

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

Table No. : JK 20

State : JAMMU & KASHMIR

REASI

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	15,284	16.3										
	Urban	606	0.6										
	Total	15,890	16.9		H					M			
A2 - Stone Wall not packed with mortar	Rural	35,155	37.4										
	Urban	213	0.2										
	Total	35,368	37.6		H					L			
Total - Category - A		51,258	54.5										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	32,010	34.0										
	Urban	8,194	8.7										
	Total	40,204	42.7		M					L			
Total - Category - B		40,204	42.8										
C1 - Concrete Wall	Rural	958	1.0										
	Urban	341	0.4										
	Total	1,299	1.4		L					VL			
C2 - Wood wall	Rural	95	0.1										
	Urban	13	-										
	Total	108	0.1		L					M			
Total - Category - C		1,407	1.5										
X - Other Materials	Rural	807	0.9										
	Urban	356	0.4										
	Total	1,163	1.3		VL					M			
Total - Category - X		1,163	1.2										
TOTAL HOUSES*		94,032											

ROOF												
R1 - Light Weight Sloping Roof	Rural	72,227	76.8									
	Urban	2,927	3.1									
	Total	75,154	79.9		M					H		
R2 - Heavy Weight Sloping Roof	Rural	615	0.7									
	Urban	100	0.1									
	Total	715	0.8		M					L		
R3 - Flat Roof	Rural	11,467	12.2									
	Urban	6,696	7.1									
	Total	18,163	19.3	<i>Damage Risk as per that for the Wall supporting it</i>								
TOTAL HOUSES*		94,032										

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