

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

Table No. : RJ 21

State : RAJASTHAN

AJMER

Wall / Roof		Census Houses		Level of Risk under									Flood Pron e Area
		No. of Houses	%	EQ Zone				Wind Velocity m/s					
				V	IV	III	II	55 & 50	47	44 & 39	33		
				Area in %				Area in %					
WALL								100		100			
A1 - Mud & Unburnt Brick Wall	Rural	62,525	10.3										
	Urban	3,550	0.6										
	Total	66,075	10.9					<i>L</i>		<i>H</i>			
A2 - Stone Wall not packed with mortar	Rural	40,397	6.6										
	Urban	22,055	3.6										
	Total	62,452	10.2					<i>L</i>		<i>M</i>			
Total - Category - A		128,527	21.2										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	253,882	41.8										
	Urban	213,111	35.1										
	Total	466,993	76.9					<i>VL</i>		<i>M</i>			
Total - Category - B		466,993	76.8										
C1 - Concrete Wall	Rural	502	0.1										
	Urban	1,815	0.3										
	Total	2,317	0.4					<i>VL</i>		<i>VL</i>			
C2 - Wood wall	Rural	969	0.2										
	Urban	837	0.1										
	Total	1,806	0.3					<i>VL</i>		<i>H</i>			
Total - Category - C		4,123	0.7										
X - Other Materials	Rural	5,947	1.0										
	Urban	2,084	0.3										
	Total	8,031	1.3					<i>VL</i>		<i>H</i>			
Total - Category - X		8,031	1.3										
TOTAL HOUSES*		607,674											

ROOF													
R1 - Light Weight Sloping Roof	Rural	65,279	10.7										
	Urban	11,519	1.9										
	Total	76,798	12.6					<i>VL</i>		<i>VH</i>			
R2 - Heavy Weight Sloping Roof	Rural	280,070	46.1										
	Urban	187,301	30.8										
	Total	467,371	76.9					<i>VL</i>		<i>M</i>			
R3 - Flat Roof	Rural	18,873	3.1										
	Urban	44,632	7.3										
	Total	63,505	10.4	<i>Damage Risk as per that for the Wall supporting it</i>									
TOTAL HOUSES*		607,674											

Probable Maximum Precipitation at a Station of the district in 24 hrs is 683 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