

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

Table No. : AS 27

State : ASSAM

UDALGURI

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				86.1	8.4	5.5			
WALL													
A1 - Mud & Unburnt Brick Wall	Rural	6,232	2.3										
	Urban	168	0.1										
	Total	6,400	2.4	VH				VH	H	M			
A2 - Stone Wall not packed with mortar	Rural	941	0.3										
	Urban	396	0.1										
	Total	1,337	0.4	VH				H	M	L			
Total - Category - A		7,737	2.8										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	43,509	15.9										
	Urban	4,971	1.8										
	Total	48,480	17.7	H				H	M	L			
Total - Category - B		48,480	17.8										
C1 - Concrete Wall	Rural	4,155	1.5										
	Urban	1,755	0.6										
	Total	5,910	2.1	M				L	VL	VL			
C2 - Wood wall	Rural	3,508	1.3										
	Urban	308	0.1										
	Total	3,816	1.4	M				VH	H	M			
Total - Category - C		9,726	3.6										
X - Other Materials	Rural	201,738	73.9										
	Urban	5,196	1.9										
	Total	206,934	75.8	M				VH	H	M			
Total - Category - X		206,934	75.8										
TOTAL HOUSES*		272,877											

ROOF												
R1 - Light Weight Sloping Roof	Rural	256,249	93.9									
	Urban	12,398	4.5									
	Total	268,647	98.4	M				VH	VH	H		
R2 - Heavy Weight Sloping Roof	Rural	2,808	1.0									
	Urban	170	0.1									
	Total	2,978	1.1	H				H	M	L		
R3 - Flat Roof	Rural	1,026	0.4									
	Urban	226	0.1									
	Total	1,252	0.5	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		272,877										

Probable Maximum Precipitation at a Station of the district in one day for areal extent of 1000 sq.km. is 440 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