

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

Table No. : TL 05

TELANGANA

HYDERABAD

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		-											
	Urban	59,339	5.8											
	Total	59,339	5.8				L			M				
A2 - Stone Wall not packed with mortar	Rural		-											
	Urban	28,129	2.8											
	Total	28,129	2.8				L			L				
Total - Category - A		87,468	8.6											
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural		-											
	Urban	824,359	80.7											
	Total	824,359	80.7				VL			L				
Total - Category - B		824,359	80.7											
C1 - Concrete Wall	Rural		-											
	Urban	86,064	8.4											
	Total	86,064	8.4				VL			VL				
C2 - Wood wall	Rural		-											
	Urban	2,741	0.3											
	Total	2,741	0.3				VL			M				
Total - Category - C		88,805	8.7											
X - Other Materials	Rural		-											
	Urban	20,602	2.0											
	Total	20,602	2.0				VL			M				
Total - Category - X		20,602	2.0											
TOTAL HOUSES*		1,021,234												

ROOF												
R1 - Light Weight Sloping Roof	Rural		-									
	Urban	261,232	25.6									
	Total	261,232	25.6				VL			H		
R2 - Heavy Weight Sloping Roof	Rural		-									
	Urban	46,803	4.6									
	Total	46,803	4.6				VL			L		
R3 - Flat Roof	Rural		-									
	Urban	713,199	69.8									
	Total	713,199	69.8	<i>Damage Risk as per that for the Wall supporting it</i>								
TOTAL HOUSES*		1,021,234										

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