

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

Table No. : NG 05

State : NAGALAND

DIMAPUR

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					79.9		20.1		
WALL													
A1 - Mud & Unburnt Brick Wall	Rural	1,309	1.3										
	Urban	1,027	1.0										
	Total	2,336	2.3	VH				VH		M			
A2 - Stone Wall not packed with mortar	Rural	204	0.2										
	Urban	503	0.5										
	Total	707	0.7	VH				H		L			
Total - Category - A		3,043	3.1										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	10,692	10.9										
	Urban	23,889	24.3										
	Total	34,581	35.2	H				H		L			
Total - Category - B		34,581	35.2										
C1 - Concrete Wall	Rural	2,750	2.8										
	Urban	7,739	7.9										
	Total	10,489	10.7	M				L		VL			
C2 - Wood wall	Rural	1,346	1.4										
	Urban	652	0.7										
	Total	1,998	2.1	M				VH		M			
Total - Category - C		12,487	12.7										
X - Other Materials	Rural	27,863	28.3										
	Urban	20,331	20.7										
	Total	48,194	49.0	M				VH		M			
Total - Category - X		48,194	49.0										
TOTAL HOUSES*		98,305											

ROOF													
R1 - Light Weight Sloping Roof	Rural	40,824	41.5										
	Urban	37,056	37.7										
	Total	77,880	79.2	M				VH		H			
R2 - Heavy Weight Sloping Roof	Rural	812	0.8										
	Urban	2,298	2.3										
	Total	3,110	3.1	H				H		L			
R3 - Flat Roof	Rural	2,528	2.6										
	Urban	14,787	15.0										
	Total	17,315	17.6	Damage Risk as per that for the Wall supporting it									
TOTAL HOUSES*		98,305											

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