

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

Table No. : MZ 08

State : MIZORAM

SAIHA

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	7	0.1										
	Urban	5	-										
	Total	12	0.1	VH					VH				
A2 - Stone Wall not packed with mortar	Rural	2	-										
	Urban	5	-										
	Total	7	-	VH					H				
Total - Category - A		19	0.2										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	87	0.7										
	Urban	463	3.7										
	Total	550	4.4	H					H				
Total - Category - B		550	4.4										
C1 - Concrete Wall	Rural	87	0.7										
	Urban	861	7.0										
	Total	948	7.7	M					L				
C2 - Wood wall	Rural	2,302	18.6										
	Urban	833	6.7										
	Total	3,135	25.3	M					VH				
Total - Category - C		4,083	33.0										
X - Other Materials	Rural	4,438	35.9										
	Urban	3,284	26.5										
	Total	7,722	62.4	M					VH				
Total - Category - X		7,722	62.4										
TOTAL HOUSES*		12,374											

ROOF												
R1 - Light Weight Sloping Roof	Rural	6,838	55.3									
	Urban	4,350	35.2									
	Total	11,188	90.5	<i>M</i>				<i>VH</i>				
R2 - Heavy Weight Sloping Roof	Rural	31	0.3									
	Urban	83	0.7									
	Total	114	1.0	<i>H</i>				<i>H</i>				
R3 - Flat Roof	Rural	54	0.4									
	Urban	1,018	8.2									
	Total	1,072	8.6	<i>Damage Risk as per that for the Wall supporting it</i>								
TOTAL HOUSES*		12,374										

Probable Maximum Precipitation at a Station of the district in 24 hrs is 640 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