

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

Table No. : TN 19

State : TAMIL NADU

THANJAVUR

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								100		100		
A1 - Mud & Unburnt Brick Wall	Rural	153,571	21.7									
	Urban	48,862	6.9									
	Total	202,433	28.6					<i>L</i>		<i>H</i>		
A2 - Stone Wall not packed with mortar	Rural	15,837	2.2									
	Urban	8,233	1.2									
	Total	24,070	3.4					<i>L</i>		<i>M</i>		
Total - Category - A		226,503	32.0									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	199,530	28.2									
	Urban	155,683	22.0									
	Total	355,213	50.2					<i>VL</i>		<i>M</i>		
Total - Category - B		355,213	50.1									
C1 - Concrete Wall	Rural	23,381	3.3									
	Urban	31,951	4.5									
	Total	55,332	7.8					<i>VL</i>		<i>VL</i>		
C2 - Wood wall	Rural	1,455	0.2									
	Urban	604	0.1									
	Total	2,059	0.3					<i>VL</i>		<i>H</i>		
Total - Category - C		57,391	8.1									
X - Other Materials	Rural	58,525	8.3									
	Urban	10,835	1.5									
	Total	69,360	9.8					<i>VL</i>		<i>H</i>		
Total - Category - X		69,360	9.8									
TOTAL HOUSES*		708,467										

ROOF												
R1 - Light Weight Sloping Roof	Rural	202,321	28.6									
	Urban	58,109	8.2									
	Total	260,430	36.8					<i>VL</i>		<i>VH</i>		
R2 - Heavy Weight Sloping Roof	Rural	129,868	18.3									
	Urban	67,875	9.6									
	Total	197,743	27.9					<i>VL</i>		<i>M</i>		
R3 - Flat Roof	Rural	120,110	17.0									
	Urban	130,184	18.4									
	Total	250,294	35.4	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		708,467										

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