

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

Table No. : AS 06

State : ASSAM

NAGAON

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				18.2	
WALL													
A1 - Mud & Unburnt Brick Wall	Rural	25,332	3.3										
	Urban	2,842	0.4										
	Total	28,174	3.7	VH				VH				VH	
A2 - Stone Wall not packed with mortar	Rural	4,186	0.5										
	Urban	2,612	0.3										
	Total	6,798	0.8	VH				H				VH	
Total - Category - A		34,972	4.5										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	122,739	15.9										
	Urban	42,608	5.5										
	Total	165,347	21.4	H				H				H/M	
Total - Category - B		165,347	21.4										
C1 - Concrete Wall	Rural	13,081	1.7										
	Urban	13,197	1.7										
	Total	26,278	3.4	M				L				L/VL	
C2 - Wood wall	Rural	16,444	2.1										
	Urban	4,845	0.6										
	Total	21,289	2.7	M				VH				H	
Total - Category - C		47,567	6.2										
X - Other Materials	Rural	475,846	61.6										
	Urban	48,346	6.3										
	Total	524,192	67.9	M				VH				VH	
Total - Category - X		524,192	67.9										
TOTAL HOUSES*		772,078											

ROOF												
R1 - Light Weight Sloping Roof	Rural	648,546	84.0									
	Urban	98,984	12.8									
	Total	747,530	96.8	M				VH				VH
R2 - Heavy Weight Sloping Roof	Rural	5,019	0.7									
	Urban	2,625	0.3									
	Total	7,644	1.0	H				H				H
R3 - Flat Roof	Rural	4,063	0.5									
	Urban	12,841	1.7									
	Total	16,904	2.2	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		772,078										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. 655 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