

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

**Table No. : RJ 33**

**State : RAJASTHAN**

**PRATAPGARH**

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		97.2	2.8			
WALL													
A1 - Mud & Unburnt Brick Wall	Rural	133,871	61.0										
	Urban	2,236	1.0										
	Total	136,107	62.0				L		H	M			
A2 - Stone Wall not packed with mortar	Rural	5,523	2.5										
	Urban	1,268	0.6										
	Total	6,791	3.1				L		M	L			
Total - Category - A		142,898	65.2										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	55,041	25.1										
	Urban	16,227	7.4										
	Total	71,268	32.5				VL		M	L			
Total - Category - B		71,268	32.5										
C1 - Concrete Wall	Rural	283	0.1										
	Urban	337	0.2										
	Total	620	0.3				VL		VL	VL			
C2 - Wood wall	Rural	542	0.2										
	Urban	64	-										
	Total	606	0.2				VL		H	M			
Total - Category - C		1,226	0.6										
X - Other Materials	Rural	3,610	1.6										
	Urban	305	0.1										
	Total	3,915	1.7				VL		H	M			
Total - Category - X		3,915	1.8										
TOTAL HOUSES*		219,307											

ROOF													
R1 - Light Weight Sloping Roof	Rural	35,061	16.0										
	Urban	3,602	1.6										
	Total	38,663	17.6				VL		VH	H			
R2 - Heavy Weight Sloping Roof	Rural	154,735	70.6										
	Urban	11,137	5.1										
	Total	165,872	75.7				VL		M	L			
R3 - Flat Roof	Rural	9,074	4.1										
	Urban	5,698	2.6										
	Total	14,772	6.7	Damage Risk as per that for the Wall supporting it									
TOTAL HOUSES*		219,307											

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. **421 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