

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

Table No. : TL 09

TELANGANA

WARANGAL

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 %				
						58.7	41.3			100		
WALL												
A1 - Mud & Unburnt Brick Wall	Rural	205,535	21.0									
	Urban	24,926	2.5									
	Total	230,461	23.5			M	L			M		
A2 - Stone Wall not packed with mortar	Rural	12,139	1.2									
	Urban	4,572	0.5									
	Total	16,711	1.7			M	L			L		
Total - Category - A		247,172	25.3									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	404,071	41.3									
	Urban	218,016	22.3									
	Total	622,087	63.6			L	VL			L		
Total - Category - B		622,087	63.6									
C1 - Concrete Wall	Rural	7,121	0.7									
	Urban	7,204	0.7									
	Total	14,325	1.4			VL	VL			VL		
C2 - Wood wall	Rural	7,796	0.8									
	Urban	1,299	0.1									
	Total	9,095	0.9			VL	VL			M		
Total - Category - C		23,420	2.4									
X - Other Materials	Rural	75,541	7.7									
	Urban	9,454	1.0									
	Total	84,995	8.7			VL	VL			M		
Total - Category - X		84,995	8.7									
TOTAL HOUSES*		977,674										

ROOF												
R1 - Light Weight Sloping Roof	Rural	191,242	19.6									
	Urban	53,510	5.5									
	Total	244,752	25.1			L	VL			H		
R2 - Heavy Weight Sloping Roof	Rural	310,432	31.8									
	Urban	58,375	6.0									
	Total	368,807	37.8			L	VL			L		
R3 - Flat Roof	Rural	210,529	21.5									
	Urban	153,586	15.7									
	Total	364,115	37.2	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		977,674										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. **572 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