

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

Table No. : NG 10

State : NAGALAND

KOHIMA

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	2,291	3.4										
	Urban	319	0.5										
	Total	2,610	3.9	VH							M		
A2 - Stone Wall not packed with mortar	Rural	149	0.2										
	Urban	287	0.4										
	Total	436	0.6	VH							L		
Total - Category - A		3,046	4.6										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	5,612	8.4										
	Urban	11,775	17.7										
	Total	17,387	26.1	H							L		
Total - Category - B		17,387	26.2										
C1 - Concrete Wall	Rural	1,860	2.8										
	Urban	8,597	12.9										
	Total	10,457	15.7	M							VL		
C2 - Wood wall	Rural	6,017	9.1										
	Urban	2,745	4.1										
	Total	8,762	13.2	M							M		
Total - Category - C		19,219	28.9										
X - Other Materials	Rural	14,216	21.4										
	Urban	12,612	19.0										
	Total	26,828	40.4	M							M		
Total - Category - X		26,828	40.4										
TOTAL HOUSES*		66,480											

ROOF												
R1 - Light Weight Sloping Roof	Rural	28,786	43.3									
	Urban	26,256	39.5									
	Total	55,042	82.8	M							H	
R2 - Heavy Weight Sloping Roof	Rural	464	0.7									
	Urban	1,124	1.7									
	Total	1,588	2.4	H							L	
R3 - Flat Roof	Rural	895	1.3									
	Urban	8,955	13.5									
	Total	9,850	14.8	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		66,480										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. 761 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