

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

Table No. : RJ 16

State : RAJASTHAN

JAISALMER

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 %					
					81.9	18.1			100				
WALL													
A1 - Mud & Unburnt Brick Wall	Rural	42,058	28.1										
	Urban	1,054	0.7										
	Total	43,112	28.8					<i>M</i>	<i>L</i>		<i>H</i>		
A2 - Stone Wall not packed with mortar	Rural	9,693	6.5										
	Urban	2,755	1.8										
	Total	12,448	8.3					<i>M</i>	<i>L</i>		<i>M</i>		
Total - Category - A		55,560	37.2										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	62,632	41.9										
	Urban	17,595	11.8										
	Total	80,227	53.7					<i>L</i>	<i>VL</i>		<i>M</i>		
Total - Category - B		80,227	53.7										
C1 - Concrete Wall	Rural	209	0.1										
	Urban	16	-										
	Total	225	0.1					<i>VL</i>	<i>VL</i>		<i>VL</i>		
C2 - Wood wall	Rural	1,141	0.8										
	Urban	100	0.1										
	Total	1,241	0.9					<i>VL</i>	<i>VL</i>		<i>H</i>		
Total - Category - C		1,466	1.0										
X - Other Materials	Rural	11,615	7.8										
	Urban	589	0.4										
	Total	12,204	8.2					<i>VL</i>	<i>VL</i>		<i>H</i>		
Total - Category - X		12,204	8.2										
TOTAL HOUSES*		149,457											

ROOF													
R1 - Light Weight Sloping Roof	Rural	64,212	43.0										
	Urban	4,772	3.2										
	Total	68,984	46.2					<i>L</i>	<i>VL</i>		<i>VH</i>		
R2 - Heavy Weight Sloping Roof	Rural	46,292	31.0										
	Urban	15,052	10.1										
	Total	61,344	41.1					<i>L</i>	<i>VL</i>		<i>M</i>		
R3 - Flat Roof	Rural	16,844	11.3										
	Urban	2,285	1.5										
	Total	19,129	12.8	Damage Risk as per that for the Wall supporting it									
TOTAL HOUSES*		149,457											

Probable Maximum Precipitation at a Station of the district in 24 hrs is 280 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