

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

**Table No. : RJ 31**

**State : RAJASTHAN**

**JHALAWAR**

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 %				
							100		100			
WALL												
A1 - Mud & Unburnt Brick Wall	Rural	122,337	35.8									
	Urban	5,606	1.6									
	Total	127,943	37.4				L		H			
A2 - Stone Wall not packed with mortar	Rural	21,940	6.4									
	Urban	8,275	2.4									
	Total	30,215	8.8				L		M			
Total - Category - A		158,158	46.3									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	131,230	38.4									
	Urban	41,670	12.2									
	Total	172,900	50.6				VL		M			
Total - Category - B		172,900	50.6									
C1 - Concrete Wall	Rural	555	0.2									
	Urban	516	0.2									
	Total	1,071	0.4				VL		VL			
C2 - Wood wall	Rural	1,134	0.3									
	Urban	261	0.1									
	Total	1,395	0.4				VL		H			
Total - Category - C		2,466	0.7									
X - Other Materials	Rural	6,980	2.0									
	Urban	940	0.3									
	Total	7,920	2.3				VL		H			
Total - Category - X		7,920	2.3									
TOTAL HOUSES*		341,444										

ROOF												
R1 - Light Weight Sloping Roof	Rural	53,592	15.7									
	Urban	6,315	1.8									
	Total	59,907	17.5				VL		VH			
R2 - Heavy Weight Sloping Roof	Rural	219,524	64.3									
	Urban	39,560	11.6									
	Total	259,084	75.9				VL		M			
R3 - Flat Roof	Rural	11,060	3.2									
	Urban	11,393	3.3									
	Total	22,453	6.5	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		341,444										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. **600 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