

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

Table No. : TL 04

TELANGANA

MEDAK

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	229,914	31.1											
	Urban	27,233	3.7											
	Total	257,147	34.8				L			M				
A2 - Stone Wall not packed with mortar	Rural	73,494	9.9											
	Urban	8,360	1.1											
	Total	81,854	11.0				L			L				
Total - Category - A		339,001	45.9											
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	220,095	29.8											
	Urban	133,935	18.1											
	Total	354,030	47.9				VL			L				
Total - Category - B		354,030	47.9											
C1 - Concrete Wall	Rural	5,022	0.7											
	Urban	6,161	0.8											
	Total	11,183	1.5				VL			VL				
C2 - Wood wall	Rural	6,559	0.9											
	Urban	544	0.1											
	Total	7,103	1.0				VL			M				
Total - Category - C		18,286	2.5											
X - Other Materials	Rural	25,102	3.4											
	Urban	2,765	0.4											
	Total	27,867	3.8				VL			M				
Total - Category - X		27,867	3.8											
TOTAL HOUSES*		739,184												

ROOF												
R1 - Light Weight Sloping Roof	Rural	106,233	14.4									
	Urban	32,297	4.4									
	Total	138,530	18.8				VL			H		
R2 - Heavy Weight Sloping Roof	Rural	328,778	44.5									
	Urban	33,410	4.5									
	Total	362,188	49.0				VL			L		
R3 - Flat Roof	Rural	125,175	16.9									
	Urban	113,291	15.3									
	Total	238,466	32.2	<i>Damage Risk as per that for the Wall supporting it</i>								
TOTAL HOUSES*		739,184										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. **410 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