

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

Table No. : AS 15

State : ASSAM

KARBI ANGLONG

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				10.5	
WALL													
A1 - Mud & Unburnt Brick Wall	Rural	12,858	5.4										
	Urban	1,079	0.5										
	Total	13,937	5.9	VH				VH				VH	
A2 - Stone Wall not packed with mortar	Rural	967	0.4										
	Urban	555	0.2										
	Total	1,522	0.6	VH				H				VH	
Total - Category - A		15,459	6.5										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	15,134	6.3										
	Urban	9,195	3.8										
	Total	24,329	10.1	H				H				H/M	
Total - Category - B		24,329	10.2										
C1 - Concrete Wall	Rural	2,395	1.0										
	Urban	2,520	1.1										
	Total	4,915	2.1	M				L				L/VL	
C2 - Wood wall	Rural	2,912	1.2										
	Urban	485	0.2										
	Total	3,397	1.4	M				VH				H	
Total - Category - C		8,312	3.5										
X - Other Materials	Rural	171,824	71.9										
	Urban	19,171	8.0										
	Total	190,995	79.9	M				VH				VH	
Total - Category - X		190,995	79.9										
TOTAL HOUSES*		239,095											

ROOF												
R1 - Light Weight Sloping Roof	Rural	201,552	84.3									
	Urban	30,437	12.7									
	Total	231,989	97.0	M				VH				VH
R2 - Heavy Weight Sloping Roof	Rural	3,049	1.3									
	Urban	586	0.2									
	Total	3,635	1.5	H				H				H
R3 - Flat Roof	Rural	1,489	0.6									
	Urban	1,982	0.8									
	Total	3,471	1.4	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		239,095										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. 650 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