

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

Table No. : TN 14

State : TAMIL NADU

PERAMBALUR

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	41,614	24.0									
	Urban	5,086	2.9									
	Total	46,700	26.9				L		H			
A2 - Stone Wall not packed with mortar	Rural	3,610	2.1									
	Urban	602	0.3									
	Total	4,212	2.4				L		M			
Total - Category - A		50,912	29.4									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	80,988	46.8									
	Urban	21,585	12.5									
	Total	102,573	59.3				VL		M			
Total - Category - B		102,573	59.3									
C1 - Concrete Wall	Rural	6,174	3.6									
	Urban	1,884	1.1									
	Total	8,058	4.7				VL		VL			
C2 - Wood wall	Rural	373	0.2									
	Urban	36	-									
	Total	409	0.2				VL		H			
Total - Category - C		8,467	4.9									
X - Other Materials	Rural	9,671	5.6									
	Urban	1,479	0.9									
	Total	11,150	6.5				VL		H			
Total - Category - X		11,150	6.4									
TOTAL HOUSES*		173,102										

ROOF												
R1 - Light Weight Sloping Roof	Rural	44,325	25.6									
	Urban	5,643	3.3									
	Total	49,968	28.9				VL		VH			
R2 - Heavy Weight Sloping Roof	Rural	45,403	26.2									
	Urban	6,187	3.6									
	Total	51,590	29.8				VL		M			
R3 - Flat Roof	Rural	52,702	30.4									
	Urban	18,842	10.9									
	Total	71,544	41.3	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		173,102										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. **578 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