

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

Table No. : AP 10

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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 %				
						12.4	87.6			94.2	5.8	3.9
WALL												
A1 - Mud & Unburnt Brick Wall	Rural	59,663	7.6									
	Urban	10,585	1.4									
	Total	70,248	9.0			M	L			M	L	VH
A2 - Stone Wall not packed with mortar	Rural	62,988	8.0									
	Urban	24,455	3.1									
	Total	87,443	11.1			M	L			L	VL	VH
Total - Category - A		157,691	20.1									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	381,326	48.7									
	Urban	215,831	27.6									
	Total	597,157	76.3			L	VL			L	VL	H/M
Total - Category - B		597,157	76.2									
C1 - Concrete Wall	Rural	3,968	0.5									
	Urban	4,347	0.6									
	Total	8,315	1.1			VL	VL			VL	VL	L/VL
C2 - Wood wall	Rural	1,928	0.2									
	Urban	580	0.1									
	Total	2,508	0.3			VL	VL			M	L	H
Total - Category - C		10,823	1.4									
X - Other Materials	Rural	13,465	1.7									
	Urban	4,103	0.5									
	Total	17,568	2.2			VL	VL			M	L	VH
Total - Category - X		17,568	2.2									
TOTAL HOUSES*		783,239										

ROOF												
R1 - Light Weight Sloping Roof	Rural	174,248	22.2									
	Urban	65,256	8.3									
	Total	239,504	30.5			L	VL			H	M	VH
R2 - Heavy Weight Sloping Roof	Rural	68,485	8.7									
	Urban	20,563	2.6									
	Total	89,048	11.3			L	VL			L	VL	H
R3 - Flat Roof	Rural	280,605	35.8									
	Urban	174,082	22.2									
	Total	454,687	58.0	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		783,239										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. **577 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