

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

Table No. : JK 17

State : JAMMU & KASHMIR

RAMBAN

Wall / Roof		Census Houses		Level of Risk under									
		No. of Houses	%	EQ Zone				Wind Velocity m/s				Flood Prone Area in %	
				V	IV	III	II	55 & 50	47	44 & 39	33		
				Area in %				Area in %					
					100						100		
WALL													
A1 - Mud & Unburnt Brick Wall	Rural	6,849	8.9										
	Urban	245	0.3										
	Total	7,094	9.2		H					M			
A2 - Stone Wall not packed with mortar	Rural	44,859	58.2										
	Urban	375	0.5										
	Total	45,234	58.7		H					L			
Total - Category - A		52,328	67.9										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	19,944	25.9										
	Urban	3,204	4.2										
	Total	23,148	30.1		M					L			
Total - Category - B		23,148	30.0										
C1 - Concrete Wall	Rural	350	0.5										
	Urban	19	-										
	Total	369	0.5		L					VL			
C2 - Wood wall	Rural	388	0.5										
	Urban	112	0.1										
	Total	500	0.6		L					M			
Total - Category - C		869	1.1										
X - Other Materials	Rural	705	0.9										
	Urban	58	0.1										
	Total	763	1.0		VL					M			
Total - Category - X		763	1.0										
TOTAL HOUSES*		77,108											

ROOF												
R1 - Light Weight Sloping Roof	Rural	67,563	87.6									
	Urban	1,854	2.4									
	Total	69,417	90.0		<i>M</i>					<i>H</i>		
R2 - Heavy Weight Sloping Roof	Rural	1,734	2.2									
	Urban	41	0.1									
	Total	1,775	2.3		<i>M</i>					<i>L</i>		
R3 - Flat Roof	Rural	3,798	4.9									
	Urban	2,118	2.7									
	Total	5,916	7.6									
				<i>Damage Risk as per that for the Wall supporting it</i>								
TOTAL HOUSES*		77,108										

Probable Maximum Precipitation at a Station of the district in 24 hrs is 400 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