

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

Table No. : AS 16

State : ASSAM

DIMA HASAO

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				
WALL												
A1 - Mud & Unburnt Brick Wall	Rural	451	0.8									
	Urban	531	1.0									
	Total	982	1.8	VH				VH				
A2 - Stone Wall not packed with mortar	Rural	201	0.4									
	Urban	804	1.5									
	Total	1,005	1.9	VH				H				
Total - Category - A		1,987	3.7									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	3,004	5.5									
	Urban	6,499	12.0									
	Total	9,503	17.5	H				H				
Total - Category - B		9,503	17.5									
C1 - Concrete Wall	Rural	693	1.3									
	Urban	972	1.8									
	Total	1,665	3.1	M				L				
C2 - Wood wall	Rural	411	0.8									
	Urban	1,010	1.9									
	Total	1,421	2.7	M				VH				
Total - Category - C		3,086	5.7									
X - Other Materials	Rural	30,532	56.1									
	Urban	9,270	17.0									
	Total	39,802	73.1	M				VH				
Total - Category - X		39,802	73.2									
TOTAL HOUSES*		54,378										
ROOF												
R1 - Light Weight Sloping Roof	Rural	34,446	63.3									
	Urban	17,066	31.4									
	Total	51,512	94.7	M				VH				
R2 - Heavy Weight Sloping Roof	Rural	578	1.1									
	Urban	584	1.1									
	Total	1,162	2.2	H				H				
R3 - Flat Roof	Rural	268	0.5									
	Urban	1,436	2.6									
	Total	1,704	3.1	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		54,378										

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