

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

Table No. : JK 15

State : JAMMU & KASHMIR

KULGAM

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 %					
				100				100		100			
WALL													
A1 - Mud & Unburnt Brick Wall	Rural	39,388	34.7										
	Urban	7,402	6.5										
	Total	46,790	41.2				<i>H</i>				<i>M</i>		
A2 - Stone Wall not packed with mortar	Rural	809	0.7										
	Urban	111	0.1										
	Total	920	0.8				<i>H</i>				<i>L</i>		
Total - Category - A		47,710	42.0										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	37,785	33.3										
	Urban	11,685	10.3										
	Total	49,470	43.6				<i>M</i>				<i>L</i>		
Total - Category - B		49,470	43.6										
C1 - Concrete Wall	Rural	2,098	1.8										
	Urban	1,816	1.6										
	Total	3,914	3.4				<i>L</i>				<i>VL</i>		
C2 - Wood wall	Rural	8,061	7.1										
	Urban	1,611	1.4										
	Total	9,672	8.5				<i>L</i>				<i>M</i>		
Total - Category - C		13,586	12.0										
X - Other Materials	Rural	1,956	1.7										
	Urban	802	0.7										
	Total	2,758	2.4				<i>VL</i>				<i>M</i>		
Total - Category - X		2,758	2.4										
TOTAL HOUSES*				113,524									

ROOF													
R1 - Light Weight Sloping Roof		Rural	82,473	72.6									
		Urban	19,319	17.0									
		Total	101,792	89.6			<i>M</i>				<i>H</i>		
R2 - Heavy Weight Sloping Roof		Rural	2,914	2.6									
		Urban	811	0.7									
		Total	3,725	3.3			<i>M</i>				<i>L</i>		
R3 - Flat Roof		Rural	4,710	4.1									
		Urban	3,297	2.9									
		Total	8,007	7.0	<i>Damage Risk as per that for the Wall supporting it</i>								
TOTAL HOUSES*				113,524									

Probable Maximum Precipitation at a Station of the district in 24 hrs is 520 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