प्रधान मंत्री
आवास योजना–ग्रामीण
Pradhan Mantri Awaas Yojana-Gramin

PMAY-G HOUSE MODEL NO.8
(HALF BRICK & HALF BAMBOO MAT WALL)

ABSTRACT

Proposed Construction of PMAY-G Rural House Model No.8 (Half Brick & Half bamboo-mat wall)

Sl.No.	GENERAL SPECIFICATIONS:-	DESCRIPTION
1.	Safe Bearing Capacity	The Safe Bearing Capacity considered is 150 KN/sq.m,
2.	Foundation	Isolated / Combined RCC isolated footings.
3.	Superstructure	RCC Frame Structure with Roof Truss as per design.
4.	Walls	12.5cm thick Half wall - 1st Class Brick / Mud Blocks / Hollow Block / Stone Block/ AAC Blocks etc upto 900mm height and upper portion with half bamboo mat wall fixed in timber frames.
5.	Doors	Full panelled 2nd Class local wooden doors.
6.	Windows / Ventilators	2nd Class Timber frame with glass panes / Steel Frames Windows / Ventilators with MS Grills & glass panes.
7.	Floor/ Room Height	255cms (2.55 metres) from Plinth level upto FF level.
8.	Flooring	25mm thick C.C. flooring.
9.	Roof Truss & Roof Cover	Tubular 2nd Class/treated Timber Frame Truss as per design with CGI sheet used as roof cover fastened with J-bolts.
10.	Exterior/Interior Finishing	Exterior/Interior finishings with acrylic washable distemper of approved shade for columns, brick walls, lintels etc. Doors & windows painted with synthetic enamel paint of approved shade.

PMAY-G House Model	Area (in sq.m)	Amount (in Rs) [As per Local Market Rate]	Amount (in Rs) [As per PWD-Buildings SOR]
Model No.8	29.6	Rs.1,63,300.00	Rs.2,11,300.00

Prepared by :

ASSISTANT ENGINEER (PMAY-G)
DIRECTORATE OF COMMUNITY & RURAL DEVELOPMENT,
MEGHALAYA, SHILLONG.

PMAY-G RURAL HOUSE MODEL NO.8
(Tentative Cost-Estimate as per Local Market Rate)

Sl.No.	Items /Materials	Nos.	Quantity	Unit	Rate	Amount
1	**Stone Soling (100mm thick)**	**-**	**4.20**	**cum**	₹ 2,390.00	**₹ 10,038.00**
2	**PCC 1:3:6 (50mm thick)**	**-**	**2.10**	**cum**		
(i)	Cement		6.00	bags	₹ 420.00	**₹ 2,520.00**
(ii)	Coarse sand		0.63	cum	₹ 1,200.00	**₹ 756.00**
(iii)	Stone Aggregates		1.26	cum	₹ 1,300.00	**₹ 1,638.00**
3	**RCC works 1:2:4 (substructure)**	**-**	**3.08**	**cum**		
(i)	Cement		6.00	bags	₹ 420.00	**₹ 2,520.00**
(ii)	Coarse sand		0.88	cum	₹ 1,200.00	**₹ 1,056.00**
(iii)	Stone Aggregates		1.76	cum	₹ 1,300.00	**₹ 2,288.00**
4	**RCC works 1:2:4 (superstructure)**	**-**	**0.72**	**cum**		
(i)	Cement		2.96	bags	₹ 420.00	**₹ 1,243.20**
(ii)	Coarse sand		0.20	cum	₹ 1,200.00	**₹ 240.00**
(iii)	Stone Aggregates		0.41	cum	₹ 1,300.00	**₹ 534.30**
5	**Reinforcement bars**					
(i)	#10mm dia	-	1.35	quintal	₹ 5,500.00	**₹ 7,425.00**
(ii)	#6mm dia	-	0.89	quintal	₹ 5,500.00	**₹ 4,895.00**
6	Formwork/Planks (25mm)	-	-	L/s	₹ 4,000.00	**₹ 4,000.00**
7	**Stone Masonry (1:6) Boulders**	**-**	**2.34**	**cum**	₹ 2,390.00	**₹ 5,592.60**
(i)	Cement		2.88	bags	₹ 420.00	**₹ 1,209.60**
(ii)	Coarse sand		0.60	cum	₹ 1,200.00	**₹ 720.00**
8	**Brickwork (1:6)**	**-**	**26.27**	**sqm**		
(i)	Brick		1882	nos.	₹ 9.00	**₹ 16,938.00**
(ii)	Cement		2.91	bags	₹ 420.00	**₹ 1,222.20**
(iii)	Coarse sand		0.60	cum	₹ 1,200.00	**₹ 720.00**
9	Bamboo Mat Wall	-	22.48	sqm	₹ 150.00	**₹ 3,372.00**
10	**25mm Topping for Flooring (1:2:4)**	**-**	**0.809**	**cum**		
(i)	Cement		3.32	bags	₹ 420.00	**₹ 1,394.40**

(ii)	Coarse sand		0.231	cum	₹ 1,200.00	**₹ 277.20**
(iii)	Stone Aggregates		0.462	cum	₹ 1,300.00	**₹ 600.60**
11	**10mm Thick Plaster (1:6)**	-	**0.613**	**cum**		
(i)	Cement		2.52	bags	₹ 420.00	**₹ 1,058.40**
(ii)	Hill sand		0.525	cum	₹ 800.00	**₹ 420.00**
12	Distempering/Painting	1	6	litres	₹ 160.00	**₹ 960.00**
13	Woodwork in doors/windows (chowkhat)	1	0.18	cum	₹ 15,000.00	**₹ 2,700.00**
14	**Doors & window panels**					
(i)	Door & Window Panels	-	-	L/s	₹ 10,000.00	**₹ 10,000.00**
15	Woodworks in Roofings/Wall panels	1	0.62	cum	₹ 15,000.00	**₹ 9,300.00**
16	**CGI Sheet Roof**					
(i)	Roofs	-	44.76	sqm	₹ 328.00	**₹ 14,681.28**
(ii)	Ridging	-	-	-	-	
17	Miscellaneous items	-	-	L/s	₹ 5,000.00	**₹ 5,000.00**
					Material Component (A) Total =	**₹ 1,15,319.78**
18	**Labour Cost**	Assuming the work to be completed within 30 working days.				
(i)	Unskilled	1	30	Mandays	₹ 300.00	**₹ 9,000.00**
(ii)	Semi-Skilled	2	30	Mandays	₹ 400.00	**₹ 24,000.00**
(iii)	Skilled	1	30	Mandays	₹ 500.00	**₹ 15,000.00**
					Labour Component (B) Total =	**₹ 48,000.00**

Grand Total (A+B) = ₹ 1,63,319.78

Say = ₹ 1,63,300.00

(Rupees One Lakh Sixty Three Thousand And Three Hundred Only)

Notes: 1) The above rates are tentative and subjected to vary from one place to another depending upon the local market rate.

2) Transportation & carriage charges may also differ depending upon the distance and topography of the site.

3) Detailed Measurements of the drawings/plans are to be followed as per the dimensions/measurements mentioned in the PWD SOR detailed estimate.

PREPARED BY:

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MEGHALAYA, SHILLONG.

Detailed Estimate for Construction of PMAY-G Rural House Model No.8
Rate as per Govt. of Meghalaya P.W.D (Building Works) Schedule of Rates 2015-16 (Khasi Hills Region Rate)

Sl.No / Item.no	*Description of items*	*No*			*L*	*B*	*H*	*Quantity*	Area Content
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	8	1	1	0.65	0.65	0.65	2.20	
	Verandah	3	1	1	0.50	0.50	0.50	0.38	
	Plinth wall (X-axis)	4	1	1	2.20	0.30	0.30	0.79	
		2	1	1	1.60	0.30	0.30	0.29	
	Y-axis	4	1	1	2.40	0.30	0.30	0.86	
							Total =	*4.52*	
							@ Rs. 179.00	Per Cum	Rs. 809.08
2/4.1	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	8	1	1	0.65	0.65	-	3.38	
	Verandah	3	1	1	0.50	0.50	-	0.75	
	Plinth wall (X-axis)	4	1	1	2.20	0.30	-	2.64	
		2	1	1	1.60	0.30	-	0.96	
	Y-axis	4	1	1	2.40	0.30	-	2.88	
	Flooring	1	1	1	7.97	3.17	-	25.26	
	Verandah	1	1	1	5.17	1.20	-	6.20	
							Total =	*42.07*	
							@ Rs. 378.00	*Per Sqm*	Rs. 15,902.46
3/2.2	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								
	Footing	8	1	1	0.65	0.65	-	3.38	
	Verandah	3	1	1	0.50	0.50	-	0.75	
	Plinth wall (X-axis)	4	1	1	2.20	0.30	-	2.64	
		2	1	1	1.60	0.30	-	0.96	
	Y-axis	4	1	1	2.40	0.30	-	2.88	
	Flooring	1	1	1	7.97	3.17	-	25.26	
	Verandah	1	1	1	5.17	1.20	-	6.20	
							Total =	*42.07*	
							@ Rs. 354.00	Per Sqm	Rs. 14,892.78
4/2.5	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								
4/2.5.1	in foundation and sub-structure including footing,columns with base,tie and plinth beam...								
(a)	M15 or Prop. 1:2:4 (for non-structural works)								
	Footing	8	1	1	0.60	0.60	0.30	0.86	
		8	1	1	$\frac{(0.6 \times 0.6)+(0.60 \times 0.60)}{2}$		0.20	0.58	
		3	1	1	0.50	0.50	0.30	0.23	

Sl.No / Item.no	Description of items	No			L	B	H	Quantity	Area Content
		3	1	1	$\frac{(0.5 \times 0.5)+(0.60 \times 0.60)}{2}$		0.20	0.18	
	Column from top of footing upto PL	8	1	1	0.18	0.18	0.90	0.22	
		4	1	1	0.13	0.13	0.80	0.05	
	Plinth Beam	4	1	1	2.80	0.18	0.20	0.39	
		2	1	1	2.20	0.18	0.20	0.15	
		4	1	1	3.00	0.18	0.20	0.42	
							Total =	*3.08*	
							@ Rs. 7,514.00	*Per Cum*	Rs. 23,135.61
5/2.5.3	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 lvl	8	1	1	0.18	0.18	2.55	0.62	
		3	1	1	0.13	0.13	2.20	0.10	
							Total =	*0.72*	
							@ Rs. 7,692.00	*Per Cum*	Rs. 5,538.24
6/2.8	Supplying,fitting and fixing in position reinforcement bars upto 1st floor level, conforming to relevent 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)								
(b)	Other ISI approved TMT reinforcement bar (of SAI/ BISCON/ XTECH/ THERMAX make or equivalent)								
	Footing jalli (#6mm)	8	4	2	0.60	-	0.22	8.45	
	Column from footing upto PL (#10mm)	8	4	1	0.90	-	0.61	17.57	
	Stirrups (#6mm)	8	7	1	0.64	-	0.22	7.88	
	Verandah Col (#6mm)	3	4	1	0.80	-	0.61	5.86	
	Stirrups (#6mm)	3	6	1	0.24	-	0.22	0.95	
	Plinth beam (#10mm)	4	4	1	2.80	-	0.61	27.33	
	Stirrups (#6mm)	4	19	1	0.86	-	0.22	14.38	
	(#10mm)	2	4	1	2.20	-	0.61	10.74	
	Stirrups (#6mm)	2	15	1	0.86	-	0.22	5.68	
	(#10mm)	4	4	1	3.00	-	0.61	29.28	
	Stirrups (#6mm)	4	20	1	0.86	-	0.22	15.14	
	Column from top of PL upto top of 1st floor (#10mm)	8	4	1	2.55	-	0.61	49.78	
	Stirrups (#6mm)	8	20	1	0.64	-	0.22	22.53	
	Verandah Column (#6mm)	3	4	1	2.20	-	0.22	5.81	
	Stirrups (#6mm)	3	18	1	0.24	-	0.22	2.85	
							Total =	*224.23*	
							Say =	*2.24*	
							@ Rs. 8,438.00	*Per Qtl*	Rs. 18,920.53
7/2.10	Providing formwork of ordinary timber planking of thickness not less than 25mm								
2.10 (a)	Foundation,footings,bases of columns,pile cap,raft and mass concrete works etc.								
	Footing	8	2	2	0.65	-	0.18	3.64	

Sl.No / Item.no	Description of items	No			L	B		H	Quantity	Area Content
		3	2	2	0.50	-		0.13	0.75	
								Total =	*4.39*	
							@	Rs. 339.00	*Per Sqm*	Rs. 1,488.21
2.10 (b)	Plinth Beam	4	2	1	2.80	-		0.20	4.48	
		2	2	1	2.40	-		0.20	1.92	
		4	2	1	3.00	-		0.20	4.80	
								Total =	*11.20*	
							@	Rs. 421.00	*Per Sqm*	Rs. 4,715.20
2.10 (c) (ii)	Column from top of footing upto top of PL	8	2	2	0.18	-		0.90	5.04	
		3	2	2	0.13	-		0.80	1.20	
	Column from top of PL upto top of 1st floor	8	2	2	0.18	-		2.55	14.28	
		3	2	2	0.13	-		2.20	3.30	
								Total =	*23.82*	
							@	Rs. 568.00	*Per Sqm*	Rs. 13,529.76
8/4.11.	Stone masonry work in retaining wall,wing wall,abutment,foundation,steps,plinth etc....									
(a)	Random Rubble Masonry									
(ii)	In Super-structure above Plinth Level									
	Plinth wall	4	1	1	2.40	0.30		0.25	0.72	
		2	1	1	1.60	0.30		0.25	0.24	
		4	1	1	2.40	0.30		0.25	0.72	
		3	1	1	0.83	0.30		0.25	0.19	
		1	1	1	1.60	0.30		0.25	0.12	
		1	1	1	2.20	0.30		0.25	0.17	
	Stairs	2	1	1	2.00	0.30		0.15	0.18	
								Total =	*2.34*	
							@	Rs. 4,189.00	*Per cum*	Rs. 9,802.26
9/4.6	Providing Brick wall in cement mortar 1:6 etc.....									
(a)	Half Brick (~112 mm) thick 1st class brick nogged wall									
(iv)	In proportion 1:6 (1 cement : 6 sand)									
	Wall	2	1	1	2.00	-		0.90	*3.60*	
		4	1	1	2.62	-		0.90	*9.43*	
		2	1	1	2.82	-		0.90	*5.08*	
		2	1	1	1.90	-		2.55	*9.69*	
	Deduct doors till 0.9m portion									
	D1	1	1	1	0.90	-		*0.90*	*-0.81*	
	D2	1	1	1	0.80	-		*0.90*	*-0.72*	
								Total =	*26.27*	
							@	Rs. 825.00	*Per sqm*	Rs. 21,671.10
10/25.1	Spilt bamboo diagonally woven wall tied with necessary bamboo kamis on both sides									
	Bamboo Mat Wall	2	1	1	2.00	-		1.40	*5.60*	
		4	1	1	2.62	-		1.50	*15.72*	
		2	1	1	2.82	-		1.45	*8.18*	
	Deduct door (till remaning 1.1m portion & windows									

Sl.No / Item.no	Description of items	No			L	B	H	Quantity	Area Content
	D1	1	1	1	0.90	-	*1.10*	*-0.99*	
	D2	2	1	1	0.80	-	*1.10*	*-1.76*	
	W1	5	1	1	0.80	-	*1.00*	*-4.00*	
	V1	2	1	1	0.45	-	*0.30*	*-0.27*	
							Total =	*22.48*	
							@ Rs. 350.00	*Per sqm*	Rs. 7,867.30
11/8.1	Providing dressed wood work in post, walls, battens, post plate bressumers etc. including supplying and fixing with spikes, nails, bolt and nuts of 12mm dia(M.S) and required length etc.complete with kiricide oiling two coats to faces in contact with C.C or masonry…								
(d)	White pine								
	Lintel & Sill Band	2	2	1	2.00	0.10	0.05	0.04	
		4	2	1	2.62	0.10	0.05	0.10	
		2	2	1	2.82	0.10	0.05	0.06	
	Wall posts	8	1	1	1.40	0.08	0.05	0.04	
		3	1	1	1.50	0.08	0.05	0.02	
		4	1	1	1.45	0.08	0.05	0.02	
							Total =	*0.28*	
							@ Rs. 56,179.00	*Per cum*	Rs. 15,730.12
12/3.2	25mm thick cement concrete topping 1:2:4 (1 cement: 2 coarse sand: 4 coarse aggregate of 12 mm nominal size) etc…								
	Flooring	1	1	1	7.97	3.17	-	25.26	
	Verandah	1	1	1	5.17	1.20	-	6.20	
	Stairs	1	1	1	2.00	0.15	-	0.30	
		1	1	1	2.00	0.30	-	0.60	
							Total =	*32.36*	
							@ Rs. 322.00	Per Sqm	Rs. 10,419.92
13/5.1	10mm thick cement plaster etc…								
(d)	In cement mortar 1:6								
	Walls (both sides)	2	1	1	26.27	_	-	52.54	
	Columns	8	2	0.2	2.55	_	-	7.14	
		3	2	0.1	2.20	_	-	1.65	
							Total =	*61.33*	
							@ Rs. 171.00	Per Sqm	Rs. 10,487.43
14/15.23	Distempering two coats with oil bound distemper of approved brand…..								
	Quantity same as Item no. 13/5.1						-	61.33	
							Total =	*61.33*	
							@ Rs. 80.00	Per Sqm	Rs. 4,906.40
15/8.2	Providing wood work in frame (chowkats) of doors,windows,clerestory windows etc…								
(d)	White pine								
	D1	3	1	1	4.90	0.10	0.05	0.07	
	D2	1	1	1	4.80	0.10	0.05	0.02	
	W1	5	1	1	3.60	0.08	0.05	0.07	
	V1	3	1	1	1.50	0.08	0.05	0.02	
							Total =	*0.18*	
							@ Rs. 56,175.00	*Per cum*	Rs. 10,111.50

Sl.No / Item.no	Description of items	No			L	B	H	Quantity	Area Content
16/8.18	Providing,fitting and fixing full panelled doors/windows etc…								
(d)	With White Pinewood								
(iii)	30mm thick								
	D1	1	1	1	0.90	2.00	-	1.80	
	D2	1	1	1	0.80	2.00	-	1.60	
	W1	5	1	1	0.80	1.00	-	4.00	
	V1	2	1	1	0.45	0.30	-	0.27	
							Total =	*7.67*	
							@ Rs. 2,981.00	*Per Sqm*	Rs. 22,864.27
17/15.63	Painting two coats (excluding priming coat) on new wood and wood based ….								
(a) (ii)	Surfaces over 100mm in width or girth. High gloss (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac).								
	D1 (chowkats)	2	1	2	0.90	-	0.35	1.26	
	D1 (Full panel)	1	1	2	0.90	-	2.00	3.60	
	D2	1	1	2	0.80	-	2.00	3.20	
	W1	5	1	2	0.80	-	1.00	8.00	
	V1	3	1	2	0.45	-	0.30	0.81	
							Total =	*16.87*	
							@ Rs. 145.00	Per Sqm	Rs. 2,446.15
18/8.3	Providing undressed woodwork in roof truss, rafter, purlin, tie and the like including hoisting etc…								
(d)	With White pinewood/2nd class treated timber								
	Purlins/Battens	5	1	1	8.87	0.05	0.05	0.11	
		9	1	1	4.07	0.05	0.10	0.18	
	Purlins (Verandah)	3	1	1	5.77	0.04	0.05	0.03	
		6	1	1	1.50	0.04	0.05	0.02	
							Total =	*0.34*	
							@ Rs. 42,263.00	*Per cum*	Rs. 14,369.42
19/7.3	Providing corrugated galvanised iron sheet etc….								
(a)	0.45mm Thick								
	Main Roof	1	1	1	8.87	4.07	-	36.10	
	Verandah	1	1	1	5.77	1.50	-	8.66	
							Total =	*44.76*	
							@ Rs. 817.00	Per Sqm	Rs. 36,568.92
								Total =	Rs. 2,66,176.66
								(A) Deduct 15% Contractor's Profit & 14.5% VAT (15% + 14.5% = 29.5%) =	Rs. 1,87,654.55
	Considering breakup of 70% material components & 30% labour wages on (A)								
								(B) Therefore, cost of 70% material component of **(A)** =	Rs. 1,31,358.18
								(C) and, cost of 30% labour wages component of **(A)** =	Rs. 56,296.36
								(D) Adding 18% GST on **(B)** only =	Rs. 23,644.47
								(E) Grand Total (B+C+D) =	Rs. 2,11,299.02
								Say =	Rs. 2,11,300.00

(Rupees Two Lakhs Eleven Thousand And Three Hundred Only)

PREPARED BY:

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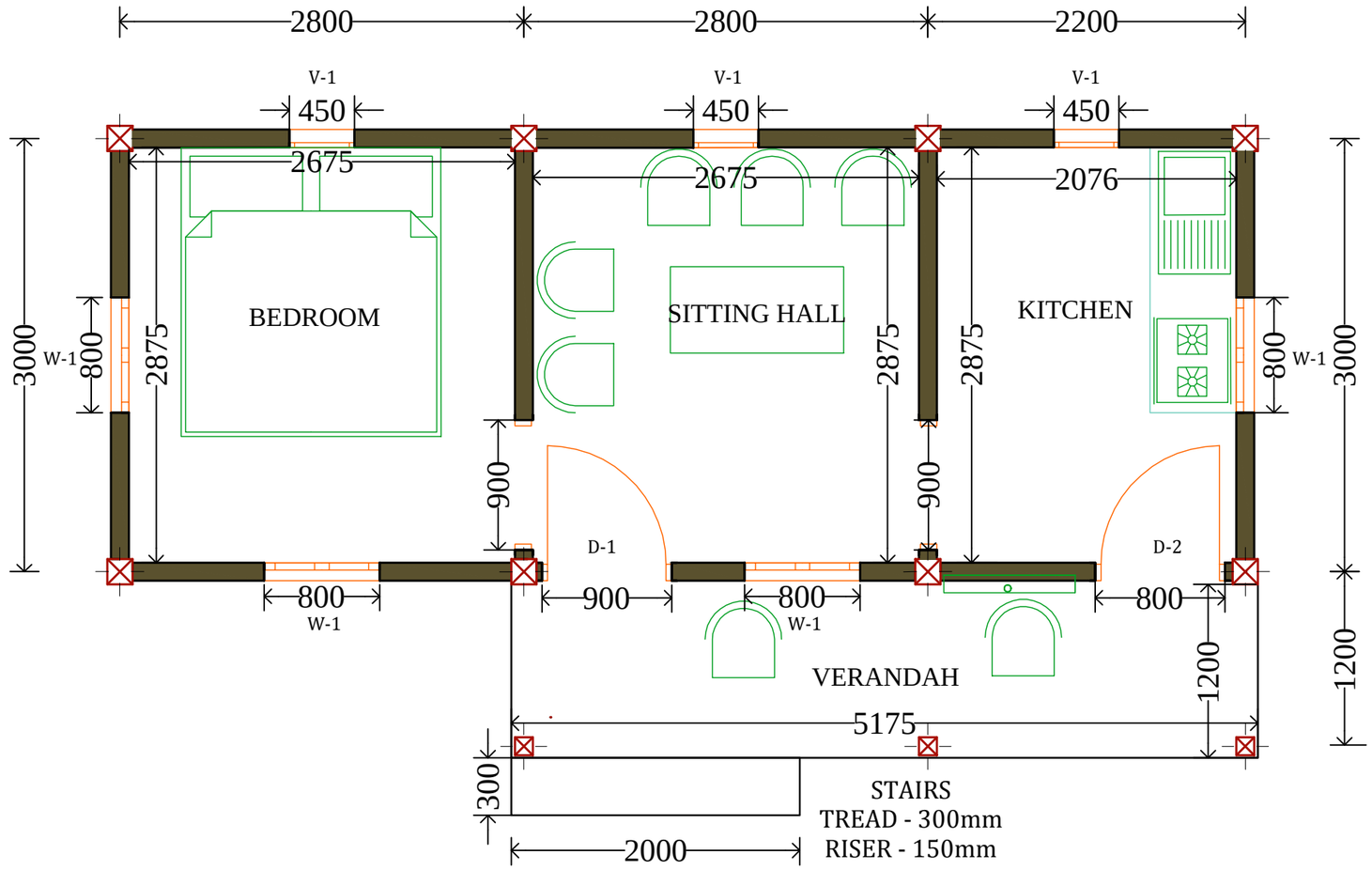
DETAILED DRAWINGS
OF
PMAY-G RURAL HOUSE MODEL NO.8
HALF BRICK & HALF BAMBOO MAT WALL
(APPLICABLE IN LESS CYCLONE AFFECTED REGIONS)



SCHEDULE OF ALL OPENINGS

All Dimensions are in mm

SCHEDULE OF DOORS

DOOR	W x H	SILL LEVEL
D-1	900 x 2000	100
D-2	800 x 2000	100

SCHEDULE OF WINDOWS

WINDOW	W x H	SILL LEVEL
W-1	800 x 1000	1000
W-2	-	-

SCHEDULE OF VENTILATORS

VENTILATOR	W x H	SILL LEVEL
V-1	450 x 300	2100
V-2	-	-

DRAWN BY:

ASSISTANT ENGINEER (PMAY-G)
DIRECTORATE OF COMMUNITY & RURAL DEVELOPMENT,
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 AT 2.5 - 2.7 METRES FROM PLINTH LEVEL UPTO CEILING HEIGHT.

PROJECT TITLE :

PMAY-G RURAL HOUSE MODEL NO.8
HALF BRICK WALL & HALF BAMBOO MAT WALL
(APPLICABLE IN LESS CYCLONE REGIONS)

DRAWING NO.1

CONTENTS :

FLOOR PLAN

PLINTH AREA:

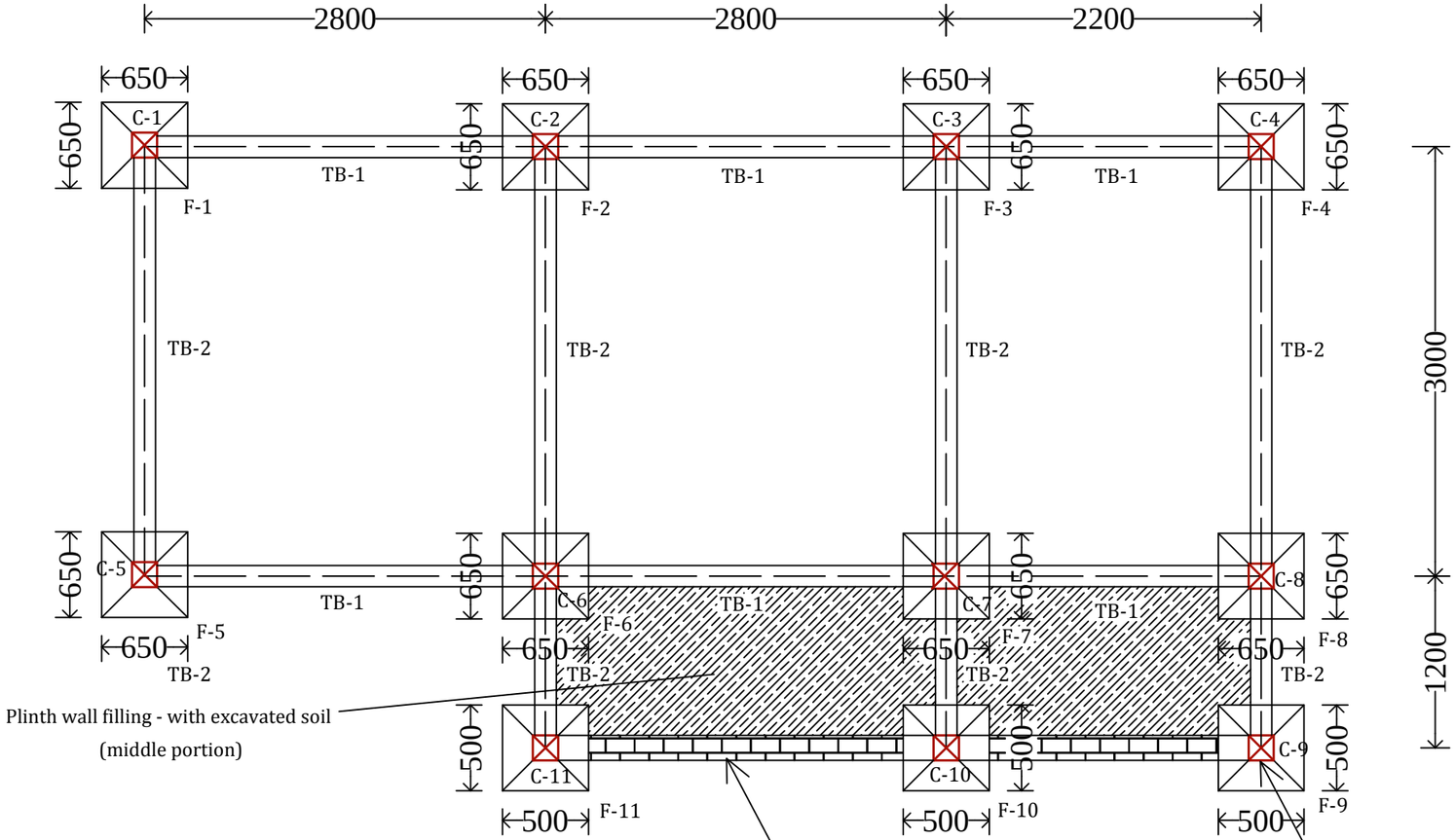
CARPET AREA - 23.4 sq.m
VERANDAH - 6.2 sq.m

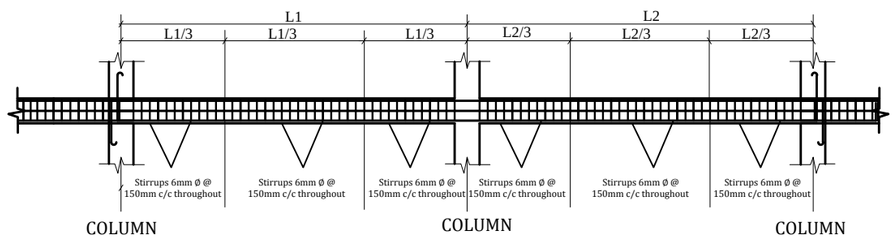
TOTAL - 29.6 sq.m (318.2 sq.ft.)

DESIGNED BY:

DC&RD

OFFICE OF THE DIRECTORATE OF
COMMUNITY & RURAL DEVELOPMENT,
MEGHALAYA, SHILLONG.

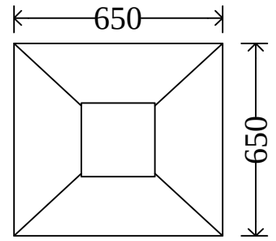




TYPICAL LONG SECTION OF PLINTH BEAM

SCHEDULED OF FOOTINGS

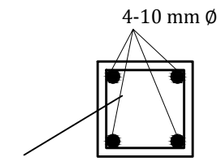
F-1 to F-8



Size - 650mm x 650mm

SCHEDULED OF COLUMNS

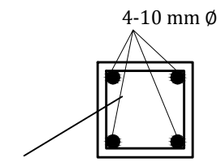
C-1 to C-8



Size - 150mm x 150mm

SCHEDULED OF TIE BEAMS

TB1 & TB2



Size - 150mm x 175mm

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 AT 2.5 - 2.7 METRES FROM PLINTH LEVEL UPTO CEILING HEIGHT.

PROJECT TITLE :

PMAY-G RURAL HOUSE MODEL NO.8
HALF BRICK WALL & HALF BAMBOO MAT WALL
(APPLICABLE IN LESS CYCLONE REGIONS)

DRAWING NO.2

CONTENTS :

FOOTING LAYOUT PLAN WITH
TIE BEAM & COLUMN DETAILS

PLINTH AREA:

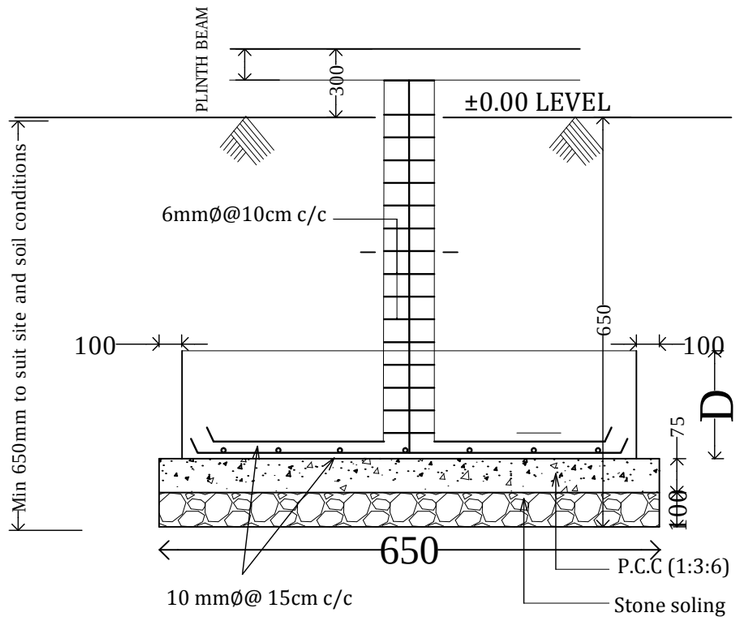
CARPET AREA - 25.2 sq.m
VERANDAH - 10.28 sq.m

TOTAL - 35.48 sq.m (381 sq.ft.)

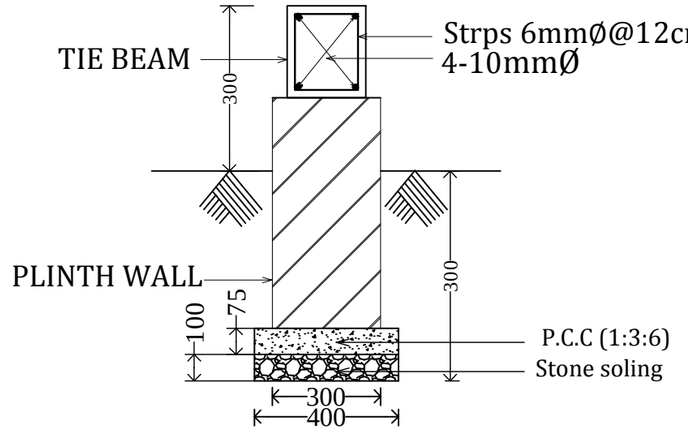
DESIGNED BY:

DC&RD

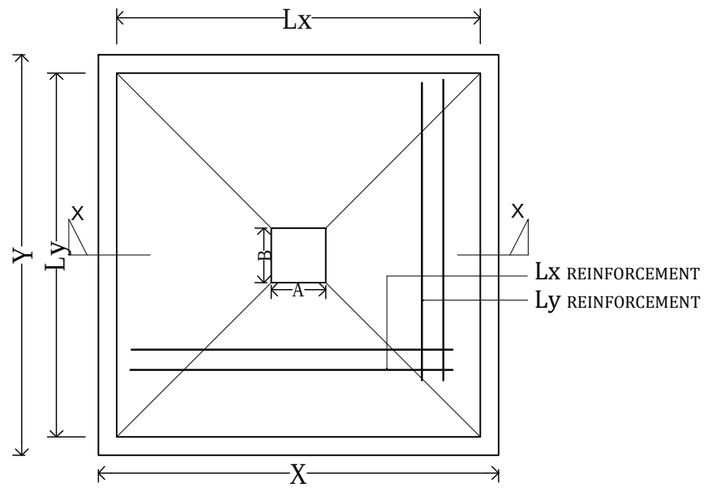
OFFICE OF THE DIRECTORATE OF
COMMUNITY & RURAL DEVELOPMENT,
MEGHALAYA, SHILLONG.



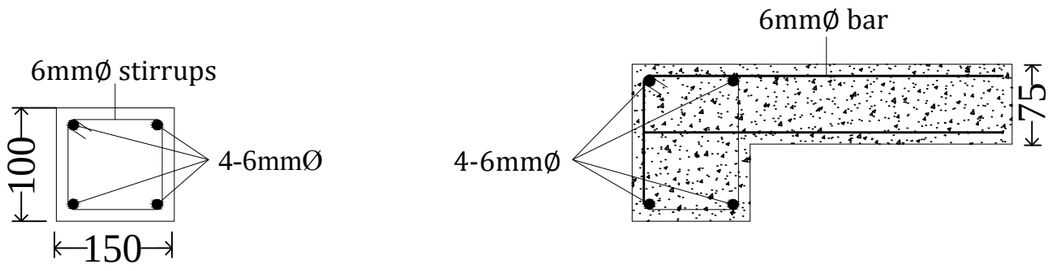
TYPICAL COLUMN SECTION



DETAIL OF PLINTH WALL



PLAN OF FOOTING



SECTION OF ALL LINTELS

TABLE SHOWING DETAILS OF COLUMN FOOTINGS

FOOTING NO.	A x B (mm x mm)	D (mm)	X (mm)	Y (mm)	Reinforcement (Jali)
F-1 upto F-8	150 x 150	300	650	650	6mmØ @ 12 cm c/c
F-9 upto F-11	125 x 125	300	500	500	-

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 AT 2.5 - 2.7 METRES FROM PLINTH LEVEL UPTO CEILING HEIGHT.

PROJECT TITLE :

PMAY-G RURAL HOUSE MODEL NO.8
HALF BRICK WALL & HALF BAMBOO MAT WALL
(APPLICABLE IN LESS CYCLONE REGIONS)

DRAWING NO.3

CONTENTS :

DETAILS OF FOOTING, TYPICAL COLUMN SECTION, PLINTH WALL & LINTELS

PLINTH AREA:

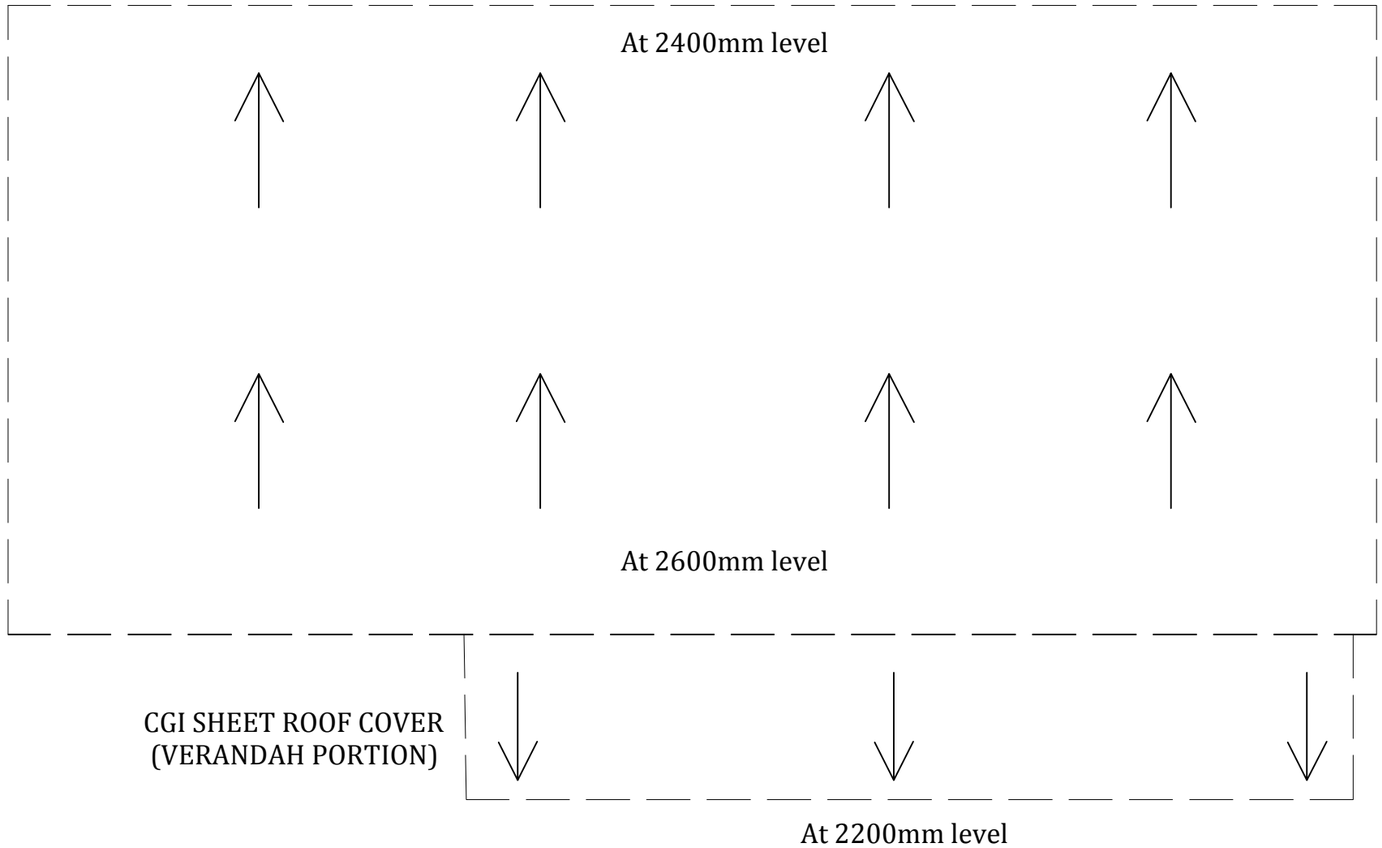
CARPET AREA - 23.4 sq.m
VERANDAH - 6.2 sq.m

TOTAL - 29.6 sq.m (318.2 sq.ft.)

DESIGNED BY:

DC&RD

OFFICE OF THE DIRECTORATE OF COMMUNITY & RURAL DEVELOPMENT, MEGHALAYA, SHILLONG.



SCHEDULE OF ALL OPENINGS

All Dimensions are in mm

SCHEDULE OF DOORS

DOOR	W x H	SILL LEVEL
D-1	900 x 2000	100
D-2	800 x 2000	100

SCHEDULE OF WINDOWS

WINDOW	W x H	SILL LEVEL
W-1	800 x 1000	1000
W-2	-	-

SCHEDULE OF VENTILATORS

VENTILATOR	W x H	SILL LEVEL
V-1	450 x 300	2100
V-2	-	-

DRAWN BY:

ASSISTANT ENGINEER (PMAY-G)
DIRECTORATE OF COMMUNITY & RURAL DEVELOPMENT,
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 AT 2.5 - 2.7 METRES FROM PLINTH LEVEL UPTO CEILING HEIGHT.

PROJECT TITLE :

PMAY-G RURAL HOUSE MODEL NO.8
HALF BRICK WALL & HALF BAMBOO MAT WALL
(APPLICABLE IN LESS CYCLONE REGIONS)

DRAWING NO.4

CONTENTS :

ROOF PLAN

PLINTH AREA:

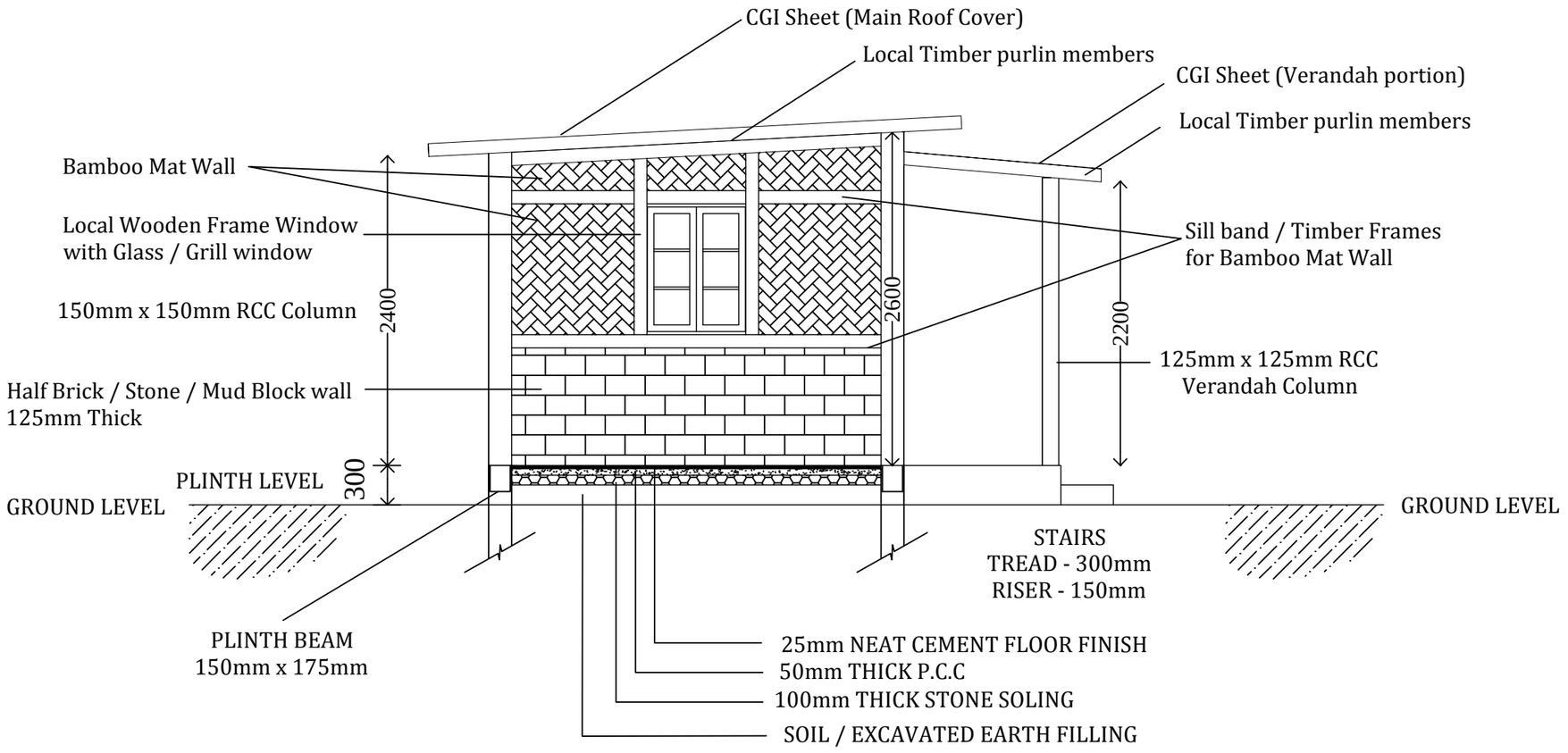
CARPET AREA - 23.4 sq.m
VERANDAH - 6.2 sq.m

TOTAL - 29.6 sq.m (318.2 sq.ft.)

DESIGNED BY:

DC&RD

OFFICE OF THE DIRECTORATE OF
COMMUNITY & RURAL DEVELOPMENT,
MEGHALAYA, SHILLONG.



SCHEDULE OF ALL OPENINGS

All Dimensions are in mm

SCHEDULE OF DOORS

DOOR	W x H	SILL LEVEL
D-1	900 x 2000	100
D-2	800 x 2000	100

SCHEDULE OF WINDOWS

WINDOW	W x H	SILL LEVEL
W-1	800 x 1000	1000
W-2	-	-

SCHEDULE OF VENTILATORS

VENTILATOR	W x H	SILL LEVEL
V-1	450 x 300	2100
V-2	-	-

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 AT 2.5 - 2.7 METRES FROM PLINTH LEVEL UPTO CEILING HEIGHT.

PROJECT TITLE :

PMAY-G RURAL HOUSE MODEL NO.8
HALF BRICK WALL & HALF BAMBOO MAT WALL
(APPLICABLE IN LESS CYCLONE REGIONS)

DRAWING NO.5

CONTENTS :

FRONT & BACK ELEVATIONS

PLINTH AREA:

CARPET AREA - 23.4 sq.m
VERANDAH - 6.2 sq.m

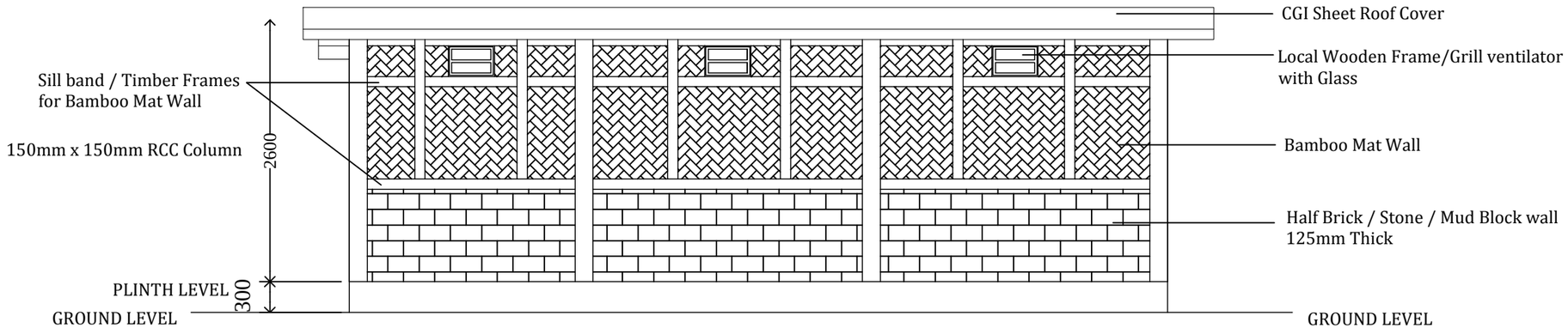
TOTAL - 29.6 sq.m (318.2 sq.ft.)

DESIGNED BY:

DC&RD

OFFICE OF THE DIRECTORATE OF
COMMUNITY & RURAL DEVELOPMENT,
MEGHALAYA, SHILLONG.

FRONT ELEVATION



BACK ELEVATION

SCHEDULE OF ALL OPENINGS

All Dimensions are in mm

SCHEDULE OF DOORS

DOOR	W x H	SILL LEVEL
D-1	900 x 2000	100
D-2	800 x 2000	100

SCHEDULE OF WINDOWS

WINDOW	W x H	SILL LEVEL
W-1	800 x 1000	1000
W-2	-	-

SCHEDULE OF VENTILATORS

VENTILATOR	W x H	SILL LEVEL
V-1	450 x 300	2100
V-2	-	-

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 AT 2.5 - 2.7 METRES FROM PLINTH LEVEL UPTO CEILING HEIGHT.

PROJECT TITLE :

PMAY-G RURAL HOUSE MODEL NO.8
HALF BRICK WALL & HALF BAMBOO MAT WALL
(APPLICABLE IN LESS CYCLONE REGIONS)

DRAWING NO.6

CONTENTS :

FRONT & BACK ELEVATIONS

PLINTH AREA:

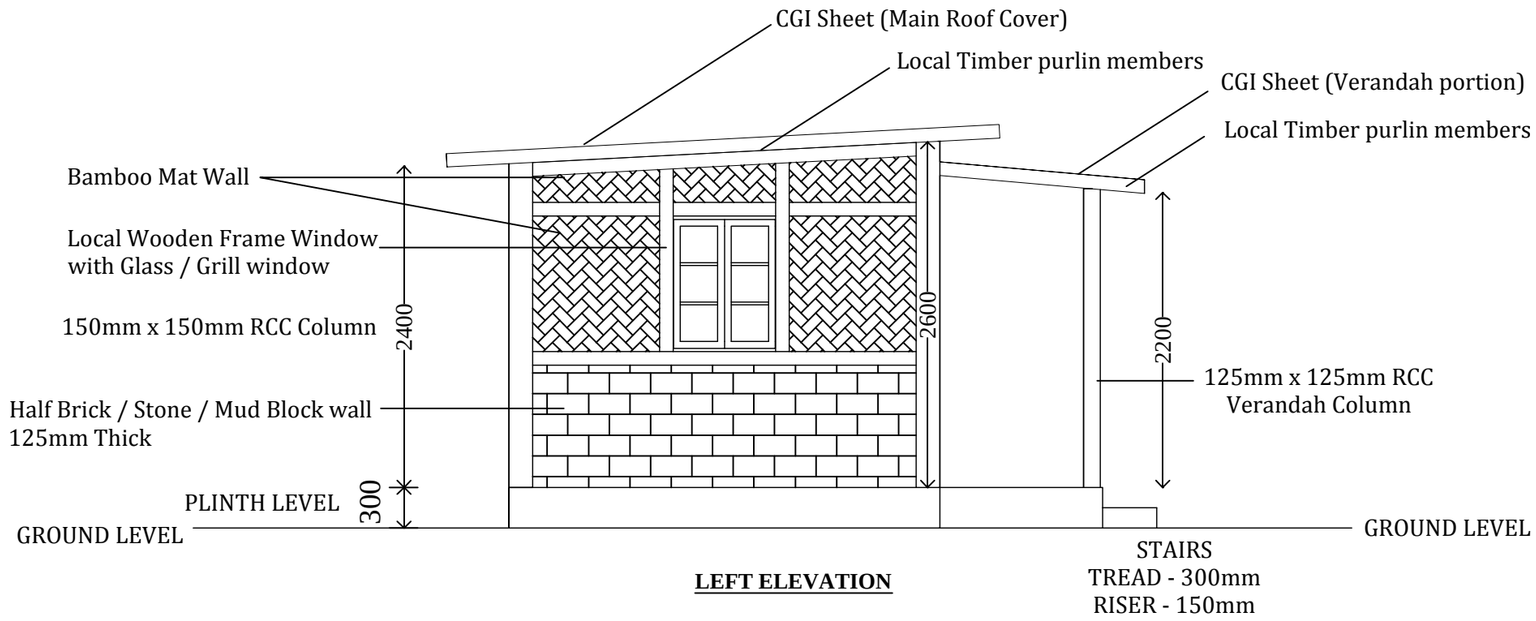
CARPET AREA - 23.4 sq.m
VERANDAH - 6.2 sq.m

TOTAL - 29.6 sq.m (318.2 sq.ft.)

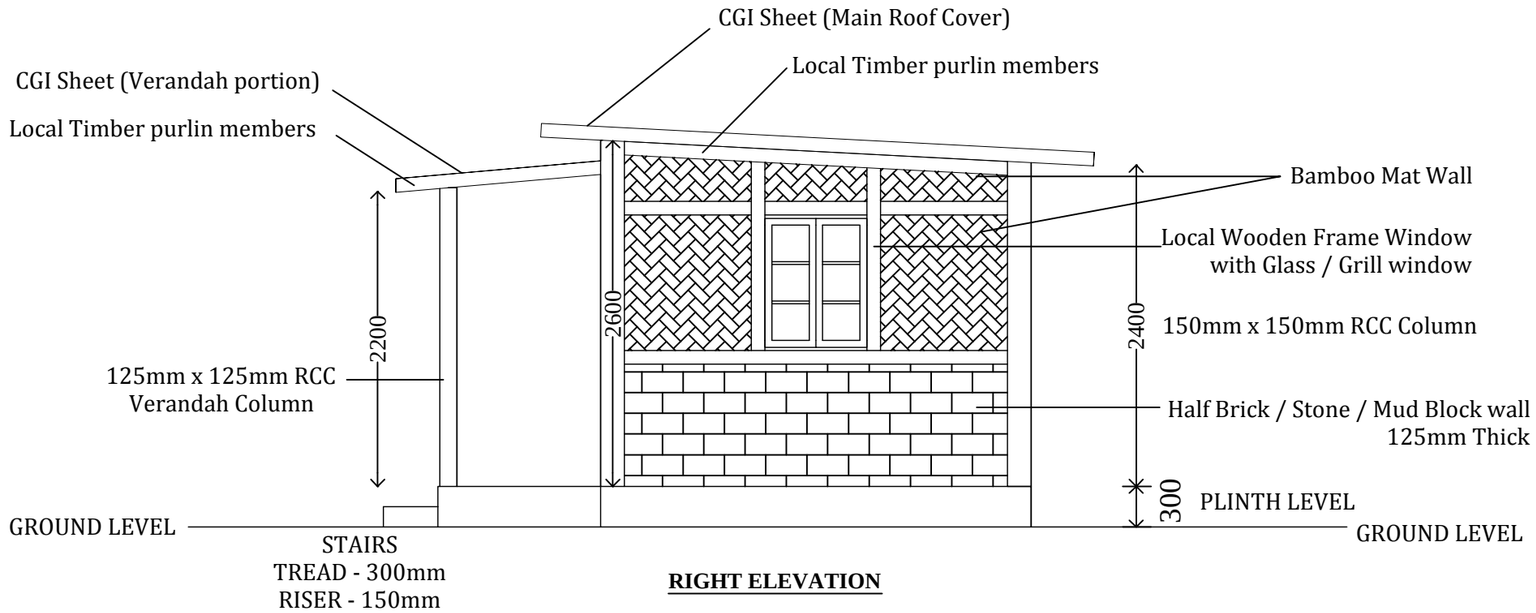
DESIGNED BY:

DC&RD

OFFICE OF THE DIRECTORATE OF
COMMUNITY & RURAL DEVELOPMENT,
MEGHALAYA, SHILLONG.



LEFT ELEVATION



RIGHT ELEVATION

SCHEDULE OF ALL OPENINGS

All Dimensions are in mm

SCHEDULE OF DOORS

DOOR	W x H	SILL LEVEL
D-1	900 x 2000	100
D-2	800 x 2000	100

SCHEDULE OF WINDOWS

WINDOW	W x H	SILL LEVEL
W-1	800 x 1000	1000
W-2	-	-

SCHEDULE OF VENTILATORS

VENTILATOR	W x H	SILL LEVEL
V-1	450 x 300	2100
V-2	-	-

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 AT 2.5 - 2.7 METRES FROM PLINTH LEVEL UPTO CEILING HEIGHT.

PROJECT TITLE :

PMAY-G RURAL HOUSE MODEL NO.8
HALF BRICK WALL & HALF BAMBOO MAT WALL
(APPLICABLE IN LESS CYCLONE REGIONS)

DRAWING NO.7

CONTENTS :

LEFT & RIGHT ELEVATIONS

PLINTH AREA:

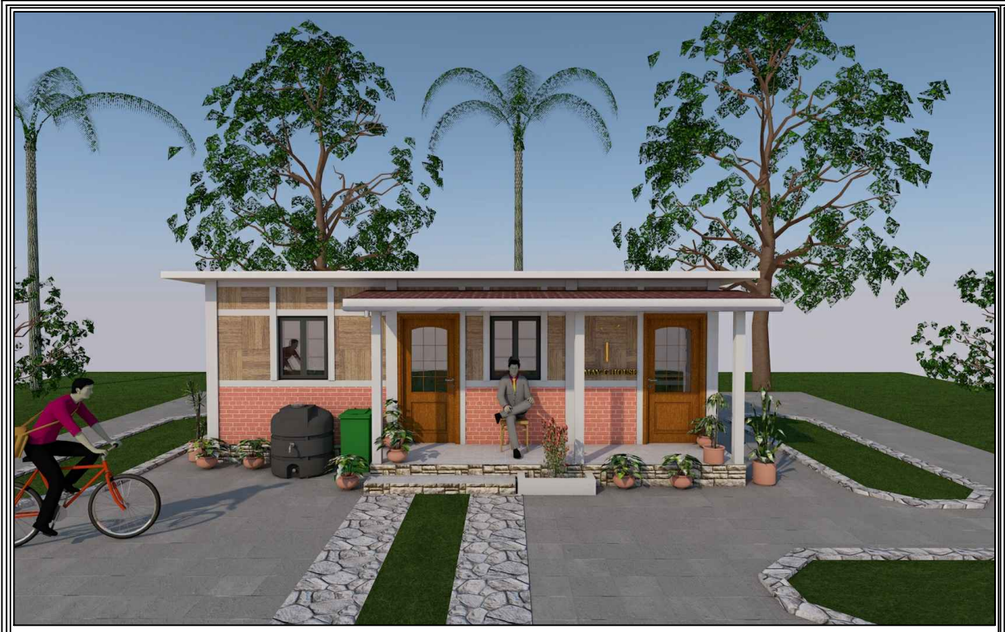
CARPET AREA - 23.4 sq.m
VERANDAH - 6.2 sq.m

TOTAL - 29.6 sq.m (318.2 sq.ft.)

DESIGNED BY:

DC&RD

OFFICE OF THE DIRECTORATE OF
COMMUNITY & RURAL DEVELOPMENT,
MEGHALAYA, SHILLONG.



FRONT VIEW

REAR VIEW

SCHEDULE OF ALL OPENINGS

All Dimensions are in mm

SCHEDULE OF DOORS

DOOR	W x H	SILL LEVEL
D-1	900 x 2000	100
D-2	800 x 2000	100

SCHEDULE OF WINDOWS

WINDOW	W x H	SILL LEVEL
W-1	800 x 1000	1000
W-2	-	-

SCHEDULE OF VENTILATORS

VENTILATOR	W x H	SILL LEVEL
V-1	-	-
V-2	-	-

LEFT VIEW

RIGHT VIEW

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 AT 2.5 - 2.7 METRES FROM PLINTH LEVEL UPTO CEILING HEIGHT.

PROJECT TITLE :

PMAY-G RURAL HOUSE MODEL NO.8
HALF BRICK WALL & HALF BAMBOO MAT WALL
(APPLICABLE IN LESS CYCLONE REGIONS)

DRAWING NO.8

CONTENTS :

FRONT, REAR, LEFT & RIGHT 3-D VIEWS

PLINTH AREA:

CARPET AREA - 23.4 sq.m
VERANDAH - 6.2 sq.m

TOTAL - 29.6 sq.m (318.2 sq.ft.)

DESIGNED BY:

DC&RD

OFFICE OF THE DIRECTORATE OF
COMMUNITY & RURAL DEVELOPMENT,
MEGHALAYA, SHILLONG.