

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

Table No. : JK 03

State : JAMMU & KASHMIR

LEH(LADAKH)

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				98.9		1.1				
WALL														
A1 - Mud & Unburnt Brick Wall	Rural	16,167	39.0											
	Urban	10,568	25.5											
	Total	26,735	64.5		H			VH		M				
A2 - Stone Wall not packed with mortar	Rural	7,963	19.2											
	Urban	787	1.9											
	Total	8,750	21.1		H			H		L				
Total - Category - A		35,485	85.7											
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	4,051	9.8											
	Urban	494	1.2											
	Total	4,545	11.0		M			H		L				
Total - Category - B		4,545	11.0											
C1 - Concrete Wall	Rural	107	0.3											
	Urban	165	0.4											
	Total	272	0.7		L			L		VL				
C2 - Wood wall	Rural	156	0.4											
	Urban	123	0.3											
	Total	279	0.7		L			VH		M				
Total - Category - C		551	1.3											
X - Other Materials	Rural	583	1.4											
	Urban	247	0.6											
	Total	830	2.0		VL			VH		M				
Total - Category - X		830	2.0											
TOTAL HOUSES*		41,411												

ROOF													
R1 - Light Weight Sloping Roof	Rural	28,426	68.6										
	Urban	9,510	23.0										
	Total	37,936	91.6		M			VH		H			
R2 - Heavy Weight Sloping Roof	Rural	291	0.7										
	Urban	711	1.7										
	Total	1,002	2.4		M			H		L			
R3 - Flat Roof	Rural	310	0.7										
	Urban	2,163	5.2										
	Total	2,473	5.9	<i>Damage Risk as per that for the Wall supporting it</i>									
TOTAL HOUSES*		41,411											

Probable Maximum Precipitation at a Station of the district in 24 hrs is 160 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