

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

Table No. : TL 07

TELANGANA

MAHBUBNAGAR

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	142,318	15.0											
	Urban	13,074	1.4											
	Total	155,392	16.4				L			M				
A2 - Stone Wall not packed with mortar	Rural	110,594	11.6											
	Urban	5,347	0.6											
	Total	115,941	12.2				L			L				
Total - Category - A		271,333	28.6											
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	487,336	51.3											
	Urban	122,651	12.9											
	Total	609,987	64.2				VL			L				
Total - Category - B		609,987	64.2											
C1 - Concrete Wall	Rural	10,845	1.1											
	Urban	2,870	0.3											
	Total	13,715	1.4				VL			VL				
C2 - Wood wall	Rural	5,501	0.6											
	Urban	368	-											
	Total	5,869	0.6				VL			M				
Total - Category - C		19,584	2.1											
X - Other Materials	Rural	46,155	4.9											
	Urban	2,548	0.3											
	Total	48,703	5.2				VL			M				
Total - Category - X		48,703	5.1											
TOTAL HOUSES*		949,607												

ROOF												
R1 - Light Weight Sloping Roof	Rural	292,752	30.8									
	Urban	23,847	2.5									
	Total	316,599	33.3				<i>VL</i>			<i>H</i>		
R2 - Heavy Weight Sloping Roof	Rural	155,770	16.4									
	Urban	17,090	1.8									
	Total	172,860	18.2				<i>VL</i>			<i>L</i>		
R3 - Flat Roof	Rural	354,227	37.3									
	Urban	105,921	11.2									
	Total	460,148	48.5	<i>Damage Risk as per that for the Wall supporting it</i>								
TOTAL HOUSES*		949,607										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. **520 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