

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

Table No. : AS 08

State : ASSAM

LAKHIMPUR

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				64.5		35.5		39.6	
WALL													
A1 - Mud & Unburnt Brick Wall	Rural	3,493	1.1										
	Urban	1,124	0.4										
	Total	4,617	1.5	VH				VH		M		VH	
A2 - Stone Wall not packed with mortar	Rural	987	0.3										
	Urban	136	-										
	Total	1,123	0.3	VH				H		L		VH	
Total - Category - A		5,740	1.8										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	42,303	13.3										
	Urban	15,132	4.8										
	Total	57,435	18.1	H				H		L		H/M	
Total - Category - B		57,435	18.0										
C1 - Concrete Wall	Rural	3,567	1.1										
	Urban	1,312	0.4										
	Total	4,879	1.5	M				L		VL		L/ VL	
C2 - Wood wall	Rural	1,606	0.5										
	Urban	307	0.1										
	Total	1,913	0.6	M				VH		M		H	
Total - Category - C		6,792	2.1										
X - Other Materials	Rural	235,260	73.9										
	Urban	13,125	4.1										
	Total	248,385	78.0	M				VH		M		VH	
Total - Category - X		248,385	78.0										
TOTAL HOUSES*		318,352											

ROOF												
R1 - Light Weight Sloping Roof	Rural	284,509	89.4									
	Urban	27,130	8.5									
	Total	311,639	97.9	M				VH		H		VH
R2 - Heavy Weight Sloping Roof	Rural	1,462	0.5									
	Urban	551	0.2									
	Total	2,013	0.7	H				H		L		H
R3 - Flat Roof	Rural	1,245	0.4									
	Urban	3,455	1.1									
	Total	4,700	1.5	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		318,352										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. 587 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