

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

Table No. : RJ 10

State : RAJASTHAN

SAWAI MADHOPUR

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		100			
WALL												
A1 - Mud & Unburnt Brick Wall	Rural	75,461	23.1									
	Urban	3,249	1.0									
	Total	78,710	24.1				L		H			
A2 - Stone Wall not packed with mortar	Rural	28,321	8.7									
	Urban	5,386	1.7									
	Total	33,707	10.4				L		M			
Total - Category - A		112,417	34.5									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	151,998	46.6									
	Urban	51,381	15.8									
	Total	203,379	62.4				VL		M			
Total - Category - B		203,379	62.4									
C1 - Concrete Wall	Rural	552	0.2									
	Urban	575	0.2									
	Total	1,127	0.4				VL		VL			
C2 - Wood wall	Rural	574	0.2									
	Urban	352	0.1									
	Total	926	0.3				VL		H			
Total - Category - C		2,053	0.6									
X - Other Materials	Rural	7,154	2.2									
	Urban	1,046	0.3									
	Total	8,200	2.5				VL		H			
Total - Category - X		8,200	2.5									
TOTAL HOUSES*		326,049										

ROOF												
R1 - Light Weight Sloping Roof	Rural	47,874	14.7									
	Urban	4,907	1.5									
	Total	52,781	16.2				VL		VH			
R2 - Heavy Weight Sloping Roof	Rural	193,063	59.2									
	Urban	41,574	12.8									
	Total	234,637	72.0				VL		M			
R3 - Flat Roof	Rural	23,123	7.1									
	Urban	15,508	4.8									
	Total	38,631	11.9	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		326,049										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. **669 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