

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

Table No. : MZ 06

State : MIZORAM

LUNGLEI

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	33	0.1										
	Urban	20	0.1										
	Total	53	0.2	VH									
A2 - Stone Wall not packed with mortar	Rural	13	-										
	Urban	42	0.1										
	Total	55	0.1	VH									
Total - Category - A		108	0.3										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	272	0.7										
	Urban	1,770	4.7										
	Total	2,042	5.4	H									
Total - Category - B		2,042	5.4										
C1 - Concrete Wall	Rural	275	0.7										
	Urban	2,400	6.4										
	Total	2,675	7.1	M									
C2 - Wood wall	Rural	441	1.2										
	Urban	161	0.4										
	Total	602	1.6	M									
Total - Category - C		3,277	8.7										
X - Other Materials	Rural	19,902	53.0										
	Urban	12,192	32.5										
	Total	32,094	85.5	M									
Total - Category - X		32,094	85.5										
TOTAL HOUSES*		37,521											

ROOF													
R1 - Light Weight Sloping Roof	Rural	20,684	55.1										
	Urban	13,436	35.8										
	Total	34,120	90.9	M									
R2 - Heavy Weight Sloping Roof	Rural	127	0.3										
	Urban	151	0.4										
	Total	278	0.7	H									
R3 - Flat Roof	Rural	125	0.3										
	Urban	2,998	8.0										
	Total	3,123	8.3	Damage Risk as per that for the Wall supporting it									
TOTAL HOUSES*		37,521											

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