

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

Table No. : RJ 14

State : RAJASTHAN

NAGAUR

Wall / Roof		Census Houses		Level of Risk under								
		No. of Houses	%	EQ Zone				Wind Velocity m/s				
				V	IV	III	II	55 & 50	47	44 & 39	33	Flood Pron e Area
				Area in %				Area in %				
WALL								100		100		
A1 - Mud & Unburnt Brick Wall	Rural	35,238	4.8									
	Urban	2,088	0.3									
	Total	37,326	5.1					<i>L</i>		<i>H</i>		
A2 - Stone Wall not packed with mortar	Rural	33,298	4.5									
	Urban	7,696	1.0									
	Total	40,994	5.5					<i>L</i>		<i>M</i>		
Total - Category - A		78,320	10.6									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	492,773	66.5									
	Urban	128,176	17.3									
	Total	620,949	83.8					<i>VL</i>		<i>M</i>		
Total - Category - B		620,949	83.8									
C1 - Concrete Wall	Rural	581	0.1									
	Urban	671	0.1									
	Total	1,252	0.2					<i>VL</i>		<i>VL</i>		
C2 - Wood wall	Rural	2,915	0.4									
	Urban	722	0.1									
	Total	3,637	0.5					<i>VL</i>		<i>H</i>		
Total - Category - C		4,889	0.7									
X - Other Materials	Rural	34,403	4.6									
	Urban	2,622	0.4									
	Total	37,025	5.0					<i>VL</i>		<i>H</i>		
Total - Category - X		37,025	5.0									
TOTAL HOUSES*		741,183										

ROOF												
R1 - Light Weight Sloping Roof	Rural	101,711	13.7									
	Urban	7,869	1.1									
	Total	109,580	14.8					<i>VL</i>		<i>VH</i>		
R2 - Heavy Weight Sloping Roof	Rural	467,160	63.0									
	Urban	124,856	16.8									
	Total	592,016	79.8					<i>VL</i>		<i>M</i>		
R3 - Flat Roof	Rural	30,337	4.1									
	Urban	9,250	1.2									
	Total	39,587	5.3	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		741,183										

Probable Maximum Precipitation at a Station of the district in 24 hrs is 440 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