

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

Table No. : AP 11

ANDHRA PRADESH

KURNOOL

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 %						.1	
WALL								100			100		
A1 - Mud & Unburnt Brick Wall	Rural	61,269	6.2										
	Urban	14,566	1.5										
	Total	75,835	7.7					<i>L</i>			<i>M</i>	<i>VH</i>	
A2 - Stone Wall not packed with mortar	Rural	142,008	14.4										
	Urban	27,496	2.8										
	Total	169,504	17.2					<i>L</i>			<i>L</i>	<i>VH</i>	
Total - Category - A		245,339	24.8										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	427,267	43.3										
	Urban	216,684	21.9										
	Total	643,951	65.2					<i>VL</i>			<i>L</i>	<i>H/M</i>	
Total - Category - B		643,951	65.2										
C1 - Concrete Wall	Rural	6,760	0.7										
	Urban	6,902	0.7										
	Total	13,662	1.4					<i>VL</i>			<i>VL</i>	<i>L/VL</i>	
C2 - Wood wall	Rural	6,133	0.6										
	Urban	1,956	0.2										
	Total	8,089	0.8					<i>VL</i>			<i>M</i>	<i>H</i>	
Total - Category - C		21,751	2.2										
X - Other Materials	Rural	61,256	6.2										
	Urban	15,246	1.5										
	Total	76,502	7.7					<i>VL</i>			<i>M</i>	<i>VH</i>	
Total - Category - X		76,502	7.7										
TOTAL HOUSES*		987,543											

ROOF													
R1 - Light Weight Sloping Roof	Rural	395,187	40.0										
	Urban	74,020	7.5										
	Total	469,207	47.5					<i>VL</i>			<i>H</i>	<i>VH</i>	
R2 - Heavy Weight Sloping Roof	Rural	63,514	6.4										
	Urban	21,866	2.2										
	Total	85,380	8.6					<i>VL</i>			<i>L</i>	<i>H</i>	
R3 - Flat Roof	Rural	245,992	24.9										
	Urban	186,964	18.9										
	Total	432,956	43.8					<i>Damage Risk as per that for the Wall supporting it</i>					
TOTAL HOUSES*		987,543											

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. 414 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