

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

Table No. : TL 03

TELANGANA

KARIMNAGAR

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												3.9
A1 - Mud & Unburnt Brick Wall	Rural	259,116	24.0									
	Urban	22,580	2.1									
	Total	281,696	26.1					<i>M</i>	<i>L</i>			<i>M</i>
A2 - Stone Wall not packed with mortar	Rural	14,836	1.4									
	Urban	4,804	0.4									
	Total	19,640	1.8					<i>M</i>	<i>L</i>			<i>L</i>
Total - Category - A		301,336	27.9									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	482,990	44.7									
	Urban	229,972	21.3									
	Total	712,962	66.0					<i>L</i>	<i>VL</i>			<i>L</i>
Total - Category - B		712,962	66.0									
C1 - Concrete Wall	Rural	7,678	0.7									
	Urban	4,159	0.4									
	Total	11,837	1.1					<i>VL</i>	<i>VL</i>			<i>VL</i>
C2 - Wood wall	Rural	4,840	0.4									
	Urban	522	-									
	Total	5,362	0.4					<i>VL</i>	<i>VL</i>			<i>M</i>
Total - Category - C		17,199	1.6									
X - Other Materials	Rural	42,830	4.0									
	Urban	5,720	0.5									
	Total	48,550	4.5					<i>VL</i>	<i>VL</i>			<i>M</i>
Total - Category - X		48,550	4.5									
TOTAL HOUSES*		1,080,047										

ROOF												
R1 - Light Weight Sloping Roof	Rural	143,366	13.3									
	Urban	71,834	6.7									
	Total	215,200	20.0					<i>L</i>	<i>VL</i>		<i>H</i>	<i>VH</i>
R2 - Heavy Weight Sloping Roof	Rural	454,876	42.1									
	Urban	44,091	4.1									
	Total	498,967	46.2					<i>L</i>	<i>VL</i>		<i>L</i>	<i>H</i>
R3 - Flat Roof	Rural	214,048	19.8									
	Urban	151,832	14.1									
	Total	365,880	33.9					<i>Damage Risk as per that for the Wall supporting it</i>				
TOTAL HOUSES*		1,080,047										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. 467 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