

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

NAGALAND

Wall / Roof		Census Houses		Level of Risk under							
		No. of Houses	%	EQ Zone				Wind Velocity m/s			
				V	IV	III	II	55 & 50	47	44 & 39	33
				Area in %				Area in %			
STATE - NAGALAND				100				22.3		77.7	
WALL											
A1 - Mud & Unburnt Brick Wall	Rural	12,132	2.5								
	Urban	2,604	0.5								
	Total	14,736	3.0	VH				VH		M	
A2 - Stone Wall not packed with mortar	Rural	1,150	0.2								
	Urban	1,347	0.3								
	Total	2,497	0.5	VH				H		L	
Total - Category - A		17,233	3.5								
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	30,280	6.1								
	Urban	49,233	10.0								
	Total	79,513	16.1	H				H		L	
Total - Category - B		79,513	16.1								
C1 - Concrete Wall	Rural	8,740	1.8								
	Urban	22,659	4.6								
	Total	31,399	6.4	M				L		VL	
C2 - Wood wall	Rural	87,904	17.9								
	Urban	19,007	3.9								
	Total	106,911	21.8	M				VH		M	
Total - Category - C		138,310	28.1								
X - Other Materials	Rural	202,353	41.1								
	Urban	54,961	11.2								
	Total	257,314	52.3	M				VH		M	
Total - Category - X		257,314	52.3								
TOTAL HOUSES*		492,370									

ROOF											
R1 - Light Weight Sloping Roof	Rural	332,046	67.4								
	Urban	113,158	23.0								
	Total	445,204	90.4	M				VH		H	
R2 - Heavy Weight Sloping Roof	Rural	4,512	0.9								
	Urban	5,673	1.2								
	Total	10,185	2.1	H				H		L	
R3 - Flat Roof	Rural	6,001	1.2								
	Urban	30,980	6.3								
	Total	36,981	7.5	Damage Risk as per that for the Wall supporting it							
TOTAL HOUSES*		492,370									

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