

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

Table No. : TL 08

TELANGANA

NALGONDA

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 %				
						1.4	98.6			100		
WALL												
A1 - Mud & Unburnt Brick Wall	Rural	181,494	18.8									
	Urban	18,168	1.9									
	Total	199,662	20.7			M	L			M		
A2 - Stone Wall not packed with mortar	Rural	27,513	2.9									
	Urban	4,503	0.5									
	Total	32,016	3.4			M	L			L		
Total - Category - A		231,678	24.0									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	512,030	53.1									
	Urban	149,603	15.5									
	Total	661,633	68.6			L	VL			L		
Total - Category - B		661,633	68.6									
C1 - Concrete Wall	Rural	11,074	1.1									
	Urban	3,262	0.3									
	Total	14,336	1.4			VL	VL			VL		
C2 - Wood wall	Rural	4,471	0.5									
	Urban	624	0.1									
	Total	5,095	0.6			VL	VL			M		
Total - Category - C		19,431	2.0									
X - Other Materials	Rural	47,583	4.9									
	Urban	4,831	0.5									
	Total	52,414	5.4			VL	VL			M		
Total - Category - X		52,414	5.4									
TOTAL HOUSES*		965,156										

ROOF												
R1 - Light Weight Sloping Roof	Rural	262,137	27.2									
	Urban	50,730	5.3									
	Total	312,867	32.5			L	VL			H		
R2 - Heavy Weight Sloping Roof	Rural	161,945	16.8									
	Urban	23,139	2.4									
	Total	185,084	19.2			L	VL			L		
R3 - Flat Roof	Rural	360,083	37.3									
	Urban	107,122	11.1									
	Total	467,205	48.4	<i>Damage Risk as per that for the Wall supporting it</i>								
TOTAL HOUSES*		965,156										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. **440 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