

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

Table No. : AP 08

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PRAKASAM

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 %				
WALL													5.2
A1 - Mud & Unburnt Brick Wall	Rural	77,792	7.9										
	Urban	8,495	0.9										
	Total	86,287	8.8					<i>M</i>	<i>L</i>	<i>VH</i>		<i>M</i>	<i>VH</i>
A2 - Stone Wall not packed with mortar	Rural	35,313	3.6										
	Urban	5,733	0.6										
	Total	41,046	4.2					<i>M</i>	<i>L</i>	<i>H</i>		<i>L</i>	<i>VH</i>
Total - Category - A		127,333	12.9										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	600,352	60.9										
	Urban	164,274	16.7										
	Total	764,626	77.6					<i>L</i>	<i>VL</i>	<i>H</i>		<i>L</i>	<i>H/M</i>
Total - Category - B		764,626	77.6										
C1 - Concrete Wall	Rural	6,076	0.6										
	Urban	3,970	0.4										
	Total	10,046	1.0					<i>VL</i>	<i>VL</i>	<i>L</i>		<i>VL</i>	<i>L/VL</i>
C2 - Wood wall	Rural	3,399	0.3										
	Urban	360	-										
	Total	3,759	0.3					<i>VL</i>	<i>VL</i>	<i>VH</i>		<i>M</i>	<i>H</i>
Total - Category - C		13,805	1.4										
X - Other Materials	Rural	70,666	7.2										
	Urban	8,628	0.9										
	Total	79,294	8.1					<i>VL</i>	<i>VL</i>	<i>VH</i>		<i>M</i>	<i>VH</i>
Total - Category - X		79,294	8.0										
TOTAL HOUSES*		985,058											

ROOF													
R1 - Light Weight Sloping Roof	Rural	255,346	25.9										
	Urban	52,607	5.3										
	Total	307,953	31.2					<i>L</i>	<i>VL</i>	<i>VH</i>		<i>H</i>	<i>VH</i>
R2 - Heavy Weight Sloping Roof	Rural	94,104	9.6										
	Urban	17,741	1.8										
	Total	111,845	11.4					<i>L</i>	<i>VL</i>	<i>H</i>		<i>L</i>	<i>H</i>
R3 - Flat Roof	Rural	444,148	45.1										
	Urban	121,112	12.3										
	Total	565,260	57.4					<i>Damage Risk as per that for the Wall supporting it</i>					
TOTAL HOUSES*		985,058											

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. 547 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