

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

**Table No. : RJ 08**

**State : RAJASTHAN**

**DHAULPUR**

Wall / Roof		Census Houses		Level of Risk under								Flood Prone 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	26,250	10.2									
	Urban	3,257	1.3									
	Total	29,507	11.5				L		H			
A2 - Stone Wall not packed with mortar	Rural	23,858	9.2									
	Urban	2,918	1.1									
	Total	26,776	10.3				L		M			
Total - Category - A		56,283	21.8									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	146,464	56.6									
	Urban	44,565	17.2									
	Total	191,029	73.8				VL		M			
Total - Category - B		191,029	73.9									
C1 - Concrete Wall	Rural	287	0.1									
	Urban	160	0.1									
	Total	447	0.2				VL		VL			
C2 - Wood wall	Rural	967	0.4									
	Urban	218	0.1									
	Total	1,185	0.5				VL		H			
Total - Category - C		1,632	0.6									
X - Other Materials	Rural	7,530	2.9									
	Urban	2,134	0.8									
	Total	9,664	3.7				VL		H			
Total - Category - X		9,664	3.7									
TOTAL HOUSES*		258,608										

ROOF												
R1 - Light Weight Sloping Roof	Rural	42,162	16.3									
	Urban	4,941	1.9									
	Total	47,103	18.2				VL		VH			
R2 - Heavy Weight Sloping Roof	Rural	151,002	58.4									
	Urban	43,065	16.7									
	Total	194,067	75.1				VL		M			
R3 - Flat Roof	Rural	12,192	4.7									
	Urban	5,246	2.0									
	Total	17,438	6.7	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		258,608										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. **745 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