

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

Table No. : RJ 12

State : RAJASTHAN

JAIPUR

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 %				
						10.2	89.8		100			
WALL												
A1 - Mud & Unburnt Brick Wall	Rural	86,455	5.7									
	Urban	18,966	1.3									
	Total	105,421	7.0			M	L		H			
A2 - Stone Wall not packed with mortar	Rural	50,643	3.3									
	Urban	29,038	1.9									
	Total	79,681	5.2			M	L		M			
Total - Category - A		185,102	12.2									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	519,834	34.3									
	Urban	754,500	49.8									
	Total	1,274,334	84.1			L	VL		M			
Total - Category - B		1,274,334	84.0									
C1 - Concrete Wall	Rural	2,750	0.2									
	Urban	15,325	1.0									
	Total	18,075	1.2			VL	VL		VL			
C2 - Wood wall	Rural	2,127	0.1									
	Urban	1,616	0.1									
	Total	3,743	0.2			VL	VL		H			
Total - Category - C		21,818	1.4									
X - Other Materials	Rural	21,668	1.4									
	Urban	13,380	0.9									
	Total	35,048	2.3			VL	VL		H			
Total - Category - X		35,048	2.3									
TOTAL HOUSES*		1,516,302										

ROOF												
R1 - Light Weight Sloping Roof	Rural	158,488	10.5									
	Urban	91,565	6.0									
	Total	250,053	16.5			L	VL		VH			
R2 - Heavy Weight Sloping Roof	Rural	407,568	26.9									
	Urban	262,232	17.3									
	Total	669,800	44.2			L	VL		M			
R3 - Flat Roof	Rural	117,421	7.7									
	Urban	479,028	31.6									
	Total	596,449	39.3	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		1,516,302										

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