

## 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									
		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				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											

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

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