

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

Table No. : AS 02

State : ASSAM

DHUBRI

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					4.8	95.2			38.1
WALL													
A1 - Mud & Unburnt Brick Wall	Rural	8,385	1.6										
	Urban	1,351	0.3										
	Total	9,736	1.9	VH					VH	H			VH
A2 - Stone Wall not packed with mortar	Rural	2,013	0.4										
	Urban	1,138	0.2										
	Total	3,151	0.6	VH					H	M			VH
Total - Category - A		12,887	2.5										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	37,002	7.2										
	Urban	20,637	4.0										
	Total	57,639	11.2	H					H	M			H/M
Total - Category - B		57,639	11.3										
C1 - Concrete Wall	Rural	8,654	1.7										
	Urban	5,937	1.2										
	Total	14,591	2.9	M					L	VL			L/VL
C2 - Wood wall	Rural	5,172	1.0										
	Urban	2,358	0.5										
	Total	7,530	1.5	M					VH	H			H
Total - Category - C		22,121	4.3										
X - Other Materials	Rural	393,901	76.9										
	Urban	25,552	5.0										
	Total	419,453	81.9	M					VH	H			VH
Total - Category - X		419,453	81.9										
TOTAL HOUSES*		512,100											

ROOF												
R1 - Light Weight Sloping Roof	Rural	428,562	83.7									
	Urban	46,659	9.1									
	Total	475,221	92.8	M				VH	VH			VH
R2 - Heavy Weight Sloping Roof	Rural	24,470	4.8									
	Urban	4,603	0.9									
	Total	29,073	5.7	H				H	M			H
R3 - Flat Roof	Rural	2,095	0.4									
	Urban	5,711	1.1									
	Total	7,806	1.5									
				<i>Damage Risk as per that for the Wall supporting it</i>								
TOTAL HOUSES*		512,100										

Probable Maximum Precipitation at a Station of the district in one day for areal extent of 1000 sq.km. is **764 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