

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

Table No. : PY 02

State : PUDUCHERRY

PUDUCHERRY

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	11,197	4.2											
	Urban	6,094	2.3											
	Total	17,291	6.5				L	VH						
A2 - Stone Wall not packed with mortar	Rural	1,699	0.6											
	Urban	1,112	0.4											
	Total	2,811	1.0				L	H						
Total - Category - A		20,102	7.6											
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	53,370	20.3											
	Urban	164,548	62.4											
	Total	217,918	82.7				VL	H						
Total - Category - B		217,918	82.7											
C1 - Concrete Wall	Rural	2,671	1.0											
	Urban	3,712	1.4											
	Total	6,383	2.4				VL	L						
C2 - Wood wall	Rural	433	0.2											
	Urban	149	0.1											
	Total	582	0.3				VL	VH						
Total - Category - C		6,965	2.6											
X - Other Materials	Rural	9,645	3.7											
	Urban	8,874	3.4											
	Total	18,519	7.1				VL	VH						
Total - Category - X		18,519	7.0											
TOTAL HOUSES*		263,504												

ROOF												
R1 - Light Weight Sloping Roof	Rural	32,482	12.3									
	Urban	34,174	13.0									
	Total	66,656	25.3				VL	VH				
R2 - Heavy Weight Sloping Roof	Rural	8,658	3.3									
	Urban	12,939	4.9									
	Total	21,597	8.2				VL	H				
R3 - Flat Roof	Rural	37,875	14.4									
	Urban	137,376	52.1									
	Total	175,251	66.5	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		263,504										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. **642 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