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

Table No. : PY 01 **State : PUDUCHERRY** **YANAM**

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				64.9
WALL												
A1 - Mud &	Rural		-									
Unburnt Brick Wall	Urban	462	3.2									
	Total	**462**	**3.2**				L	VH				VH
A2 - Stone Wall	Rural		-									
not packed with mortar	Urban	16	0.1									
	Total	**16**	**0.1**				L	H				VH
Total - Category - A		**478**	**3.3**									
B - Burnt Bricks Wall	Rural		-									
& Stone wall packed	Urban	12,940	89.0									
with mortar	**Total**	**12,940**	**89.0**				VL	H				H/M
Total - Category - B		**12,940**	**89.0**									
C1 - Concrete Wall	Rural		-									
	Urban	31	0.2									
	Total	**31**	**0.2**				VL	L				L/VL
C2 - Wood wall	Rural		-									
	Urban	220	1.5									
	Total	**220**	**1.5**				VL	VH				H
Total - Category - C		**251**	**1.7**									
X - Other Materials	Rural		-									
	Urban	875	6.0									
	Total	**875**	**6.0**				VL	VH				VH
Total - Category - X		**875**	**6.0**									
TOTAL HOUSES*		**14,544**										
ROOF												
R1 - Light Weight Sloping Roof	Rural		-									
	Urban	2,242	15.4									
	Total	**2,242**	**15.4**				VL	VH				VH
R2 - Heavy Weight Sloping Roof	Rural		-									
	Urban	851	5.9									
	Total	**851**	**5.9**				VL	H				H
R3 - Flat Roof	Rural		-									
	Urban	11,451	78.7									
	Total	**11,451**	**78.7**	*Damage Risk as per that for the Wall supporting it*								
TOTAL HOUSES*		**14,544**										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. 808 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 chocked 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