

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

Table No. : JK 07

State : JAMMU & KASHMIR

KATHUA

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 %				
				14.7	85.3					100		
WALL												
A1 - Mud & Unburnt Brick Wall	Rural	35,228	18.0									
	Urban	1,338	0.7									
	Total	36,566	18.7	VH	H					M		
A2 - Stone Wall not packed with mortar	Rural	28,567	14.6									
	Urban	114	0.1									
	Total	28,681	14.7	VH	H					L		
Total - Category - A		65,247	33.3									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	99,835	50.9									
	Urban	25,716	13.1									
	Total	125,551	64.0	H	M					L		
Total - Category - B		125,551	64.0									
C1 - Concrete Wall	Rural	774	0.4									
	Urban	200	0.1									
	Total	974	0.5	M	L					VL		
C2 - Wood wall	Rural	392	0.2									
	Urban	93	-									
	Total	485	0.2	M	L					M		
Total - Category - C		1,459	0.7									
X - Other Materials	Rural	3,549	1.8									
	Urban	300	0.2									
	Total	3,849	2.0	M	VL					M		
Total - Category - X		3,849	2.0									
TOTAL HOUSES*		196,106										

ROOF												
R1 - Light Weight Sloping Roof	Rural	97,133	49.5									
	Urban	4,269	2.2									
	Total	101,402	51.7	<i>M</i>	<i>M</i>					<i>H</i>		
R2 - Heavy Weight Sloping Roof	Rural	3,256	1.7									
	Urban	273	0.1									
	Total	3,529	1.8	<i>H</i>	<i>M</i>					<i>L</i>		
R3 - Flat Roof	Rural	67,956	34.7									
	Urban	23,219	11.8									
	Total	91,175	46.5	<i>Damage Risk as per that for the Wall supporting it</i>								
TOTAL HOUSES*		196,106										

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