

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

Table No. : NG 11

State : NAGALAND

PEREN

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				95.5		4.5			
WALL													
A1 - Mud & Unburnt Brick Wall	Rural	2,954	13.0										
	Urban	108	0.5										
	Total	3,062	13.5	VH				VH		M			
A2 - Stone Wall not packed with mortar	Rural	44	0.2										
	Urban	30	0.1										
	Total	74	0.3	VH				H		L			
Total - Category - A		3,136	13.8										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	936	4.1										
	Urban	642	2.8										
	Total	1,578	6.9	H				H		L			
Total - Category - B		1,578	6.9										
C1 - Concrete Wall	Rural	423	1.9										
	Urban	410	1.8										
	Total	833	3.7	M				L		VL			
C2 - Wood wall	Rural	2,667	11.7										
	Urban	446	2.0										
	Total	3,113	13.7	M				VH		M			
Total - Category - C		3,946	17.3										
X - Other Materials	Rural	12,226	53.7										
	Urban	1,889	8.3										
	Total	14,115	62.0	M				VH		M			
Total - Category - X		14,115	62.0										
TOTAL HOUSES*		22,775											

ROOF												
R1 - Light Weight Sloping Roof	Rural	18,893	83.0									
	Urban	3,279	14.4									
	Total	22,172	97.4	M				VH		H		
R2 - Heavy Weight Sloping Roof	Rural	204	0.9									
	Urban	66	0.3									
	Total	270	1.2	H				H		L		
R3 - Flat Roof	Rural	153	0.7									
	Urban	180	0.8									
	Total	333	1.5	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		22,775										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. 760 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