

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

Table No. : TN 12

State : TAMIL NADU

KARUR

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		99.6	.4		
WALL												
A1 - Mud & Unburnt Brick Wall	Rural	39,919	12.0									
	Urban	11,082	3.3									
	Total	51,001	15.3				L		H	M		
A2 - Stone Wall not packed with mortar	Rural	4,249	1.3									
	Urban	3,320	1.0									
	Total	7,569	2.3				L		M	L		
Total - Category - A		58,570	17.5									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	124,767	37.4									
	Urban	109,192	32.7									
	Total	233,959	70.1				VL		M	L		
Total - Category - B		233,959	70.1									
C1 - Concrete Wall	Rural	6,872	2.1									
	Urban	9,650	2.9									
	Total	16,522	5.0				VL		VL	VL		
C2 - Wood wall	Rural	714	0.2									
	Urban	342	0.1									
	Total	1,056	0.3				VL		H	M		
Total - Category - C		17,578	5.3									
X - Other Materials	Rural	16,871	5.1									
	Urban	6,893	2.1									
	Total	23,764	7.2				VL		H	M		
Total - Category - X		23,764	7.1									
TOTAL HOUSES*		333,871										

ROOF												
R1 - Light Weight Sloping Roof	Rural	53,190	15.9									
	Urban	29,282	8.8									
	Total	82,472	24.7				VL		VH	H		
R2 - Heavy Weight Sloping Roof	Rural	82,025	24.6									
	Urban	37,650	11.3									
	Total	119,675	35.9				VL		M	L		
R3 - Flat Roof	Rural	58,177	17.4									
	Urban	73,547	22.0									
	Total	131,724	39.4	<i>Damage Risk as per that for the Wall supporting it</i>								
TOTAL HOUSES*		333,871										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. **481 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