

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

Table No. : MH 18

State : MAHARASHTRA

JALNA

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		
WALL												
A1 - Mud & Unburnt Brick Wall	Rural	116,070	25.3									
	Urban	14,478	3.2									
	Total	130,548	28.5				L			M		
A2 - Stone Wall not packed with mortar	Rural	15,952	3.5									
	Urban	2,620	0.6									
	Total	18,572	4.1				L			L		
Total - Category - A		149,120	32.5									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	177,698	38.7									
	Urban	58,701	12.8									
	Total	236,399	51.5				VL			L		
Total - Category - B		236,399	51.5									
C1 - Concrete Wall	Rural	19,592	4.3									
	Urban	6,595	1.4									
	Total	26,187	5.7				VL			VL		
C2 - Wood wall	Rural	3,291	0.7									
	Urban	519	0.1									
	Total	3,810	0.8				VL			M		
Total - Category - C		29,997	6.5									
X - Other Materials	Rural	39,761	8.7									
	Urban	3,923	0.9									
	Total	43,684	9.6				VL			M		
Total - Category - X		43,684	9.5									
TOTAL HOUSES*		459,200										

ROOF												
R1 - Light Weight Sloping Roof	Rural	319,406	69.6									
	Urban	47,272	10.3									
	Total	366,678	79.9				VL			H		
R2 - Heavy Weight Sloping Roof	Rural	19,974	4.3									
	Urban	5,748	1.3									
	Total	25,722	5.6				VL			L		
R3 - Flat Roof	Rural	32,984	7.2									
	Urban	33,816	7.4									
	Total	66,800	14.6	<i>Damage Risk as per that for the Wall supporting it</i>								
TOTAL HOUSES*		459,200										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. **401 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