

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

Table No. : PY 03

State : PUDUCHERRY

MAHE

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		31.4
WALL												
A1 - Mud & Unburnt Brick Wall	Rural		-									
	Urban	47	0.5									
	Total	47	0.5			M				M		VH
A2 - Stone Wall not packed with mortar	Rural		-									
	Urban	399	3.8									
	Total	399	3.8			M				L		VH
Total - Category - A		446	4.3									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural		-									
	Urban	9,901	94.8									
	Total	9,901	94.8			L				L		H/M
Total - Category - B		9,901	94.8									
C1 - Concrete Wall	Rural		-									
	Urban	13	0.1									
	Total	13	0.1			VL				VL		L/VL
C2 - Wood wall	Rural		-									
	Urban	31	0.3									
	Total	31	0.3			VL				M		H
Total - Category - C		44	0.4									
X - Other Materials	Rural		-									
	Urban	51	0.5									
	Total	51	0.5			VL				M		VH
Total - Category - X		51	0.5									
TOTAL HOUSES*		10,442										

ROOF												
R1 - Light Weight Sloping Roof	Rural		-									
	Urban	299	2.9									
	Total	299	2.9			L				H		VH
R2 - Heavy Weight Sloping Roof	Rural		-									
	Urban	3,044	29.2									
	Total	3,044	29.2			L				L		H
R3 - Flat Roof	Rural		-									
	Urban	7,099	68.0									
	Total	7,099	68.0	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*	10,442											

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. **680 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