

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

Table No. : AS 24

State : ASSAM

NALBARI

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				54.1
WALL												
A1 - Mud & Unburnt Brick Wall	Rural	2,559	1.1									
	Urban	427	0.2									
	Total	2,986	1.3	VH				VH				VH
A2 - Stone Wall not packed with mortar	Rural	991	0.4									
	Urban	103	-									
	Total	1,094	0.4	VH				H				VH
Total - Category - A		4,080	1.8									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	37,297	16.0									
	Urban	9,223	4.0									
	Total	46,520	20.0	H				H				H/M
Total - Category - B		46,520	20.0									
C1 - Concrete Wall	Rural	13,702	5.9									
	Urban	6,431	2.8									
	Total	20,133	8.7	M				L				L/VL
C2 - Wood wall	Rural	3,151	1.4									
	Urban	455	0.2									
	Total	3,606	1.6	M				VH				H
Total - Category - C		23,739	10.2									
X - Other Materials	Rural	148,349	63.7									
	Urban	10,036	4.3									
	Total	158,385	68.0	M				VH				VH
Total - Category - X		158,385	68.1									
TOTAL HOUSES*		232,724										

ROOF												
R1 - Light Weight Sloping Roof	Rural	204,286	87.8									
	Urban	24,996	10.7									
	Total	229,282	98.5	M				VH				VH
R2 - Heavy Weight Sloping Roof	Rural	836	0.4									
	Urban	262	0.1									
	Total	1,098	0.5	H				H				H
R3 - Flat Roof	Rural	927	0.4									
	Urban	1,417	0.6									
	Total	2,344	1.0	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		232,724										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. **503 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