

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

Table No. : JK 01

State : JAMMU & KASHMIR

KUPWARA

Wall / Roof		Census Houses		Level of Risk under									Flood Prone Area in %
		No. of Houses	%	EQ Zone				Wind Velocity m/s					
				V	IV	III	II	55 & 50	47	44 & 39	33		
				Area in %				Area in %					
				86.9	13.1					100			
WALL													
A1 - Mud & Unburnt Brick Wall	Rural	24,024	13.9										
	Urban	3,126	1.8										
	Total	27,150	15.7	VH	H						M		
A2 - Stone Wall not packed with mortar	Rural	9,915	5.7										
	Urban	1,809	1.0										
	Total	11,724	6.7	VH	H						L		
Total - Category - A		38,874	22.4										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	60,972	35.2										
	Urban	13,970	8.1										
	Total	74,942	43.3	H	M						L		
Total - Category - B		74,942	43.2										
C1 - Concrete Wall	Rural	1,969	1.1										
	Urban	199	0.1										
	Total	2,168	1.2	M	L						VL		
C2 - Wood wall	Rural	49,970	28.8										
	Urban	1,913	1.1										
	Total	51,883	29.9	M	L						M		
Total - Category - C		54,051	31.2										
X - Other Materials	Rural	4,785	2.8										
	Urban	641	0.4										
	Total	5,426	3.2	M	VL						M		
Total - Category - X		5,426	3.1										
TOTAL HOUSES*		173,293											

ROOF													
R1 - Light Weight Sloping Roof	Rural	147,384	85.0										
	Urban	19,646	11.3										
	Total	167,030	96.3	M	M						H		
R2 - Heavy Weight Sloping Roof	Rural	2,434	1.4										
	Urban	287	0.2										
	Total	2,721	1.6	H	M						L		
R3 - Flat Roof	Rural	1,817	1.0										
	Urban	1,725	1.0										
	Total	3,542	2.0	Damage Risk as per that for the Wall supporting it									
TOTAL HOUSES*		173,293											

Probable Maximum Precipitation at a Station of the district in 24 hrs is 280 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