

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

Table No. : PY 04

State : PUDUCHERRY

KARAIKAL

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	4,188	6.9									
	Urban	1,068	1.8									
	Total	5,256	8.7				L		H			
A2 - Stone Wall not packed with mortar	Rural	1,442	2.4									
	Urban	768	1.3									
	Total	2,210	3.7				L		M			
Total - Category - A		7,466	12.4									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	20,819	34.5									
	Urban	24,557	40.7									
	Total	45,376	75.2				VL		M			
Total - Category - B		45,376	75.2									
C1 - Concrete Wall	Rural	419	0.7									
	Urban	834	1.4									
	Total	1,253	2.1				VL		VL			
C2 - Wood wall	Rural	92	0.2									
	Urban	32	0.1									
	Total	124	0.3				VL		H			
Total - Category - C		1,377	2.3									
X - Other Materials	Rural	4,405	7.3									
	Urban	1,734	2.9									
	Total	6,139	10.2				VL		H			
Total - Category - X		6,139	10.2									
TOTAL HOUSES*		60,358										

ROOF												
R1 - Light Weight Sloping Roof	Rural	15,103	25.0									
	Urban	7,214	12.0									
	Total	22,317	37.0				VL		VH			
R2 - Heavy Weight Sloping Roof	Rural	3,795	6.3									
	Urban	3,381	5.6									
	Total	7,176	11.9				VL		M			
R3 - Flat Roof	Rural	12,467	20.7									
	Urban	18,398	30.5									
	Total	30,865	51.2	<i>Damage Risk as per that for the Wall supporting it</i>								
TOTAL HOUSES*		60,358										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. **616 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