

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

Table No. : TN 30

State : TAMIL NADU

KRISHNAGIRI

Wall / Roof		Census Houses		Level of Risk under								
		No. of Houses	%	EQ Zone				Wind Velocity m/s				Flood Prone Area
				V	IV	III	II	55 & 50	47	44 & 39	33	in %
				Area in %				Area in %				in %
WALL						21.9	78.1			20.7	79.3	
A1 - Mud & Unburnt Brick Wall	Rural	145,889	27.5									
	Urban	17,072	3.2									
	Total	162,961	30.7			M	L			M	L	
A2 - Stone Wall not packed with mortar	Rural	9,686	1.8									
	Urban	2,499	0.5									
	Total	12,185	2.3			M	L			L	VL	
Total - Category - A		175,146	33.0									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	204,851	38.6									
	Urban	98,338	18.5									
	Total	303,189	57.1			L	VL			L	VL	
Total - Category - B		303,189	57.2									
C1 - Concrete Wall	Rural	20,079	3.8									
	Urban	8,655	1.6									
	Total	28,734	5.4			VL	VL			VL	VL	
C2 - Wood wall	Rural	1,488	0.3									
	Urban	162	-									
	Total	1,650	0.3			VL	VL			M	L	
Total - Category - C		30,384	5.7									
X - Other Materials	Rural	19,850	3.7									
	Urban	1,827	0.3									
	Total	21,677	4.0			VL	VL			M	L	
Total - Category - X		21,677	4.1									
TOTAL HOUSES*		530,396										

ROOF												
R1 - Light Weight Sloping Roof	Rural	102,508	19.3									
	Urban	16,465	3.1									
	Total	118,973	22.4			L	VL			H	M	
R2 - Heavy Weight Sloping Roof	Rural	179,196	33.8									
	Urban	25,531	4.8									
	Total	204,727	38.6			L	VL			L	VL	
R3 - Flat Roof	Rural	120,139	22.7									
	Urban	86,557	16.3									
	Total	206,696	39.0	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		530,396										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. 452 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