

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

ASSAM

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 %									
STATE - ASSAM				100				83.7	12.4	3.9			14.7				
WALL																	
A1 - Mud & Unburnt Brick Wall	Rural	239,983	2.7														
	Urban	30,313	0.3														
	Total	270,296	3.0	VH				VH	H	M			VH				
A2 - Stone Wall not packed with mortar	Rural	38,911	0.4														
	Urban	24,510	0.3														
	Total	63,421	0.7	VH				H	M	L			VH				
Total - Category - A		333,717	3.8														
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	1,274,874	14.6														
	Urban	670,587	7.7														
	Total	1,945,461	22.3	H				H	M	L			H/M				
Total - Category - B		1,945,461	22.2														
C1 - Concrete Wall	Rural	129,355	1.5														
	Urban	137,082	1.6														
	Total	266,437	3.1	M				L	VL	VL			L/ VL				
C2 - Wood wall	Rural	123,233	1.4														
	Urban	31,574	0.4														
	Total	154,807	1.8	M				VH	H	M			H				
Total - Category - C		421,244	4.8														
X - Other Materials	Rural	5,593,922	63.9														
	Urban	462,363	5.3														
	Total	6,056,285	69.2	M				VH	H	M			VH				
Total - Category - X		6,056,285	69.2														
TOTAL HOUSES*		8,756,707															

ROOF															
R1 - Light Weight Sloping Roof	Rural	7,228,611	82.5												
	Urban	1,079,682	12.3												
	Total	8,308,293	94.8	M				VH	VH	H			VH		
R2 - Heavy Weight Sloping Roof	Rural	111,015	1.3												
	Urban	46,634	0.5												
	Total	157,649	1.8	H				H	M	L			H		
R3 - Flat Roof	Rural	60,652	0.7												
	Urban	230,113	2.6												
	Total	290,765	3.3		Damage Risk as per that for the Wall supporting it										
TOTAL HOUSES*		8,756,707													

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