

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

Table No. : AS 14

State : ASSAM

GOLAGHAT

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					22.6
WALL														
A1 - Mud & Unburnt Brick Wall	Rural	6,921	2.2											
	Urban	998	0.3											
	Total	7,919	2.5	VH				VH					VH	
A2 - Stone Wall not packed with mortar	Rural	928	0.3											
	Urban	434	0.1											
	Total	1,362	0.4	VH				H					VH	
Total - Category - A		9,281	3.0											
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	40,557	12.9											
	Urban	15,440	4.9											
	Total	55,997	17.8	H				H					H/M	
Total - Category - B		55,997	17.8											
C1 - Concrete Wall	Rural	1,989	0.6											
	Urban	873	0.3											
	Total	2,862	0.9	M				L					L/VL	
C2 - Wood wall	Rural	882	0.3											
	Urban	388	0.1											
	Total	1,270	0.4	M				VH					H	
Total - Category - C		4,132	1.3											
X - Other Materials	Rural	231,870	73.8											
	Urban	12,930	4.1											
	Total	244,800	77.9	M				VH					VH	
Total - Category - X		244,800	77.9											
TOTAL HOUSES*		314,210												
ROOF														
R1 - Light Weight Sloping Roof	Rural	279,229	88.9											
	Urban	27,267	8.7											
	Total	306,496	97.6	M				VH					VH	
R2 - Heavy Weight Sloping Roof	Rural	2,393	0.8											
	Urban	706	0.2											
	Total	3,099	1.0	H				H					H	
R3 - Flat Roof	Rural	1,525	0.5											
	Urban	3,090	1.0											
	Total	4,615	1.5	Damage Risk as per that for the Wall supporting it										
TOTAL HOUSES*		314,210												

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. **674 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