

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

Table No. : JK 13

State : JAMMU & KASHMIR

SHUPIYAN

Wall / Roof	Census Houses	Level of Risk under		Flood Prone Area in %					
		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	23,315	31.1						
	Urban	714	1.0						
	Total	24,029	32.1		<i>H</i>				<i>M</i>
A2 - Stone Wall not packed with mortar	Rural	954	1.3						
	Urban	17	-						
	Total	971	1.3		<i>H</i>				<i>L</i>
Total - Category - A		25,000	33.3						
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	39,013	52.0						
	Urban	3,696	4.9						
	Total	42,709	56.9		<i>M</i>				<i>L</i>
Total - Category - B		42,709	57.0						
C1 - Concrete Wall	Rural	2,006	2.7						
	Urban	169	0.2						
	Total	2,175	2.9		<i>L</i>				<i>VL</i>
C2 - Wood wall	Rural	2,743	3.7						
	Urban	25	-						
	Total	2,768	3.7		<i>L</i>				<i>M</i>
Total - Category - C		4,943	6.6						
X - Other Materials	Rural	2,256	3.0						
	Urban	61	0.1						
	Total	2,317	3.1		<i>VL</i>				<i>M</i>
Total - Category - X		2,317	3.1						
TOTAL HOUSES*		74,969							

ROOF									
R1 - Light Weight Sloping Roof	Rural	61,632	82.2						
	Urban	3,365	4.5						
	Total	64,997	86.7		<i>M</i>				<i>H</i>
R2 - Heavy Weight Sloping Roof	Rural	2,727	3.6						
	Urban	95	0.1						
	Total	2,822	3.7		<i>M</i>				<i>L</i>
R3 - Flat Roof	Rural	5,928	7.9						
	Urban	1,222	1.6						
	Total	7,150	9.5		<i>Damage Risk as per that for the Wall supporting it</i>				
TOTAL HOUSES*		74,969							

Probable Maximum Precipitation at a Station of the district in 24 hrs is 360 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