

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

**Table No. : RJ 11**

**State : RAJASTHAN**

**DAUSA**

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 %				
						20.4	79.6		100			
WALL												
A1 - Mud & Unburnt Brick Wall	Rural	44,021	11.3									
	Urban	1,110	0.3									
	Total	45,131	11.6			M	L		H			
A2 - Stone Wall not packed with mortar	Rural	33,336	8.6									
	Urban	3,330	0.9									
	Total	36,666	9.5			M	L		M			
Total - Category - A		81,797	21.0									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	242,636	62.4									
	Urban	45,630	11.7									
	Total	288,266	74.1			L	VL		M			
Total - Category - B		288,266	74.2									
C1 - Concrete Wall	Rural	417	0.1									
	Urban	151	-									
	Total	568	0.1			VL	VL		VL			
C2 - Wood wall	Rural	1,034	0.3									
	Urban	134	-									
	Total	1,168	0.3			VL	VL		H			
Total - Category - C		1,736	0.4									
X - Other Materials	Rural	16,387	4.2									
	Urban	557	0.1									
	Total	16,944	4.3			VL	VL		H			
Total - Category - X		16,944	4.4									
TOTAL HOUSES*		388,743										

ROOF												
R1 - Light Weight Sloping Roof	Rural	50,889	13.1									
	Urban	2,295	0.6									
	Total	53,184	13.7			L	VL		VH			
R2 - Heavy Weight Sloping Roof	Rural	244,650	62.9									
	Urban	31,702	8.2									
	Total	276,352	71.1			L	VL		M			
R3 - Flat Roof	Rural	42,292	10.9									
	Urban	16,915	4.4									
	Total	59,207	15.3	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		388,743										

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