

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

Table No. : AS 17

State : ASSAM

CACHAR

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					4.8
WALL														
A1 - Mud & Unburnt Brick Wall	Rural	31,745	7.5											
	Urban	2,824	0.7											
	Total	34,569	8.2	VH					VH					VH
A2 - Stone Wall not packed with mortar	Rural	4,281	1.0											
	Urban	3,498	0.8											
	Total	7,779	1.8	VH					H					VH
Total - Category - A		42,348	10.0											
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	81,684	19.2											
	Urban	42,252	9.9											
	Total	123,936	29.1	H					H					H/M
Total - Category - B		123,936	29.2											
C1 - Concrete Wall	Rural	2,049	0.5											
	Urban	4,415	1.0											
	Total	6,464	1.5	M					L					L/VL
C2 - Wood wall	Rural	8,937	2.1											
	Urban	1,852	0.4											
	Total	10,789	2.5	M					VH					H
Total - Category - C		17,253	4.1											
X - Other Materials	Rural	211,463	49.8											
	Urban	29,685	7.0											
	Total	241,148	56.8	M					VH					VH
Total - Category - X		241,148	56.8											
TOTAL HOUSES*		424,685												
ROOF														
R1 - Light Weight Sloping Roof	Rural	325,776	76.7											
	Urban	59,970	14.1											
	Total	385,746	90.8	M					VH					VH
R2 - Heavy Weight Sloping Roof	Rural	7,943	1.9											
	Urban	4,989	1.2											
	Total	12,932	3.1	H					H					H
R3 - Flat Roof	Rural	6,440	1.5											
	Urban	19,567	4.6											
	Total	26,007	6.1	Damage Risk as per that for the Wall supporting it										
TOTAL HOUSES*		424,685												

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. **545 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