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

PUDUCHERRY

Wall / Roof		Census Houses		Level of Risk under								
		No. of Houses	%	EQ Zone				Wind Velocity m/s				Flood Prone Area in %
				V	IV	III	II	55 & 50	47	44 & 39	33	
				Area in %				Area in %				
STATE - PUDUCHERRY						6.4	93.6	64.3	29.5	6.2		8.7
WALL												
A1 - Mud &	Rural	15,385	4.4									
Unburnt Brick Wall	Urban	7,671	2.2									
	Total	*23,056*	*6.6*			*M*	*L*	*VH*	*H*	*M*		*VH*
A2 - Stone Wall	Rural	3,141	0.9									
not packed with mortar	Urban	2,295	0.7									
	Total	*5,436*	*1.6*			*M*	*L*	*H*	*M*	*L*		*VH*
Total - Category - A		**28,492**	**8.2**									
B - Burnt Bricks Wall	Rural	74,189	21.3									
& Stone wall packed	Urban	211,946	60.8									
with mortar	*Total*	*286,135*	*82.1*			*L*	*VL*	*H*	*M*	*L*		*H/M*
Total - Category - B		**286,135**	**82.0**									
C1 - Concrete Wall	Rural	3,090	0.9									
	Urban	4,590	1.3									
	Total	*7,680*	*2.2*			*VL*	*VL*	*L*	*VL*	*VL*		*L/VL*
C2 - Wood wall	Rural	525	0.2									
	Urban	432	0.1									
	Total	*957*	*0.3*			*VL*	*VL*	*VH*	*H*	*M*		*H*
Total - Category - C		**8,637**	**2.5**									
X - Other Materials	Rural	14,050	4.0									
	Urban	11,534	3.3									
	Total	*25,584*	*7.3*			*VL*	*VL*	*VH*	*H*	*M*		*VH*
Total - Category - X		**25,584**	**7.3**									
TOTAL HOUSES*		**348,848**										
ROOF												
R1 - Light Weight	Rural	47,585	13.6									
Sloping Roof	Urban	43,929	12.6									
	Total	*91,514*	*26.2*			*L*	*VL*	*VH*	*VH*	*H*		*VH*
R2 - Heavy Weight	Rural	12,453	3.6									
Sloping Roof	Urban	20,215	5.8									
	Total	*32,668*	*9.4*			*L*	*VL*	*H*	*M*	*L*		*H*
R3 - Flat Roof	Rural	50,342	14.4									
	Urban	174,324	50.0									
	Total	*224,666*	*64.4*	*Damage Risk as per that for the Wall supporting it*								
TOTAL HOUSES*		**348,848**										

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