

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

**Table No. : TN 07**

**State : TAMIL NADU**

**SALEM**

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 %				
						40.7	59.3		100.0	.0		
WALL												
A1 - Mud & Unburnt Brick Wall	Rural	134,281	12.5									
	Urban	80,336	7.5									
	Total	214,617	20.0			M	L		H	M		
A2 - Stone Wall not packed with mortar	Rural	28,414	2.6									
	Urban	15,051	1.4									
	Total	43,465	4.0			M	L		M	L		
Total - Category - A		258,082	24.0									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	303,596	28.2									
	Urban	390,742	36.3									
	Total	694,338	64.5			L	VL		M	L		
Total - Category - B		694,338	64.5									
C1 - Concrete Wall	Rural	26,244	2.4									
	Urban	47,205	4.4									
	Total	73,449	6.8			VL	VL		VL	VL		
C2 - Wood wall	Rural	1,894	0.2									
	Urban	1,265	0.1									
	Total	3,159	0.3			VL	VL		H	M		
Total - Category - C		76,608	7.1									
X - Other Materials	Rural	30,833	2.9									
	Urban	16,634	1.5									
	Total	47,467	4.4			VL	VL		H	M		
Total - Category - X		47,467	4.4									
TOTAL HOUSES*		1,076,495										

<b>ROOF</b>												
<b>R1 - Light Weight Sloping Roof</b>	Rural	190,739	17.7									
	Urban	81,663	7.6									
	<b>Total</b>	<b>272,402</b>	<b>25.3</b>			L	VL		VH	H		
<b>R2 - Heavy Weight Sloping Roof</b>	Rural	198,116	18.4									
	Urban	214,303	19.9									
	<b>Total</b>	<b>412,419</b>	<b>38.3</b>			L	VL		M	L		
<b>R3 - Flat Roof</b>	Rural	136,407	12.7									
	Urban	255,267	23.7									
	<b>Total</b>	<b>391,674</b>	<b>36.4</b>	<i>Damage Risk as per that for the Wall supporting it</i>								
<b>TOTAL HOUSES*</b>		<b>1,076,495</b>										

**Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. 471 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