

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

**Table No. : TL 01**

**TELANGANA**

**ADILABAD**

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 %				
						51.0	49.0			100		7.8
WALL												
A1 - Mud & Unburnt Brick Wall	Rural	83,905	11.0									
	Urban	21,462	2.8									
	Total	105,367	13.8			M	L			M		VH
A2 - Stone Wall not packed with mortar	Rural	14,611	1.9									
	Urban	4,648	0.6									
	Total	19,259	2.5			M	L			L		VH
Total - Category - A		124,626	16.4									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	326,994	43.0									
	Urban	160,977	21.2									
	Total	487,971	64.2			L	VL			L		H/M
Total - Category - B		487,971	64.2									
C1 - Concrete Wall	Rural	2,778	0.4									
	Urban	3,598	0.5									
	Total	6,376	0.9			VL	VL			VL		L/ VL
C2 - Wood wall	Rural	42,190	5.6									
	Urban	1,869	0.2									
	Total	44,059	5.8			VL	VL			M		H
Total - Category - C		50,435	6.6									
X - Other Materials	Rural	86,893	11.4									
	Urban	9,848	1.3									
	Total	96,741	12.7			VL	VL			M		VH
Total - Category - X		96,741	12.7									
TOTAL HOUSES*		759,773										

ROOF												
R1 - Light Weight Sloping Roof	Rural	130,233	17.1									
	Urban	72,755	9.6									
	Total	202,988	26.7			L	VL			H		VH
R2 - Heavy Weight Sloping Roof	Rural	348,670	45.9									
	Urban	46,104	6.1									
	Total	394,774	52.0			L	VL			L		H
R3 - Flat Roof	Rural	78,468	10.3									
	Urban	83,543	11.0									
	Total	162,011	21.3	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		759,773										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. **532 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