

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

Table No. : AS 11

State : ASSAM

DIBRUGARH

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				17.1
WALL												
A1 - Mud & Unburnt Brick Wall	Rural	6,025	1.7									
	Urban	1,668	0.5									
	Total	7,693	2.2	VH				VH				VH
A2 - Stone Wall not packed with mortar	Rural	1,145	0.3									
	Urban	1,374	0.4									
	Total	2,519	0.7	VH				H				VH
Total - Category - A		10,212	2.8									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	76,682	21.1									
	Urban	42,450	11.7									
	Total	119,132	32.8	H				H				H/M
Total - Category - B		119,132	32.8									
C1 - Concrete Wall	Rural	1,452	0.4									
	Urban	3,197	0.9									
	Total	4,649	1.3	M				L				L/VL
C2 - Wood wall	Rural	889	0.2									
	Urban	1,061	0.3									
	Total	1,950	0.5	M				VH				H
Total - Category - C		6,599	1.8									
X - Other Materials	Rural	204,935	56.5									
	Urban	22,034	6.1									
	Total	226,969	62.6	M				VH				VH
Total - Category - X		226,969	62.5									
TOTAL HOUSES*		362,912										

ROOF												
R1 - Light Weight Sloping Roof	Rural	281,655	77.6									
	Urban	52,715	14.5									
	Total	334,370	92.1	M				VH				VH
R2 - Heavy Weight Sloping Roof	Rural	4,372	1.2									
	Urban	4,096	1.1									
	Total	8,468	2.3	H				H				H
R3 - Flat Roof	Rural	5,101	1.4									
	Urban	14,973	4.1									
	Total	20,074	5.5									
TOTAL HOUSES*		362,912										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. **565 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