

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

Table No. : RJ 15

State : RAJASTHAN

JODHPUR

Wall / Roof		Census Houses		Level of Risk under									
		No. of Houses	%	EQ Zone				Wind Velocity m/s				Flood Pron e Area	
				V	IV	III	II	55 & 50	47	44 & 39	33		
				Area in %				Area in %					
						3.8	96.2		100				
WALL													
A1 - Mud & Unburnt Brick Wall	Rural	69,795	9.0										
	Urban	2,825	0.4										
	Total	72,620	9.4			M	L		H				
A2 - Stone Wall not packed with mortar	Rural	67,916	8.8										
	Urban	29,277	3.8										
	Total	97,193	12.6			M	L		M				
Total - Category - A		169,813	22.0										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	337,720	43.7										
	Urban	226,799	29.3										
	Total	564,519	73.0			L	VL		M				
Total - Category - B		564,519	73.0										
C1 - Concrete Wall	Rural	508	0.1										
	Urban	1,808	0.2										
	Total	2,316	0.3			VL	VL		VL				
C2 - Wood wall	Rural	4,254	0.6										
	Urban	1,539	0.2										
	Total	5,793	0.8			VL	VL		H				
Total - Category - C		8,109	1.0										
X - Other Materials	Rural	28,100	3.6										
	Urban	2,721	0.4										
	Total	30,821	4.0			VL	VL		H				
Total - Category - X		30,821	4.0										
TOTAL HOUSES*		773,262											

ROOF												
R1 - Light Weight Sloping Roof	Rural	150,155	19.4									
	Urban	12,218	1.6									
	Total	162,373	21.0			L	VL		VH			
R2 - Heavy Weight Sloping Roof	Rural	326,710	42.3									
	Urban	220,116	28.5									
	Total	546,826	70.8			L	VL		M			
R3 - Flat Roof	Rural	31,428	4.1									
	Urban	32,635	4.2									
	Total	64,063	8.3	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		773,262										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. **485 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