

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

Table No. : AP 03

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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 %				
								100	55.6	41.4	3.0	5.8
WALL												
A1 - Mud & Unburnt Brick Wall	Rural	178,071	14.0									
	Urban	31,605	2.5									
	Total	209,676	16.5					<i>L</i>	<i>VH</i>	<i>H</i>	<i>M</i>	<i>VH</i>
A2 - Stone Wall not packed with mortar	Rural	8,525	0.7									
	Urban	13,209	1.0									
	Total	21,734	1.7					<i>L</i>	<i>H</i>	<i>M</i>	<i>L</i>	<i>VH</i>
Total - Category - A		231,410	18.2									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	399,603	31.4									
	Urban	519,299	40.8									
	Total	918,902	72.2					<i>VL</i>	<i>H</i>	<i>M</i>	<i>L</i>	<i>H/M</i>
Total - Category - B		918,902	72.1									
C1 - Concrete Wall	Rural	6,235	0.5									
	Urban	23,841	1.9									
	Total	30,076	2.4					<i>VL</i>	<i>L</i>	<i>VL</i>	<i>VL</i>	<i>L/VL</i>
C2 - Wood wall	Rural	24,816	1.9									
	Urban	2,561	0.2									
	Total	27,377	2.1					<i>VL</i>	<i>VH</i>	<i>H</i>	<i>M</i>	<i>H</i>
Total - Category - C		57,453	4.5									
X - Other Materials	Rural	53,613	4.2									
	Urban	12,747	1.0									
	Total	66,360	5.2					<i>VL</i>	<i>VH</i>	<i>H</i>	<i>M</i>	<i>VH</i>
Total - Category - X		66,360	5.2									
TOTAL HOUSES*		1,274,125										

ROOF												
R1 - Light Weight Sloping Roof	Rural	178,097	14.0									
	Urban	86,682	6.8									
	Total	264,779	20.8					<i>VL</i>	<i>VH</i>	<i>VH</i>	<i>H</i>	<i>VH</i>
R2 - Heavy Weight Sloping Roof	Rural	203,083	15.9									
	Urban	34,385	2.7									
	Total	237,468	18.6					<i>VL</i>	<i>H</i>	<i>M</i>	<i>L</i>	<i>H</i>
R3 - Flat Roof	Rural	289,683	22.7									
	Urban	482,195	37.8									
	Total	771,878	60.5					<i>Damage Risk as per that for the Wall supporting it</i>				
TOTAL HOUSES*		1,274,125										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. 817 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