

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

Table No. : AS 05

State : ASSAM

MORIGAON

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	7,764	3.1											
	Urban	432	0.2											
	Total	8,196	3.3	VH				VH						
A2 - Stone Wall not packed with mortar	Rural	866	0.3											
	Urban	340	0.1											
	Total	1,206	0.4	VH				H						
Total - Category - A		9,402	3.7											
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	33,296	13.3											
	Urban	11,473	4.6											
	Total	44,769	17.9	H				H						
Total - Category - B		44,769	17.8											
C1 - Concrete Wall	Rural	2,852	1.1											
	Urban	637	0.3											
	Total	3,489	1.4	M				L						
C2 - Wood wall	Rural	2,876	1.1											
	Urban	605	0.2											
	Total	3,481	1.3	M				VH						
Total - Category - C		6,970	2.8											
X - Other Materials	Rural	180,240	71.7											
	Urban	9,838	3.9											
	Total	190,078	75.6	M				VH						
Total - Category - X		190,078	75.7											
TOTAL HOUSES*		251,219												

ROOF													
R1 - Light Weight Sloping Roof	Rural	226,097	90.0										
	Urban	21,176	8.4										
	Total	247,273	98.4	M				VH					
R2 - Heavy Weight Sloping Roof	Rural	1,137	0.5										
	Urban	195	0.1										
	Total	1,332	0.6	H				H					
R3 - Flat Roof	Rural	660	0.3										
	Urban	1,954	0.8										
	Total	2,614	1.1	Damage Risk as per that for the Wall supporting it									
TOTAL HOUSES*		251,219											

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. 529 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