

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

Table No. : AP 12

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ANANTAPUR

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	.2
WALL												
A1 - Mud & Unburnt Brick Wall	Rural	60,324	5.5									
	Urban	16,896	1.5									
	Total	77,220	7.0					<i>L</i>		<i>M</i>	<i>L</i>	<i>VH</i>
A2 - Stone Wall not packed with mortar	Rural	94,522	8.6									
	Urban	23,351	2.1									
	Total	117,873	10.7					<i>L</i>		<i>L</i>	<i>VL</i>	<i>VH</i>
Total - Category - A		195,093	17.8									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	592,951	54.1									
	Urban	248,286	22.6									
	Total	841,237	76.7					<i>VL</i>		<i>L</i>	<i>VL</i>	<i>H/M</i>
Total - Category - B		841,237	76.7									
C1 - Concrete Wall	Rural	7,634	0.7									
	Urban	7,587	0.7									
	Total	15,221	1.4					<i>VL</i>		<i>VL</i>	<i>VL</i>	<i>L/VL</i>
C2 - Wood wall	Rural	4,717	0.4									
	Urban	1,163	0.1									
	Total	5,880	0.5					<i>VL</i>		<i>M</i>	<i>L</i>	<i>H</i>
Total - Category - C		21,101	1.9									
X - Other Materials	Rural	29,705	2.7									
	Urban	9,126	0.8									
	Total	38,831	3.5					<i>VL</i>		<i>M</i>	<i>L</i>	<i>VH</i>
Total - Category - X		38,831	3.5									
TOTAL HOUSES*		1,096,262										

ROOF												
R1 - Light Weight Sloping Roof	Rural	239,729	21.9									
	Urban	71,789	6.5									
	Total	311,518	28.4					<i>VL</i>		<i>H</i>	<i>M</i>	<i>VH</i>
R2 - Heavy Weight Sloping Roof	Rural	353,670	32.3									
	Urban	74,814	6.8									
	Total	428,484	39.1					<i>VL</i>		<i>L</i>	<i>VL</i>	<i>H</i>
R3 - Flat Roof	Rural	196,454	17.9									
	Urban	159,806	14.6									
	Total	356,260	32.5					<i>Damage Risk as per that for the Wall supporting it</i>				
TOTAL HOUSES*		1,096,262										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. **548 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