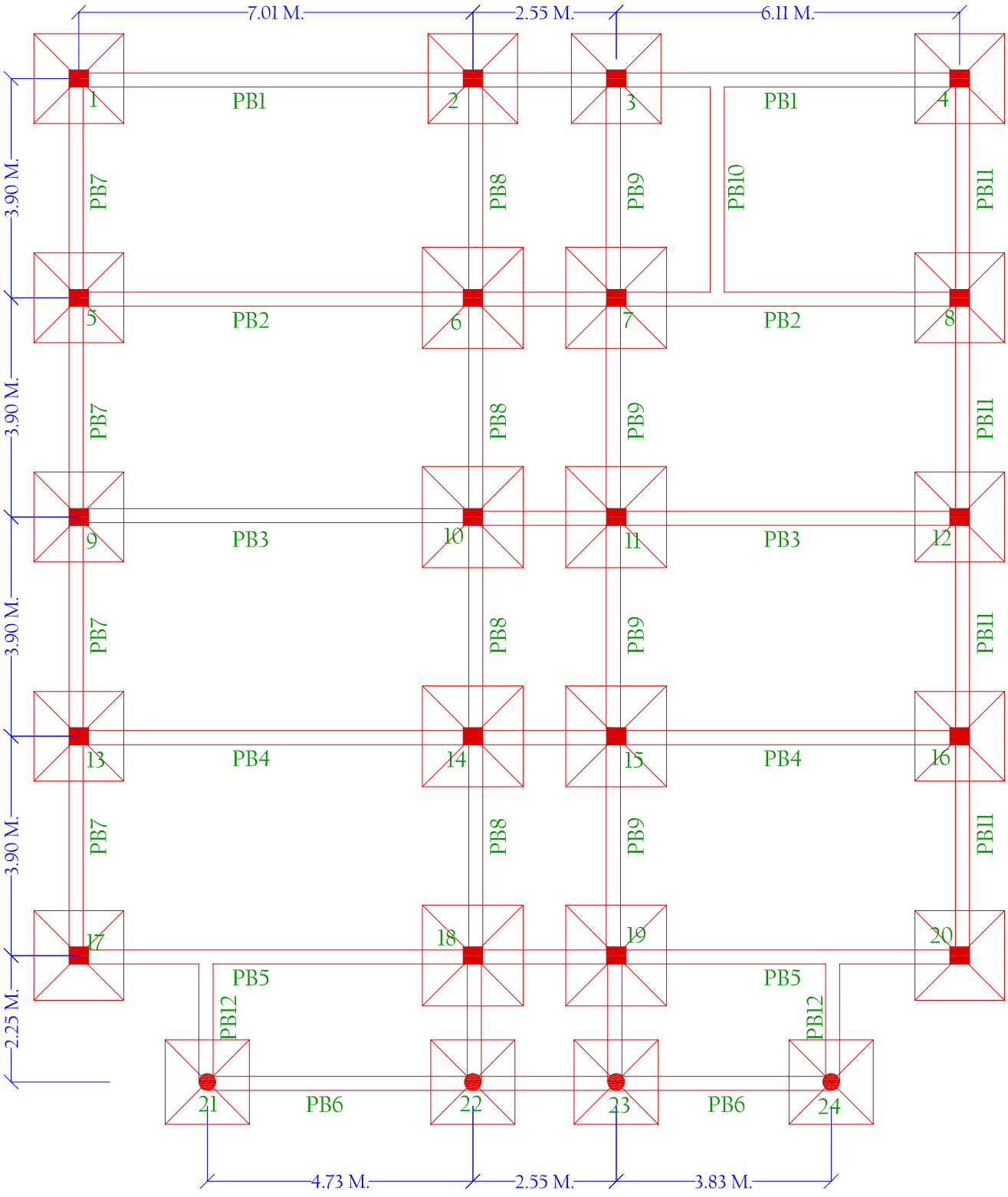


SECTION B-B

A. Rahman
Jt. Director (Tech.)
Panchayat & Rural Development : Assam
Juripar : Guwahati : Assam

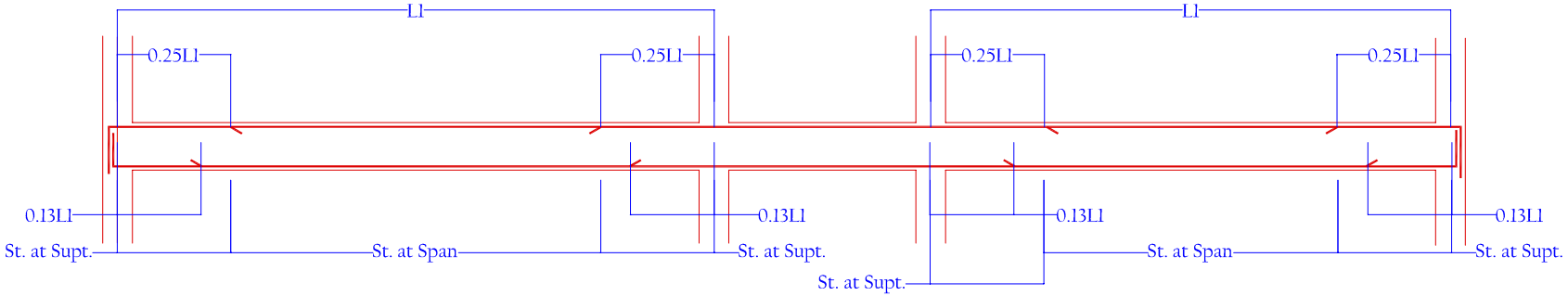
Dhrubajyoti Sarmah
Jr. Engineer
Pachim Kaliabor Development Block
Nagaon : Assam

LAYOUT PLAN OF PLINTH BEAM & FOOTING OF THE OFFICE BUILDING OF ANCHALIK PANCHAYAT



LAYOUT PLAN

DETAILS OF PLINTH BEAM
OF THE OFFICE BUILDING OF ANCHALIK PANCHAYAT



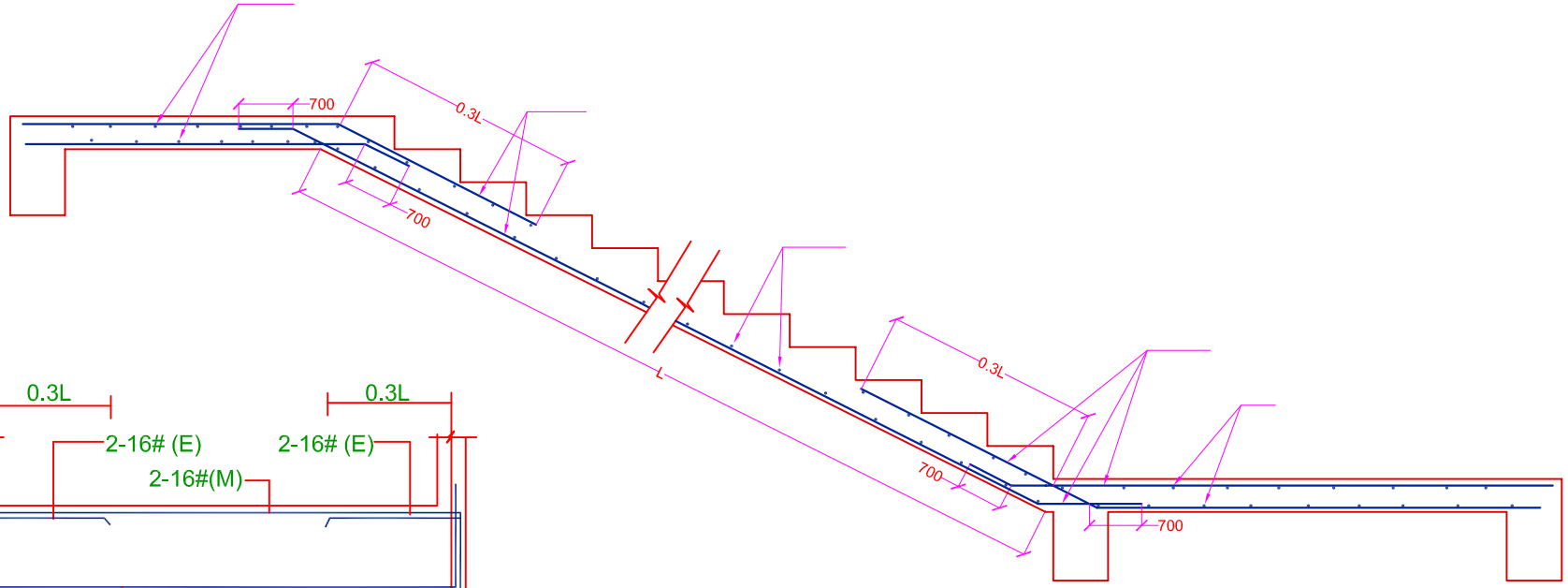
TYPICAL DETAILS FOR PLINTH BEAM

BEAM MKD.	BEAM SIZE		REINF. MAIN		REINF. EXTRA			Vt. STIRRUPS	
	B	D	BOT.	TOP	TOP END SUPP.	MIDSPAN BOTTOM	SIDE FACE	SUPT.	SPAN
PB1	250	450	2-16 Ø	2-16 Ø	2-16 Ø	2-16 Ø		8 Ø @ 100 C/C	8 Ø @ 150 C/C
PB2	250	450	2-16 Ø	2-16 Ø	2-16 Ø	2-16 Ø		8 Ø @ 100 C/C	8 Ø @ 150 C/C
PB3	250	450	2-16 Ø	2-16 Ø	2-16 Ø	2-16 Ø		8 Ø @ 100 C/C	8 Ø @ 150 C/C
PB4	250	450	2-16 Ø	2-16 Ø	2-16 Ø	2-16 Ø		8 Ø @ 100 C/C	8 Ø @ 150 C/C
PB5	250	450	2-16 Ø	2-16 Ø	2-16 Ø	2-16 Ø		8 Ø @ 100 C/C	8 Ø @ 150 C/C
PB6	250	350	2-16 Ø	2-16 Ø	2-12 Ø	2-12 Ø		8 Ø @ 100 C/C	8 Ø @ 150 C/C
PB7	250	350	2-16 Ø	2-16 Ø	2-12 Ø	2-12 Ø		8 Ø @ 100 C/C	8 Ø @ 150 C/C
PB8	250	350	2-16 Ø	2-16 Ø	2-12 Ø	2-12 Ø		8 Ø @ 100 C/C	8 Ø @ 150 C/C
PB9	250	350	2-16 Ø	2-16 Ø	2-12 Ø	2-12 Ø		8 Ø @ 100 C/C	8 Ø @ 150 C/C
PB10	250	350	3-16 Ø	3-16 Ø				8 Ø @ 100 C/C	8 Ø @ 150 C/C
PB11	250	350	2-16 Ø	2-16 Ø	2-12 Ø	2-12 Ø		8 Ø @ 100 C/C	8 Ø @ 150 C/C
PB12	250	350	2-16 Ø	2-16 Ø				8 Ø @ 100 C/C	8 Ø @ 150 C/C

A. Rahman
Jt. Director (Tech.)
Panchayat & Rural Development : Assam
Juripar : Guwahati : Assam

Dhrubajyoti Sarmah
Jr. Engineer
Pachim Kaliabor Development Block
Nagaon : Assam

DETAIL OF STAIR CASE



MID LANDING BEAM (250X400)

LEGEND:

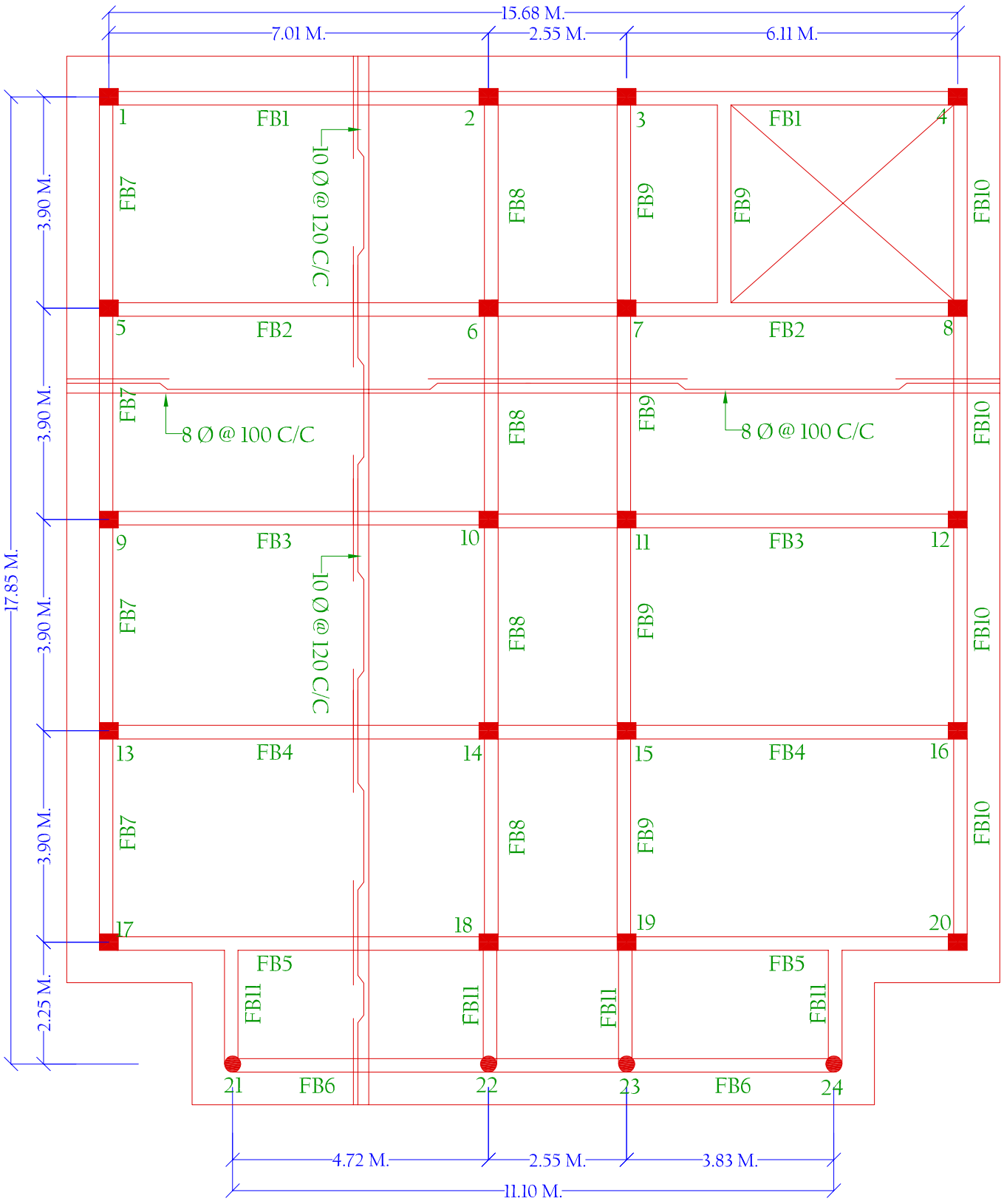
(E) DENOTES EXTRA BARS
(M) DENOTES MAIN BARS

TYPICAL FLIGHT DETAILS

A. Rahman
Jt. Director (Tech.)
Panchayat & Rural Development : Assam
Juripar : Guwahati : Assam

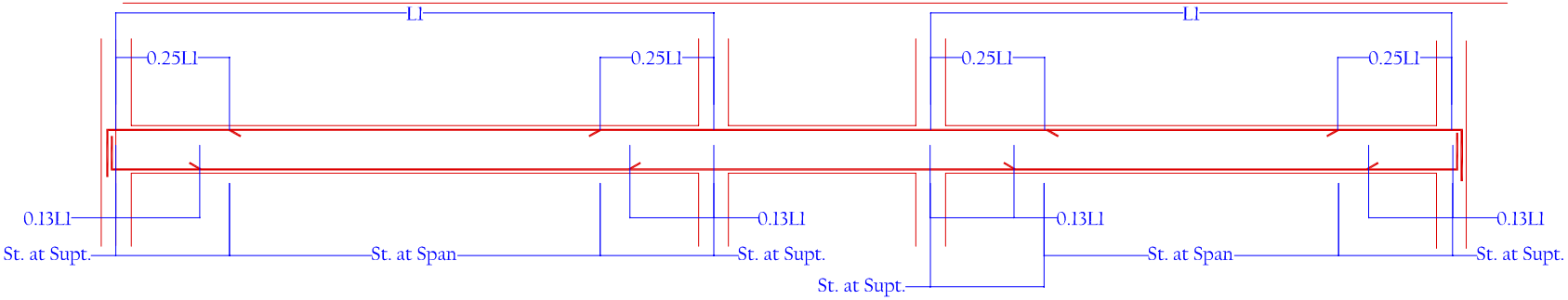
Dhrubajyoti Sarmah
Jr. Engineer
Pachim Kaliabor Development Block
Nagaon : Assam

LAYOUT PLAN OF FLOOR BEAM & SLAB OF THE OFFICE BUILDING OF ANCHALIK PANCHAYAT



LAYOUT PLAN

DETAILS OF FLOOR BEAM
OF THE OFFICE BUILDING OF ANCHALIK PANCHAYAT



TYPICAL DETAILS FOR FLOOR BEAM

BEAM MKD.	BEAM SIZE		REINF. MAIN		REINF. EXTRA			Vt. STIRRUPS	
	B	D	BOT.	TOP	TOP END SUPP.	MIDSPAN BOTTOM	SIDE FACE	SUPT.	SPAN
FB1	250	580	3-16 Ø	2-16 Ø	3-20 Ø	2-20 Ø	2-12 Ø	8 Ø @ 100 C/C	8 Ø @ 150 C/C
FB2	250	580	3-16 Ø	2-16 Ø	3-20 Ø	2-20 Ø	2-12 Ø	8 Ø @ 100 C/C	8 Ø @ 150 C/C
FB3	250	580	3-16 Ø	2-16 Ø	3-20 Ø	2-20 Ø	2-12 Ø	8 Ø @ 100 C/C	8 Ø @ 150 C/C
FB4	250	580	3-16 Ø	2-16 Ø	3-20 Ø	2-20 Ø	2-12 Ø	8 Ø @ 100 C/C	8 Ø @ 150 C/C
FB5	250	580	3-16 Ø	2-16 Ø	3-20 Ø	2-20 Ø	2-12 Ø	8 Ø @ 100 C/C	8 Ø @ 150 C/C
FB6	250	350	3-16 Ø	2-16 Ø	2-16 Ø	2-16 Ø		8 Ø @ 100 C/C	8 Ø @ 150 C/C
FB7	250	350	3-16 Ø	2-16 Ø	2-16 Ø	2-16 Ø		8 Ø @ 100 C/C	8 Ø @ 150 C/C
FB8	250	350	3-16 Ø	2-16 Ø	2-16 Ø	2-16 Ø		8 Ø @ 100 C/C	8 Ø @ 150 C/C
FB9	250	350	3-16 Ø	2-16 Ø	2-16 Ø	2-16 Ø		8 Ø @ 100 C/C	8 Ø @ 150 C/C
FB10	250	350	3-16 Ø	2-16 Ø	2-16 Ø	2-16 Ø		8 Ø @ 100 C/C	8 Ø @ 150 C/C
FB11	250	350	2-16 Ø	2-16 Ø				8 Ø @ 100 C/C	8 Ø @ 150 C/C

A. Rahman
Jt. Director (Tech.)
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Juripar : Guwahati : Assam

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Pachim Kaliabor Development Block
Nagaon : Assam

Name of work :- ***Detailed estimate for the construction of Toilet Block***

(1)1.1 *Earth work in excavation for foundation trenches of walls,retaining walls,footings of columns,steps and septic tank etc. including refiling (return filling) the quantity as necessary after completing of work, breaking clods in return filling dressing, watering and ramming etc and removal of surplus earth with all lead & lift as directed and specified in followng classification of soils including bailing out water where necessary as directed and specified.*

Column	6	x	1.20	x	1.20	x	1.50	= 12.960 m^3
Tie Beam	2	x	4.82	x	0.30	x	0.30	= 0.868 „
	3	x	2.65	x	0.30	x	0.30	= 0.716 „
Under Wall	2	x	2.60	x	0.30	x	0.30	= 0.468 „
	2	x	1.80	x	0.30	x	0.30	= 0.324 „
							Total	= 15.336 m^3

(A) Up to depth of 2.0 m below the existing G.L

(a) In Ordinary Soil:

@ Rs 64.67 / Cum - - - Rs 992.00

(2)4.1.1. *Providing brick work soiling in foundation and under floor with stone / best quality picked jhama brick, sand packed and laid to level and in panel after preparing the subgrade as directed including all labour and materials and if necessary dewatering , complete . (a) Brick on flat soling*

Col. Footing	6	x	1.20	x	1.20	=	8.64 m^2	
Tie Beam	2	x	14.40	x	0.30	=	8.64 „	
	2	x	4.82	x	0.30	=	2.89 „	
Under Wall	2	x	2.60	x	0.30	=	1.56 „	
	2	x	1.80	x	0.30	=	1.08 „	
Floor	2	x	1.50	x	1.80	=	5.40 „	
	2	x	1.50	x	1.20	=	3.60 „	
	1	x	1.00	x	2.60	=	2.60 „	
							Total = 34.41 m^2	

@ Rs 286.37 / Sqm - - - Rs 9,854.00

(3)2.1.1. *Plain cement concrete works with coarse aggregate of sizes 13mm to 32 mm in foundation bed for footting, steps, walls, brick works etc. as directed and specified including dewatering if necessary, and curing complete (Shuttering works where necessary shall be measured and paid separately.)*

(a) In prop.1:3:6 (1 Cement : 3 Coarse sand : 6 Coarse agg. by volume (Using mixture machine)

Col. Footing	6	x	1.20	x	1.20	x	0.075	=	0.648 m^3
Under Wall	2	x	2.60	x	0.30	x	0.075	=	0.117
	2	x	1.80	x	0.30	x	0.075	=	0.081
								Total =	0.648 m^3

@ Rs 3733.63 / Cum - - - Rs 2,419.00

(4)18.1.1. *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 bending to proper shapes and length as per details, supplying and binding with 20 G annealed black wire and placing in position with proper blocks, supports chairs, spacers etc. complete (upto 1st floor level).*

16mm Φ	Col^n.	6	x	4	x	5.40	= 129.60 Rm

	PB	Main	2	x	4	x	6.38	=	51.04 „
			3	x	4	x	3.98	=	47.76 „
	FB	Main	2	x	4	x	6.38	=	51.04 „
			3	x	4	x	3.98	=	47.76 „
							Total	=	327.20 Rm
12mm Φ	FB	Extra Top	2	x	2	x	1.36	=	5.44 Rm
			2	x	2	x	1.62	=	6.48 „
			3	x	2	x	1.42	=	8.52 „
							Total	=	20.44 Rm
10mm Φ	Lintel		3	x	4	x	6.10	=	73.20 Rm
			3	x	4	x	3.48	=	41.76 „
			2	x	4	x	1.85	=	14.80 „
							Total	=	129.76 Rm
8mm Φ	**Stirrups**								
	Col^{n}.		6	x	38	x	1.26	=	287.28 Rm
	PB		2	x	42	x	1.01	=	84.84 „
			3	x	21	x	1.01	=	63.63 „
	FB		2	x	42	x	1.01	=	84.84 „
			3	x	21	x	1.01	=	63.63 „
	Slab		1	x	34	x	4.08	=	138.72 „
			1	x	54	x	6.48	=	349.92 „
							Total	=	1072.86 Rm
6 mm Φ	Lintel		3	x	32	x	0.55	=	52.80 Rm
			3	x	19	x	0.55	=	31.35 „
			2	x	10	x	0.55	=	11.00 „
							Total	=	95.15 Rm

16 mm Φ :	=	516.98	Kg.
12 mm Φ :	=	18.19	„
10 mm Φ :	=	79.15	„
8 mm Φ :	=	418.42	„
Total	=	1032.74	Kg.
	=	10.33	Qntl.
6 mm Φ :	=	20.93	„
	=	0.21	Qntl.

(b)(ii) ISI approved - HYSD bar = 10.33 Qntl.

@ Rs 4746.44 / Qntl - - - Rs 49,031.00

(c) ISI approved - M.S. Rod. = 0.21 Qntl.

@ Rs 5241.78 / Qntl - - - Rs 1,101.00

(5)3.1.1 *Providing form work of ordinary timber planking so as to give a rough finish including centering, shuttering, strutting and proping etc hight of proping and centering below supporting floor to floor to ceiling not exceeding 4.0 m and removal of the same for in situ reinforced concrete and plain concrete work.*

1. Foundation , footings , bases of columns , pile cap , raft and mass concrete works etc. (i) Using 38mm thick plank

Column	6	x	4	x	1.20	x	0.25	=	7.20 m^2
	6	x	4	x	0.25	x	1.70	=	10.20 „
							Total	=	17.40 m^2
	@ Rs 157.05 / Sqm						-	-	- Rs 2,733.00

2 Sides of tie beams , plinth beams , grade beams etc. at or below plinth level (i) Using 38mm thick

PB	2	x	2	x	0.30	x	4.78	=	5.74 m^2
	3	x	2	x	0.30	x	2.63	=	4.73 „
							Total	=	10.47 m^2
	@ Rs 206.67 / Sqm						-	-	- Rs 2,164.00

3. Columns , pillars , posts & strut (i) Using 38mm thick plank

Column	6	x	4	x	0.25	x	2.65	=	15.90 m^2
							Total	=	15.90 m^2
	@ Rs 233.94 / Sqm						-	-	- Rs 3,720.00

4. Sides and soffits of beams ,beam haunching, cantilever, girders ,bressumers lintelsand

Lintel	3	x	2	x	0.15	x	2.38	=	2.14 m^2
	3	x	2	x	0.15	x	4.78	=	4.30 „
	2	x	2	x	0.15	x	1.80	=	1.08 „
FB	2	x	2	x	0.35	x	4.78	=	6.69 „
	3	x	2	x	0.35	x	2.63	=	5.52 „
							Total	=	19.73 m^2
	@ Rs 179.52 / Sqm						-	-	- Rs 3,542.00

5. Flat surfaces such as soffits of suspended floors , roofs ,landing, cantilever slabs, chajjas , balconies and the like.(i) Using 38mm thick plank

Slab	1	x	6.48	x	4.08	=	26.44 m^2		
					Total	=	26.44 m^2		
	@ Rs 259.52 / Sqm				-	-	- Rs 6,862.00		

(6) 2.2.1 *Providing & laying reinforcement cement concrete works in prop 1:2:4 (1 cement : 2 coarse sand : 4 coarse aggregate 20mm down) 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)*

(a) In Sub-Structure up to plinth level

Column Base	6	x	1.20	x	1.20	x	0.25	=	2.160 m^3	
Column	6	x	0.25	x	0.25	x	1.70	=	0.638 „	
PB	2	x	0.25	x	0.30	x	4.78	=	0.717 „	
	3	x	0.25	x	0.30	x	2.63	=	0.592 „	
							Total	=	4.107 m^3	
	@ Rs 4734.15 / Cum						-	-	-	Rs 19,443.15

(b) In Super Structure from plinth level up to 1st floor level.

Column	6	x	0.25	x	0.25	x	3.00	=	1.125 m^3

	FB	2	x	0.25	x	0.25	x	4.78	=	0.598 „
		3	x	0.25	x	0.25	x	2.63	=	0.493 „
	Lintel	3	x	0.15	x	0.15	x	2.38	=	0.161 „
		3	x	0.15	x	0.15	x	4.78	=	0.323 „
		2	x	0.15	x	0.15	x	1.80	=	0.081 „
	Slab	1	x	6.48	x	4.08	x	0.10	=	2.644 „
								Total	=	5.425 m^3
	@ Rs 4929.24 / Cum							-	-	- **Rs** **26,741.13**

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(7) 4.1.4. *Brick work in cement mortar with 1st class brick including racking out joints and dewatering if necessary, and curing complete as directed in sub-structure up to plinth level. Prop. 1:5*

	Wall	2	x	0.23	x	0.60	x	4.78	=	1.319 m^3
		2	x	0.23	x	0.60	x	2.63	=	0.726 „
		2	x	0.12	x	1.05	x	5.28	=	1.331 „
		2	x	0.12	x	1.05	x	1.80	=	0.454 „
	Step	2	x	1.20	x	0.15	x	0.90	=	0.324 „
		2	x	1.20	x	0.15	x	0.60	=	0.216 „
		2	x	1.20	x	0.15	x	0.30	=	0.108 „
								Total	=	4.478 m^3
	@ Rs 4423.20 / Cum							-	-	- **Rs** **19,807.09**

(8) 4.1.7 *112mm thick 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 (protruding M.S. Rod / Tor Steel of collumn to be embedded in cement mortar and will be measured and paid for separately .(b) In Prop. 1:5*

Wall		3	x	2.65	x	2.38	=	18.92 m^2
		1	x	2.65	x	4.78	=	12.67 „
		2	x	2.20	x	4.78	=	21.03 „
		2	x	2.20	x	1.80	=	7.92 „
						Sub Total	=	60.54 m^2
Deduct	*D=*	4	x	0.70	x	2.10	=	5.88 m^2
	Opening =	2	x	1.10	x	2.10	=	4.62 „
	V =	4	x	0.60	x	0.45	=	1.08 „
						Sub Total	=	11.58 m^2
						Total	=	48.96 m^2
@ Rs 499.76 / Sqm						-	-	- **Rs** **24,468.25**

(9) 6.2.1. *10mm thick cement plaster in single coat on fair side of brick / concrete wall for interior plastering upto 1st floor level including arrises, internal rounded angle not exceeding 80mm in girth and finished even and smooth including curing complete as directed. (c) In cement mortar 1:6*

Wall	3	x	2.90	x	2.63	=	22.88 m^2
	1	x	2.65	x	5.03	=	13.33 „
	2	x	2.20	x	5.03	=	22.13 „
	2	x	2.20	x	1.80	=	7.92 „
					Sub Total	=	66.26 m^2

Deduct	D=	4	x	0.70	x	2.10	=	5.88	m^2	
	Opening =	2	x	1.10	x	2.10	=	4.62	„	
	V =	4	x	0.60	x	0.45	=	1.08	„	
						Sub Total	=	11.58	m^2	
						Total	=	54.68	m^2	
	@ Rs 76.48 / Sqm					-	-	-	Rs	4,181.93

(10) 6.2.2. 15mm thick cement plaster in single coat on rough side of single or half brick wall for interior plastering upto 1st floor level including arrises, internal rounded angle not exceeding 80 mm in girth and finished even and smooth including curing complete as directed. (c) In cement mortar 1:6

Wall		3	x	2.65	x	3.13	=	24.88	m^2	
		1	x	2.65	x	5.53	=	14.65	„	
		2	x	2.20	x	5.03	=	22.13	„	
		2	x	2.20	x	1.80	=	7.92	„	
						Sub Total	=	69.58	m^2	
Deduct	D=	4	x	0.70	x	2.10	=	5.88	m^2	
	Opening =	2	x	1.10	x	2.10	=	4.62	„	
	V =	4	x	0.60	x	0.45	=	1.08	„	
						Sub Total	=	11.58	m^2	
						Total	=	58.00	m^2	
	@ Rs 95.10 / Sqm					-	-	-	Rs	5,515.80

(11) 12.4. . Providing , fitting and fixing PVC Door shutters of Duroplast DPS 3720 make made from extruded PVC stiles and rails made from rigid PVC multicavity hollow chamber section of size 90mm x 37mm (Tolerance +_ 1mm) . The corners of the stiles and rails shall be metred out and fixed to each other with the help of solid plastic L- shaped brackets or M.S. rectangular tubular galvanised two nos of size 200mm x 100mm and 100mm x 100mm at each corner by self tapping steel crews . PVC multicavity hollow section of size 105mm x 37mm shall be fixed in the middle by aluminium cleat and steel screws as lock rail .The section frame shall then be filled with PVC panels of approved colour of size 100mm x 20mm . The two numbers of bright steel rods of 6mm diameter shall be inserted horizontally through stiles and panels with two numbers of checknuts and washers all omplete as specified and directed at all levels . (Door fixtures and fittings to be measured and paid seperately) .

D=		4	x	0.70	x	2.10	=	5.88	m^2	
	@ Rs 1221.30 / Sqm					-	-	-	Rs	7,181.24

(12)1.3 Earth/Sand filling in plinth in layer not more than 150mm thick including necessary, carriage, watering, raming etc. complete as directed and specified . Including payment of land compensation , Forest Royalty , Sales Tax and other duties and taxes as may be necessary. (C) With river sand or silt (predominently non plastic) by truck carriage including loading and unloading.

		2	x	2.64	x	2.88	x	0.60	=	9.124 m^3
	@ Rs 322.75 / Cum					-	-	-	Rs	2,944.77

(13) 5.1.4. *65mm thick cement concrete floor consisting of 50mm under layer of cement concrete 1 : 3 : 6 (1cement : 3 coarse sand : 6 coarse agg. Of size 25mm down) and 15mm thick wearing layer in cement concrete 1 : 1 : 2 (1cement : coarse sand : 2 coarse agg. Of size 10mm down laid in panels and finished with a floating coat of neat cement finish (using cement slurry for boad @ 2.75Kg Per sq.m of floor area) including curing etc. complete as directed.*

		2 x 2.64 x 2.88	=	15.21 m^2		
@ Rs 449.48 / Sqm	-	-	-		Rs	6,836.59

(14) 26.1.4. *Pre construction anti-termite treatment with aqeous emulsion having concentration 1:19 with chloropirophose solution (tricel or equivalent) and water .This provides emulsion containing 1% chloropirophose solution (by weight) applying in the junction of wall, column with the floor before laying floor and after opration of item no.-26.1.3. above making a channel 30mmx30mm all over the wall and making rod holes @ 11 litre per square meter of vertical plinth wall surface the building so as to soak the soil with 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.*

From Sl No.- 21			=	15.21 m^2		
@ Rs 167.20 / Sqm	-	-	-		Rs	2,543.11

(15) 13.3.1.. *5.7.1.2 Providing Ceramic tiles of approved quality size , shape and thickness not less than 8 mm of Johnson brand on floors , wall , skirtings , risers and treads of steps over cement mortar 15mm 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)/ BalEndura , white cement slurry mixed with approved pigment to match shade of tiles complete at all levels as specified and directed . (Cement plastering will be measured and paid seperately). (The contractor will have to use the brand approved by the Department . Coloured pigment should be in conformity with colour of tiles and as approved and directed by the Department). (Walls mean both interior and exterior walls).*

a) Normal Range (Sizes 200 mm x 200 mm and above)

Wall		3 x 1.50 x 2.63	=	11.84 m^2		
		1 x 1.50 x 5.03	=	7.55 „		
		2 x 1.50 x 5.03	=	15.09 „		
		2 x 1.50 x 1.80	=	5.40 „		
			Sub Total =	39.88 m^2		
Deduct	D=	4 x 0.70 x 2.10	=	5.88 m^2		
	Opening =	2 x 1.10 x 2.10	=	4.62 „		
			Sub Total =	10.50 m^2		
			Total =	29.38 m^2		
@ Rs 526.37 / Sqm		-	-	-	Rs	15,464.75

(16) 13.2.3. *(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 .*

Deduct =	(54.68+58.00)-29.38		=	83.30 m^2		
			Total =	83.30 m^2		
@ Rs 32.63 / Sqm		-	-	-	Rs	2,718.08

(17) 13.2.3. *(b) Finishing wall with water proofing cement paint of approved brand and manufacture and of required shade on new wall surface (two coats) to give an even shade after thouroughly all dirt and remains of loops powered materials.*

From Above	=	83.30	m^2		
@ Rs 40.83 / Sqm	-	-	-	Rs	3,401.14

(18) 15.2. *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

(ii) 250mm x 16mm	=	4	Nos		
@ Rs 240.37 / nos	-	-	-	Rs	961.48

(b) Tower bolts

(ii) 250mm x 12mm	=	8	Nos		
@ Rs 119.59 / nos	-	-	-	Rs	956.72

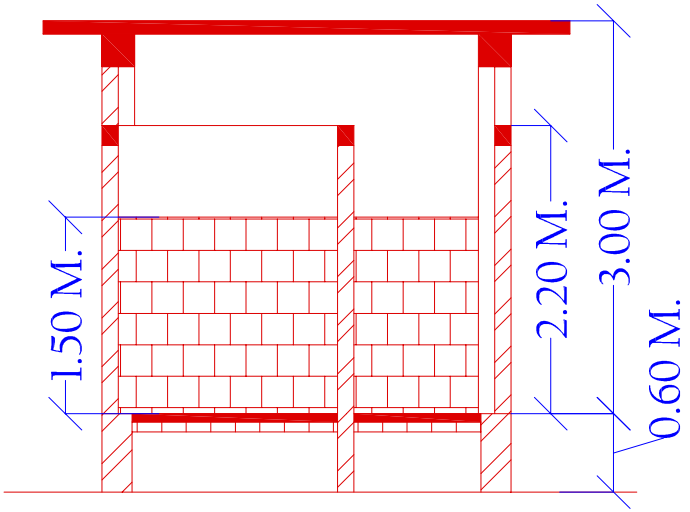
(c)Door handles

(ii) 150mm	=	8	Nos		
@ Rs 75.37 / nos	-	-	-	Rs	602.96

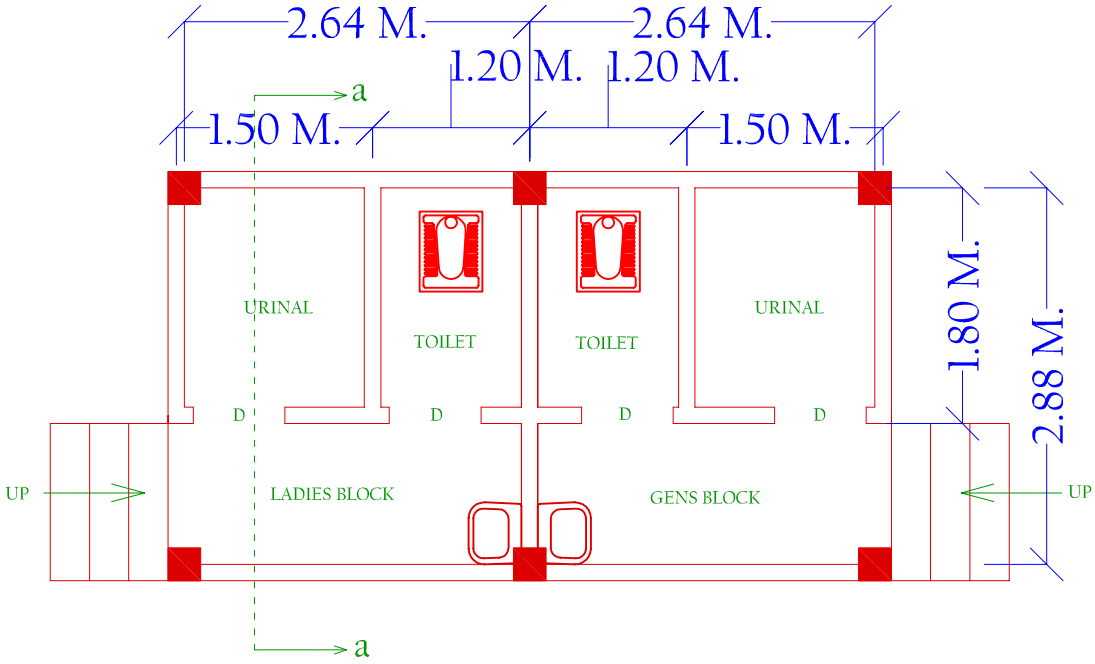
(19). *Sanitary Fittings (L/S)* Rs 19,000.00

Total	=	Rs	2,45,186.19
Less 10% Contractor' Profit	=	Rs.	24,518.62
Cost of Civil works	=	Rs.	2,20,667.57
Internal Electrification (4 % cost of civil work)		Rs.	8,826.70
Sanitation (8 % cost of civil work)		Rs.	17,653.41
Water Supply (5 % cost of civil work)		Rs.	11,033.38
Total =		Rs.	2,58,181.06
	Say =	Rs.	2,58,000.00

PLAN AND SECTION OF TOILET BLOCK



SECTION THROUGH A-A



PLAN

DETAILS

1. FOOTING OF ALL COLUMN = 1.20 X 1.20 M.
2. ALL COLUMN SIZE = 0.25 X 0.25 M.
   REINF. = 4-16 Ø AND 8 Ø STIRRUPS
3. PLINTH BEAM SIZE = 0.25 X 0.30
   REINF. = 4-16 Ø AND 8 Ø STIRRUPS
4. FLOOR BEAM SIZE = 0.25 X 0.35
   REINF. = 4-16 Ø AND 8 Ø STIRRUPS
5. LINTEL SIZE = 0.15 X 0.15
   REINF. = 4-10 Ø AND 6 Ø STIRRUPS