

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

Table No. : TL 06

TELANGANA

RANGAREDDY

Wall / Roof		Census Houses		Level of Risk under								
		No. of Houses	%	EQ Zone				Wind Velocity m/s				Flood Prone Area in %
				V	IV	III	II	55 & 50	47	44 & 39	33	
				Area in %				Area in %				
WALL								100			100	
A1 - Mud & Unburnt Brick Wall	Rural	67,516	4.7									
	Urban	47,187	3.3									
	Total	114,703	8.0					<i>L</i>			<i>M</i>	
A2 - Stone Wall not packed with mortar	Rural	76,051	5.3									
	Urban	36,739	2.6									
	Total	112,790	7.9					<i>L</i>			<i>L</i>	
Total - Category - A	227,493	16.0										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	231,073	16.2									
	Urban	870,831	61.1									
	Total	1,101,904	77.3					<i>VL</i>			<i>L</i>	
Total - Category - B	1,101,904	77.3										
C1 - Concrete Wall	Rural	5,435	0.4									
	Urban	56,016	3.9									
	Total	61,451	4.3					<i>VL</i>			<i>VL</i>	
C2 - Wood wall	Rural	3,280	0.2									
	Urban	2,484	0.2									
	Total	5,764	0.4					<i>VL</i>			<i>M</i>	
Total - Category - C	67,215	4.7										
X - Other Materials	Rural	10,720	0.8									
	Urban	18,949	1.3									
	Total	29,669	2.1					<i>VL</i>			<i>M</i>	
Total - Category - X	29,669	2.1										
TOTAL HOUSES*	1,426,281											
ROOF												
R1 - Light Weight Sloping Roof	Rural	72,090	5.1									
	Urban	235,938	16.5									
	Total	308,028	21.6					<i>VL</i>			<i>H</i>	
R2 - Heavy Weight Sloping Roof	Rural	191,539	13.4									
	Urban	56,213	3.9									
	Total	247,752	17.3					<i>VL</i>			<i>L</i>	
R3 - Flat Roof	Rural	130,446	9.1									
	Urban	740,055	51.9									
	Total	870,501	61.0	<i>Damage Risk as per that for the Wall supporting it</i>								
TOTAL HOUSES*	1,426,281											

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. 360 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