

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

Table No. : JK 19

State : JAMMU & KASHMIR

UDHAMPUR

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		
WALL													
A1 - Mud & Unburnt Brick Wall	Rural	34,397	21.7										
	Urban	1,733	1.1										
	Total	36,130	22.8		H					M			
A2 - Stone Wall not packed with mortar	Rural	28,722	18.2										
	Urban	493	0.3										
	Total	29,215	18.5		H					L			
Total - Category - A		65,345	41.3										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	65,743	41.6										
	Urban	24,044	15.2										
	Total	89,787	56.8		M					L			
Total - Category - B		89,787	56.8										
C1 - Concrete Wall	Rural	641	0.4										
	Urban	406	0.3										
	Total	1,047	0.7		L					VL			
C2 - Wood wall	Rural	549	0.3										
	Urban	24	-										
	Total	573	0.3		L					M			
Total - Category - C		1,620	1.0										
X - Other Materials	Rural	1,187	0.8										
	Urban	222	0.1										
	Total	1,409	0.9		VL					M			
Total - Category - X		1,409	0.9										
TOTAL HOUSES*		158,161											

ROOF												
R1 - Light Weight Sloping Roof	Rural	109,900	69.5									
	Urban	4,916	3.1									
	Total	114,816	72.6		M					H		
R2 - Heavy Weight Sloping Roof	Rural	1,236	0.8									
	Urban	448	0.3									
	Total	1,684	1.1		M					L		
R3 - Flat Roof	Rural	20,103	12.7									
	Urban	21,558	13.6									
	Total	41,661	26.3	<i>Damage Risk as per that for the Wall supporting it</i>								
TOTAL HOUSES*		158,161										

Probable Maximum Precipitation at a Station of the district in 24 hrs is 400 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