

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

Table No. : TN 29

State : TAMIL NADU

DHARMAPURI

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						50.3	49.7		33.3	61.3	5.4	
A1 - Mud & Unburnt Brick Wall	Rural	137,130	30.5									
	Urban	15,523	3.5									
	Total	152,653	34.0			M	L		H	M	L	
A2 - Stone Wall not packed with mortar	Rural	9,336	2.1									
	Urban	1,593	0.4									
	Total	10,929	2.5			M	L		M	L	VL	
Total - Category - A		163,582	36.4									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	187,747	41.8									
	Urban	59,494	13.2									
	Total	247,241	55.0			L	VL		M	L	VL	
Total - Category - B		247,241	55.0									
C1 - Concrete Wall	Rural	11,301	2.5									
	Urban	3,862	0.9									
	Total	15,163	3.4			VL	VL		VL	VL	VL	
C2 - Wood wall	Rural	1,077	0.2									
	Urban	182	-									
	Total	1,259	0.2			VL	VL		H	M	L	
Total - Category - C		16,422	3.7									
X - Other Materials	Rural	19,980	4.4									
	Urban	2,287	0.5									
	Total	22,267	4.9			VL	VL		H	M	L	
Total - Category - X		22,267	5.0									
TOTAL HOUSES*		449,512										

ROOF												
R1 - Light Weight Sloping Roof	Rural	117,998	26.3									
	Urban	9,116	2.0									
	Total	127,114	28.3			L	VL		VH	H	M	
R2 - Heavy Weight Sloping Roof	Rural	146,887	32.7									
	Urban	27,368	6.1									
	Total	174,255	38.8			L	VL		M	L	VL	
R3 - Flat Roof	Rural	101,686	22.6									
	Urban	46,457	10.3									
	Total	148,143	32.9	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		449,512										

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