

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

Table No. : NG 02

State : NAGALAND

MOKOKCHUNG

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					30.5		69.5		
WALL													
A1 - Mud & Unburnt Brick Wall	Rural	608	1.2										
	Urban	276	0.5										
	Total	884	1.7	VH					VH		M		
A2 - Stone Wall not packed with mortar	Rural	268	0.5										
	Urban	136	0.3										
	Total	404	0.8	VH					H		L		
Total - Category - A		1,288	2.5										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	2,207	4.3										
	Urban	3,951	7.7										
	Total	6,158	12.0	H					H		L		
Total - Category - B		6,158	12.0										
C1 - Concrete Wall	Rural	1,304	2.5										
	Urban	2,205	4.3										
	Total	3,509	6.8	M					L		VL		
C2 - Wood wall	Rural	8,560	16.6										
	Urban	2,991	5.8										
	Total	11,551	22.4	M					VH		M		
Total - Category - C		15,060	29.2										
X - Other Materials	Rural	22,639	44.0										
	Urban	6,360	12.3										
	Total	28,999	56.3	M					VH		M		
Total - Category - X		28,999	56.3										
TOTAL HOUSES*		51,505											

ROOF												
R1 - Light Weight Sloping Roof	Rural	34,227	66.5									
	Urban	12,989	25.2									
	Total	47,216	91.7	M				VH		H		
R2 - Heavy Weight Sloping Roof	Rural	677	1.3									
	Urban	246	0.5									
	Total	923	1.8	H				H		L		
R3 - Flat Roof	Rural	682	1.3									
	Urban	2,684	5.2									
	Total	3,366	6.5									
				<i>Damage Risk as per that for the Wall supporting it</i>								
TOTAL HOUSES*		51,505										

Probable Maximum Precipitation at a Station of the district in 24 hrs is 360 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