

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

Table No. : MZ 05

State : MIZORAM

SERCHHIP

Wall / Roof		Census Houses		Level of Risk under									
		No. of Houses	%	EQ Zone				Wind Velocity m/s				Flood Prone Area in %	
				V	IV	III	II	55 & 50	47	44 & 39	33		
				Area in %				Area in %					
				100				100					
WALL													
A1 - Mud & Unburnt Brick Wall	Rural	30	0.2										
	Urban	27	0.2										
	Total	57	0.4	VH				VH					
A2 - Stone Wall not packed with mortar	Rural	5	-										
	Urban	11	0.1										
	Total	16	0.1	VH				H					
Total - Category - A		73	0.5										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	290	2.0										
	Urban	790	5.4										
	Total	1,080	7.4	H				H					
Total - Category - B		1,080	7.3										
C1 - Concrete Wall	Rural	181	1.2										
	Urban	534	3.6										
	Total	715	4.8	M				L					
C2 - Wood wall	Rural	107	0.7										
	Urban	118	0.8										
	Total	225	1.5	M				VH					
Total - Category - C		940	6.4										
X - Other Materials	Rural	6,659	45.3										
	Urban	5,943	40.4										
	Total	12,602	85.7	M				VH					
Total - Category - X		12,602	85.8										
TOTAL HOUSES*		14,695											

ROOF												
R1 - Light Weight Sloping Roof	Rural	6,985	47.5									
	Urban	6,626	45.1									
	Total	13,611	92.6	M				VH				
R2 - Heavy Weight Sloping Roof	Rural	102	0.7									
	Urban	17	0.1									
	Total	119	0.8	H				H				
R3 - Flat Roof	Rural	185	1.3									
	Urban	780	5.3									
	Total	965	6.6	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		14,695										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. **483 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