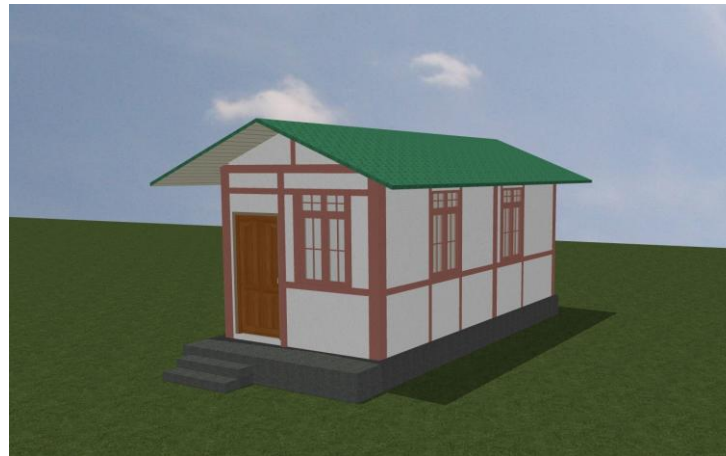


PMAY-G MODEL NO.6

ASSAM TYPE HOUSE



PROPOSED PRADHAN MANTRI AWAAS YOJANA (PMAY-G) RURAL HOUSE MODELS

MODEL NO. 6 – ASSAM TYPE HOUSE

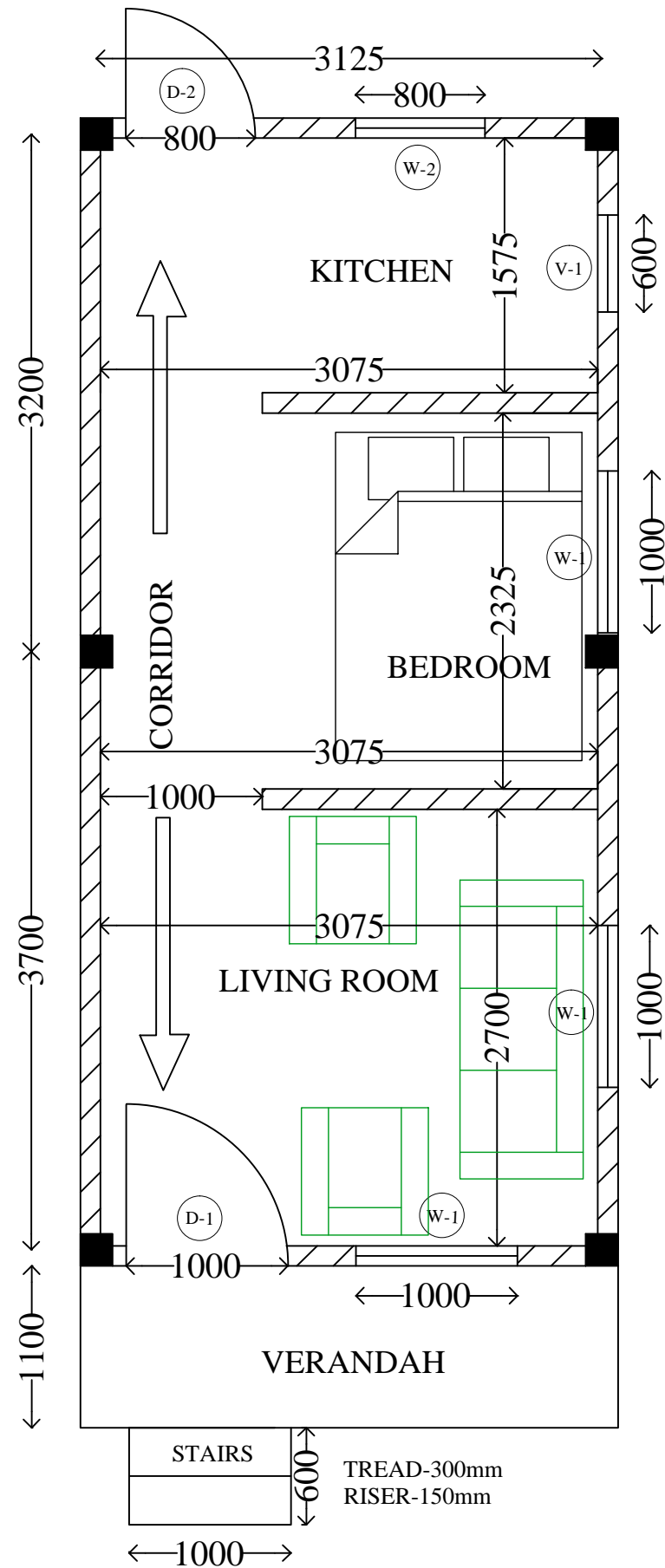
S.No.	GENERAL SPECIFICATIONS:-	DESCRIPTIONS
1.	Foundation	Isolated footings as per designed.
2.	Plinth Walls	Stone Masonry plinth wall.
3.	Columns	200mm x 200mm RCC Columns.
4.	Superstructure	RCC frame Structure as per designed.
5.	Wallings	Full Ekra walling (Assam Type).
6.	Doors	Local wood/ Timber framed full panelled doors.
7.	Windows	Local wood/ Timber frame with glass panes.
8.	Ventilators	Local wooden frame ventilators with glass panes.
9.	Flooring	Plain cement flooring over RCC bed on a back filled plinth stone masonry walls.
10.	Roof Structure	Hipped/ Gable Roof with local wooden/ Bamboo roofing members (Rafters, ties and purlins) with an angle of slope of 30 degrees.
11.	Roof Cover	CGI Sheets used as roof cover and are fastened using J-bolts.

	Description	Area (Sq.m)	Amount (In Rupees)
1.	Ground Floor	25	Rs.1,79,400.00
	Total		Rs.1,79,400.00

(Rupees One Lakh Seventy Nine Thousand And Four Hundred Only)

PREPARED BY:

**ASSISTANT ENGINEER (PMAY-G)
DIRECTORATE of C&RD
MEGHALAYA, SHILLONG.**



SCHEDULED OF DOORS & WINDOWS

All Dimensions Are in mm

Doors	WXH	Sill
D-1	1000X2100	0
D-2	800X2100	0
Window	WXH	Sill
W-1	1000X1500	1000
W-2	800X1500	1000
Ventilation	WXH	Sill
V-1	600X1200	1000

PROJECT : MODEL-NO.6

PROPOSED PMAY-G RURAL HOUSE
(ASSAM TYPE HOUSE - EKRA
WALLING WITH OPEN GABLE ROOF
CGI SHEET COVER)

CONTENTS :
PLAN LAYOUT

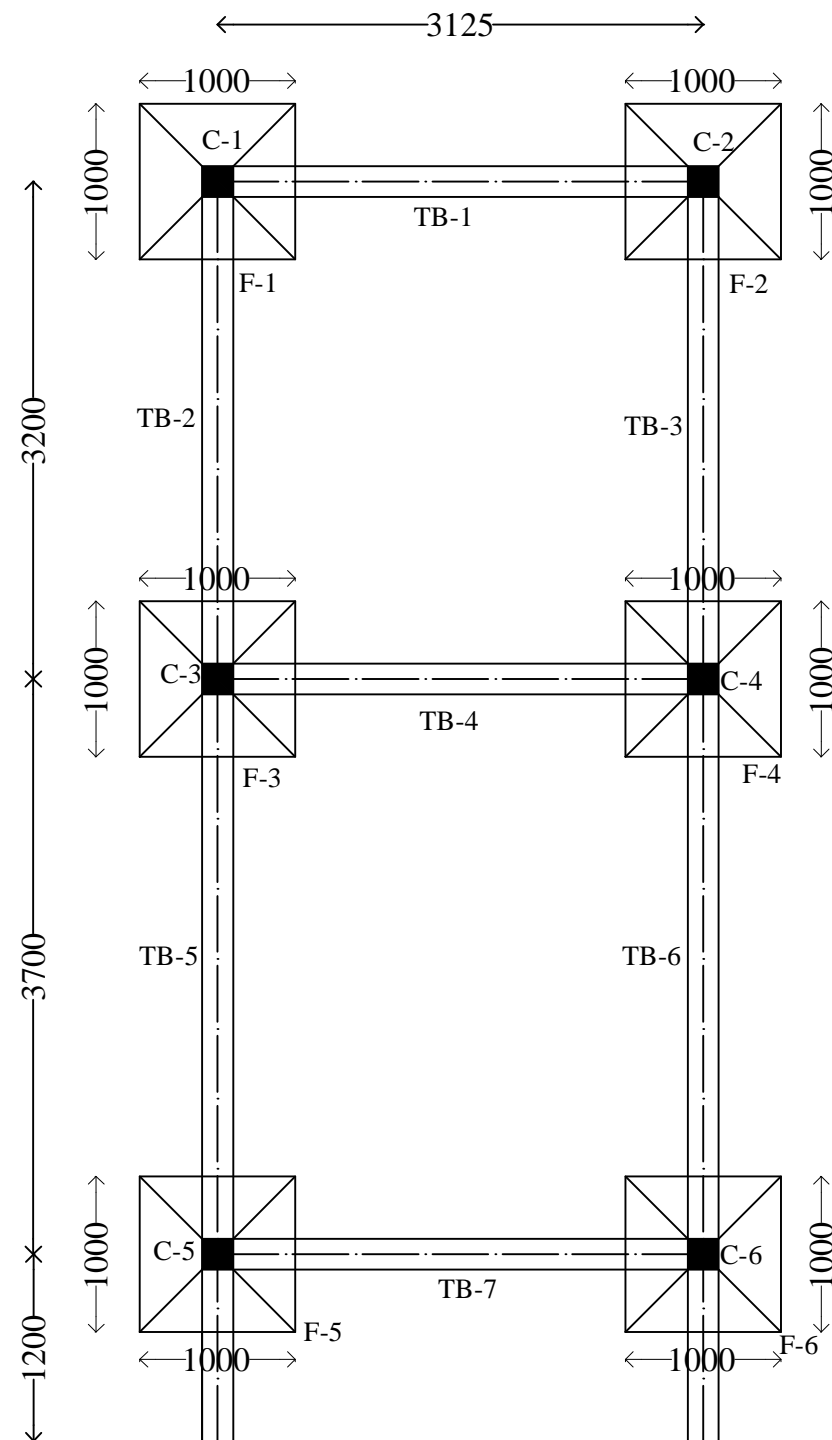
PLINTH AREA: 25 sq.m (268.75 Sq.ft.)

DRAWN BY:

Assistant Engineer (PMAY-G)
Directorate of C&RD
Meghalaya, Shillong.

GENERAL NOTES:

1. ALL THE DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE MENTIONED.
2. STRUCTURAL DRAWINGS ARE NOT TO BE SCALED.
3. BEARING CAPACITY OF SOIL= 150 KN/SQ.M. HAS BEEN ADOPTED.
4. CONCRETE MIX SHALL BE M20 i.e. 1:1.5:3
5. ROOM HEIGHT 3 METRES FROM PLINTH LEVEL.



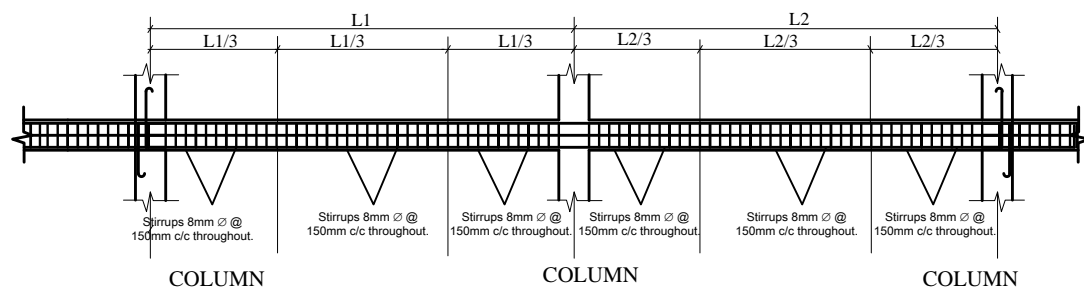
PROJECT : MODEL-NO.6
PROPOSED PMAY-G RURAL HOUSE
(ASSAM TYPE HOUSE - EKRA
WALLING WITH OPEN GABLE ROOF
CGI SHEET COVER)

CONTENTS :
FOOTING PLAN

PLINTH AREA: 25 sq.m (268.75 Sq.ft.)

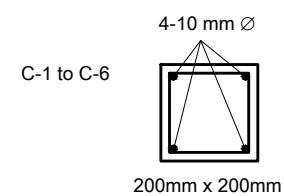
DRAWN BY:

Assistant Engineer (PMAY-G)
 Directorate of C&RD
 Meghalaya, Shillong.

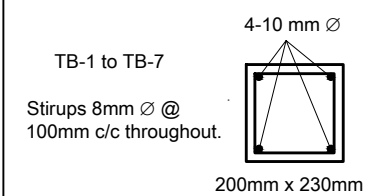


TYPICAL LONG SECTION OF PLINTH BEAM

SCHEDULED OF COLUMNS

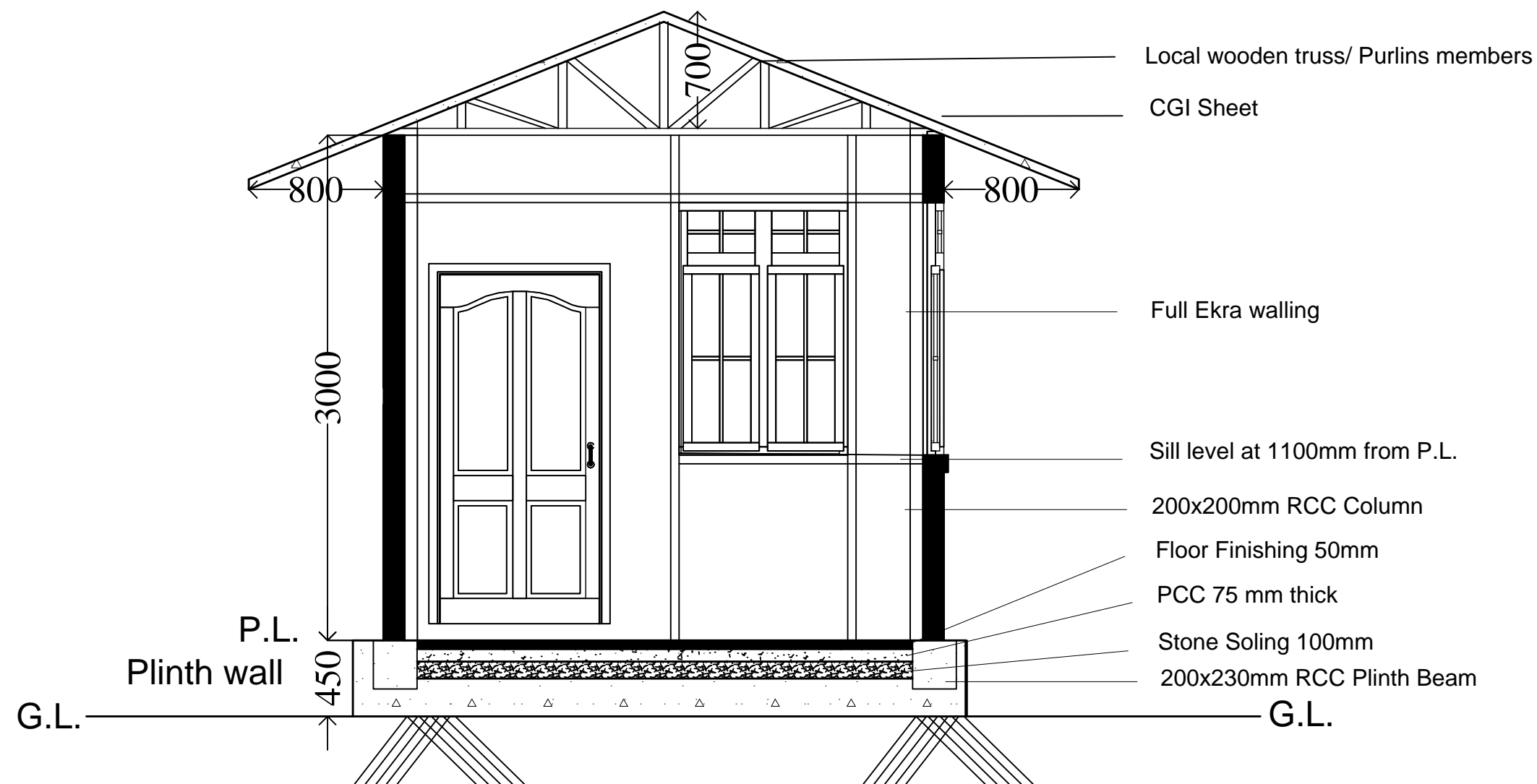


SCHEDULED OF TIE BEAMS



GENERAL NOTES:

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4. CONCRETE MIX SHALL BE M20 i.e. 1:1.5:3
5. ROOM HEIGHT 3 METRES FROM PLINTH LEVEL.



SCHEDULED OF DOORS & WINDOWS

All Dimensions Are in mm

Doors	WXH	Sill
D-1	900X2100	0
Window	WXH	Sill
W-1	1000X1500	1000
W-2	800X1500	1000
Ventilation	WXH	Sill
V-1	600X1200	1000

PROJECT : MODEL-NO.6
PROPOSED PMAY-G RURAL HOUSE
(ASSAM TYPE HOUSE - EKRA
WALLING WITH PITCH ROOF CGI
SHEET COVER)

CONTENTS :
SECTION ELEVATION

PLINTH AREA: 25 sq.m (268.75 Sq.ft.)

DRAWN BY:

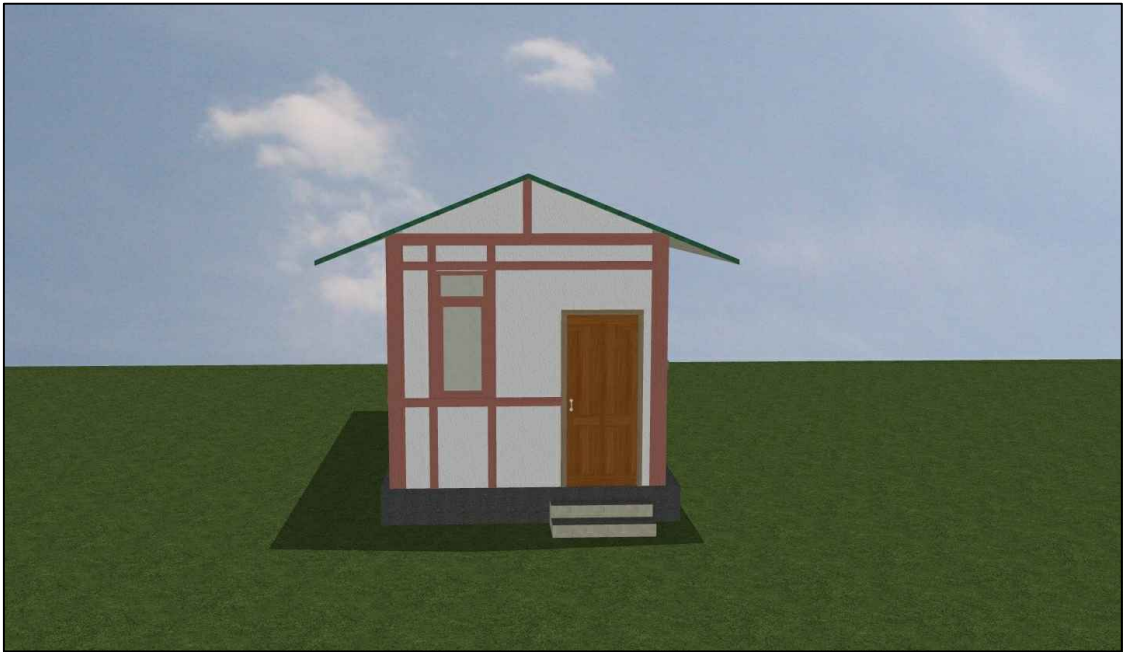
Assistant Engineer (PMAY-G)
Directorate of C&RD
Meghalaya, Shillong.

GENERAL NOTES:

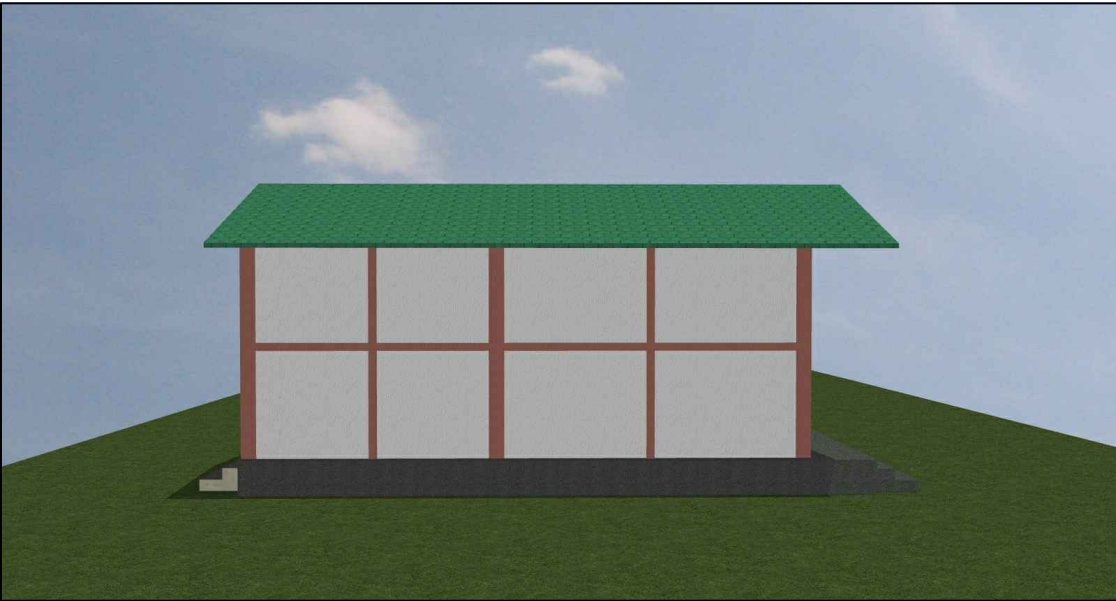
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3. BEARING CAPACITY OF SOIL= 150 KN/SQ.M. HAS BEEN ADOPTED.
4. CONCRETE MIX SHALL BE M20 i.e. 1:1.5:3
5. ROOM HEIGHT 3 METRES FROM PLINTH LEVEL.



FRONT VIEW



REAR VIEW



LEFT VIEW



RIGHT VIEW

SCHEDULED OF DOORS & WINDOWS		
All Dimensions Are in mm		
Doors	WXH	Sill
D-1	900X2100	0
Window	WXH	Sill
W-1	1000X1500	1000
W-2	800X1500	1000
Ventilation	WXH	Sill
V-1	600X1200	1000

PROJECT : MODEL-NO.6
PROPOSED PMAY-G RURAL HOUSE
(ASSAM TYPE HOUSE - EKRA
WALLING WITH OPEN GABLE ROOF
CGI SHEET COVER)

CONTENTS :
FRONT, BACK, LEFT & RIGHT
VIEWS

PLINTH AREA: 25 sq.m (268.75 Sq.ft.)

DRAWN BY:

Assistant Engineer (PMAY-G)
Directorate of C&RD
Meghalaya, Shillong.

- GENERAL NOTES:
1. ALL THE DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE MENTIONED.
 2. STRUCTURAL DRAWINGS ARE NOT TO BE SCALED.
 3. BEARING CAPACITY OF SOIL= 150 KN/SQ.M. HAS BEEN ADOPTED.
 4. CONCRETE MIX SHALL BE M20 i.e. 1:1.5:3
 5. ROOM HEIGHT 3 METRES FROM PLINTH LEVEL.

Detailed Cost Estimate of Proposed PMAY-G Rural House Model No.6
(Assam Type House with Ekra walling)
Rate As Per Govt. of Meghalaya (P.W.D) Schedule Of Rates For Building
Works 2015-2016 (Khasi Hills Rate)

<i>Item.no</i>	<i>Description of items</i>	<i>No</i>			<i>L</i>	<i>B</i>	<i>H</i>	<i>Quantity</i>	<i>Area Content</i>
1/1.1	Earthwork in excavation in foundation trenches including dressing of sides and ramming of bottom including stacking of serviceable stones and removal of excavated earth which lead upto 50m complete.....								
	a) In ordinary soil.								
	Footing	6	1	1	1.00	1.00	1.20	7.20	
	plinth wall	4	1	1	2.20	0.30	0.60	1.58	
		2	1	1	2.12	0.30	0.60	0.76	
							Total =	9.54	
						@	Rs. 179.00	Per Cum	Rs. 1,707.66
2/1.4	Earthwork in filling including necessary carriage,watering,ramming etc. complete as directed and specified								
(b)							deduct soling ,pcc,rubble stone =	6.34	
							Total =	6.80	
						@	Rs. 210.00	Per Cum	Rs. 1,428.00
3/2.1	Plain cement concrete works with coarse aggregates of sizes 13mm to 32mm in foundation bed for footing steps,walls,brick worketc.as directed and specified including dewatering if necessary,and curing complete(shuttering where necessary shall be measured and paid seperately)								
(b)	In prop 1:4:8								
	Footing	6	1	1	1.00	1.00	0.08	0.45	
							Total =	0.45	
						@	Rs. 5,688.00	Per Cum	Rs. 2,559.60
4/2.2	Plain cement concrete floor base in prop 1:3:6 laid in alternate bays as specified with coarse aggregates of size 13mm to 32mm including dewatering if necessary,and curing etc complete.								
(b)	50 mm thick In prop 1:3:6								
	Flooring	1	1	1	8.00	2.92	-	23.36	
							Total =	23.36	
						@	Rs. 354.00	Per Sqm	Rs. 8,269.44
5/2.5	Providing and laying concrete in reinforced cement concrete works using concrete mixture machine with coarse sand & 20mm down graded stone aggregate including dewatering if necessary,and curing complete but excluding formwork and reinforcement for reinforced cement concrete work(form work and reinforcement will be measured and paid seperately)								
5/2.5.1	in foundation and sub-structure including footing,columns with base,tie and plinth beam,pile cap,raft slab,base slab,rcc walls,retaining walls,wallsof septic tank,inspection pit and the likes and other works not less than 100mm thick up to plinth level.(witout using admixture,plasticiser)								
(a)	Footing	6	1	1	1.00	1.00	0.20	1.20	

Item.no	Description of items	No			L	B	H	Quantity	Area Content
	Column from top of footing upto top of PL	6	1	1	0.20	0.20	1.28	0.31	
	Plinth Beam	3	1	1	3.13	0.20	0.23	0.43	
		2	1	1	3.70	0.20	0.23	0.34	
		2	1	1	3.20	0.20	0.23	0.29	
	Cantilever Plinth Beam	2	1	1	1.20	0.20	0.23	0.11	
							Total =	2.68	
						@	Rs. 7,514.00	Per Cum	Rs. 20,137.52
6/2.5.3	in columns, pillars, posts, struts, suspended floor, roof, landing, shelf and support, balcony, lintel, sill band, beam, girder, bressumer, cantiliver, staircase etc. above plinth level upto 1st floor level (without using admixture, plasticiser)								
(a)	M15 or prop 1:2:4								
	Column from top of PL upto top of 1st floor	6	1	1	0.20	0.20	3.00	0.72	
							Total =	0.72	
						@	Rs. 7,692.00	Per Cum	Rs. 5,538.24
7/2.8	Supplying, fitting and fixing in position reinforcement bars upto 1st floor level, conforming to relevant i.s code for rcc work/R.B walling including straightening, cleaning, cutting and bending to to proper shapes and length as per details, supplying and binding with 20G annealed black wire and placing in position with proper blocks, supports, chairs, spacers etc. complete. (rates inclusive of all wastage, lappage, hooks, chairs, anchorage etc. and no measurements for the same is required)								
(a)	From primary sources like TATA/SAIL/ESSAR/JINDAL/SHYAM/RINL								
(i)	TMT corrosion resistant steel.								
	Footing jelly	6	10	2	1.00	-	0.62	74.40	
	Column from footing upto top of PL	6	4	1	2.10	-	0.62	31.25	
	Stirrups	6	17	1	0.64	-	0.39	25.46	
	plinth beam	3	4	1	3.13	-	0.62	23.29	
	Stirrups	3	25	1	0.64	-	0.39	18.72	
		2	4	1	3.70	-	0.62	18.35	
	Stirrups	2	30	1	0.64	-	0.39	14.98	
		2	4	1	3.20	-	0.62	15.87	
	Stirrups	2	26	1	0.64	-	0.39	12.98	
	Cantilever Plinth Beam	2	4	1	0.70	-	0.62	3.47	
	Stirrups	3	20	1	0.86	-	0.39	20.12	
							Total =	258.89	
	Column from PL upto top of first Floor	6	4	1	3.00	-	0.62	44.64	
	Stirrups	6	12	1	0.64	-	0.39	17.97	
							Say =	2.59	

Item.no	Description of items	No			L	B	H	Quantity	Area Content
						@	Rs. 9,191.00	Per Qtl	Rs. 23,794.58
8/2.10	Providing formwork of ordinary timber planking of thickness not less than 25mm and removal of the same for concrete members so as to give a rough finish including centering,shuttering,strutting and propping etc..for height of propping and centering of supporting floor to the soffit of the concrete member not exceeding 4.0m as specified for the following items:								
(a)	Foundation,footings,bases of columns,pile cap,raft and mass concrete works etc.								
	Footing	6	2	2	1.00	-	0.20	4.80	
							Total =	4.80	
						@	Rs. 339.00	Per Sqm	Rs. 1,627.20
2.10(b)	Plinth Beam	3	2	1	3.13	-	0.23	4.31	
		2	2	1	3.70	-	0.23	3.40	
		2	2	1	3.20	-	0.23	2.94	
	Cantilever Plinth Beam	2	2	1	1.50	-	0.23	1.38	
							Total =	12.03	
						@	Rs. 421.00	Per Sqm	Rs. 5,064.63
2.10(c)	Column from top of footing upto top of PL	6	2	2	0.20	-	1.28	6.14	
	Column from top of PL upto top of 1st floor	6	2	2	0.20	-	3.00	14.40	
							Total =	20.54	
						@	Rs. 573.00	Per Sqm	Rs. 11,769.42
9/4.1	Providing brick soling in foundation and under floor with stone/best quality picked jhama brick,sand packed and laid to level and in panel after preparing the subgrade as directed including all labour and materials and if necessary dewatering,complete..								
(c)	Stone soling of thickness 100mm								
	Footing	6	1	1	1.00	1.00	-	6.00	
	flooring	1	1	1	8.00	2.92	-	23.36	
							Total =	29.36	
						@	Rs. 378.00	Per Sqm	Rs. 11,098.08
10/4.11.	Stone masonry work in retaining wall,wing wall,abutment,foundation,steps,plinth etc....								
(b)(ii)	Plinth wall	4	1	1	2.20	0.30	0.60	1.58	
		2	1	1	2.12	0.30	0.60	0.76	
		2	1	1	0.70	0.30	0.60	0.25	
	Steps	1	2	1	0.15	1.00	0.30	0.09	
							Total =	2.68	

Item.no	Description of items	No			L	B	H	Quantity	Area Content
						@	Rs. 4,344.00	Per cum	Rs. 11,641.92
11/4.54	(b) Providing single ekra walling with lime cement plaster proportion 1:1:8 (1-cement: 1-lime: 8-sand) 12 mm thick on both sides and framed finished smooth with lime punning complete as directed.								
SoR 2013-14	Ekra walling	1	1	1	24.50	-	3	73.50	
	Deduct door & Window								
	D1	1	1	1	1.00	-	2.10	-2.10	
	D2	1	1	1	0.90	-	2.10	-1.89	
	W1	2	1	1	1.00	-	1.50	-3.00	
	W2	1	1	1	0.80	-	1.50	-1.20	
	V1	1	1	1	0.60	-	1.20	-0.72	
							Total =	64.59	
						@	Rs. 534.00	Per sqm	Rs. 34,491.06
12/8.2	Providing wood work in frame(chowkats) of doors, windows, clerestory windows etc...								
(d)	D1	1	1	1	5.20	0.13	0.08	0.05	
	D2	1	1	1	5.10	0.13	0.08	0.05	
	W1	2	1	1	5.00	0.13	0.08	0.09	
	W2	1	1	1	4.60	0.13	0.08	0.04	
	V1	1	1	1	3.60	0.13	0.08	0.03	
							Total =	0.26	
						@	Rs. 56,175.00	Per cum	Rs. 14,605.50
13/8.19	Providing, fitting and fixing full panelled doors/windows etc...								
(d)	35mm thick								
	D1	1	1	1	1.00	2.10	-	2.10	
	D2	1	1	1	0.90	2.10	-	1.89	
							Total =	3.99	
						@	Rs. 3,420.00	Per Sqm	Rs. 13,645.80
14/8.19	Providing and fixing clear sheet glass bedded in putty and fixed with/without wooden beading including necessary cutting of glass to the required size (payment for wooden bead shall be made separately)								
	(a) 3.00mm thick (Area of glass panes exceeding 400 sq.cm)								
	W1	2	1	1	1.00	-	1.50	3.00	
	W2	1	1	1	0.80	-	1.50	1.20	
	V1	1	1	1	0.60	-	1.20	0.72	
							Total =	4.92	
						@	Rs. 1,221.00	Per Sqm	Rs. 6,007.32

Item.no	Description of items	No			L	B	H	Quantity	Area Content
15*	providing bomboo post and purlin including labour for fitting etc...								
	Truss	26	1	1	1.00	1.00	-	26.00	
	Purlins	10	1	1	3.00	1.00	-	30.00	
		5	1	1	4.40	1.00	-	22.00	
							Total =	78.00	
						@	Rs. 167.00	Per nos.	Rs. 13,026.00
16/7.3	providing corrugated galvanised iron sheet etc....								
(a)		1	1	1	8.16	3.70	-	30.19	
							Total =	30.19	
						@	Rs. 817.00	Per Sqm	Rs. 24,665.23
								Total =	Rs. 2,11,077.20
					Deduct 15% contractor profit =				Rs. 1,79,415.62
								Say =	Rs. 1,79,400.00
(Rupees One Lakh Seventy Nine Thousand And Four Hundred Only)									

PREPARED BY:

ASSISTANT ENGINEER (PMAY-G)
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