

Distribution of Houses by Predominant Materials of Roof and Wall and Level of Damage Risk

Table No. : MG 07

State : MEGHALAYA

JAINTIA HILLS

Wall / Roof		Census Houses		Level of Risk under								Flood Prone Area in %	
		No. of Houses	%	EQ Zone				Wind Velocity m/s					
				V	IV	III	II	55 & 50	47	44 & 39	33		
				Area in %				Area in %					
				100					100				
WALL													
A1 - Mud & Unburnt Brick Wall	Rural	9,520	12.2										
	Urban	505	0.6										
	Total	10,025	12.8	VH					VH				
A2 - Stone Wall not packed with mortar	Rural	2,357	3.0										
	Urban	57	0.1										
	Total	2,414	3.1	VH					H				
Total - Category - A		12,439	16.0										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	10,751	13.8										
	Urban	1,420	1.8										
	Total	12,171	15.6	H					H				
Total - Category - B		12,171	15.6										
C1 - Concrete Wall	Rural	7,904	10.2										
	Urban	3,754	4.8										
	Total	11,658	15.0	M					L				
C2 - Wood wall	Rural	22,755	29.2										
	Urban	522	0.7										
	Total	23,277	29.9	M					VH				
Total - Category - C		34,935	44.9										
X - Other Materials	Rural	18,013	23.1										
	Urban	271	0.3										
	Total	18,284	23.4	M					VH				
Total - Category - X		18,284	23.5										
TOTAL HOUSES*		77,829											

ROOF												
R1 - Light Weight Sloping Roof	Rural	60,151	77.3									
	Urban	2,609	3.4									
	Total	62,760	80.7	<i>M</i>				<i>VH</i>				
R2 - Heavy Weight Sloping Roof	Rural	3,401	4.4									
	Urban	104	0.1									
	Total	3,505	4.5	<i>H</i>				<i>H</i>				
R3 - Flat Roof	Rural	7,748	10.0									
	Urban	3,816	4.9									
	Total	11,564	14.9	<i>Damage Risk as per that for the Wall supporting it</i>								
TOTAL HOUSES*		77,829										

Probable Maximum Precipitation at a Station of the district in 24 hrs is 1240 mm

Housing Category : Wall Types

Category - A : Buildings in field-stone, rural structures, unburnt brick houses, clay houses

Category - B : Ordinary brick building; buildings of the large block & prefabricated type, half-timbered structures, building in natural hewn stone

Category - C : Reinforced building, well built wooden structures

Category - X : Other materials not covered in A,B,C. These are generally light.

Notes : 1. Flood prone area includes that protected area which may have more severe damage under failure of protection works. In some other areas the local damage may be severe under heavy rains and choked drainage.

2. Damage Risk for wall types is indicated assuming heavy flat roof in categories A, B and C (Reinforced Concrete) building

3. Source of Housing Data : Census of Housing, GOI, 2011

Housing Category : Roof Type

Category - R1 - Light Weight (Grass, Thatch, Bamboo, Wood, Mud, Plastic, Polythene, GI Metal, Asbestos Sheets, Other Materials)

Category - R2 - Heavy Weight (Tiles, Stone/Slate)

Category - R3 - Flat Roof (Brick, Concrete)

EQ Zone V : Very High Damage Risk Zone (MSK > IX)

EQ Zone IV : High Damage Risk Zone (MSK VIII)

EQ Zone III : Moderate Damage Risk Zone (MSK VII)

EQ Zone II : Low Damage Risk Zone (MSK < VI)

Level of Risk : VH = Very High; H = High;

M = Moderate; L = Low; VL = Very Low

* Total No. of Houses excluding Vacant/Locked Houses