

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

Table No. : JK 05

State : JAMMU & KASHMIR

PUNCH

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	3,591	2.7										
	Urban	633	0.5										
	Total	4,224	3.2				<i>H</i>				<i>M</i>		
A2 - Stone Wall not packed with mortar	Rural	78,221	59.4										
	Urban	1,714	1.3										
	Total	79,935	60.7				<i>H</i>				<i>L</i>		
Total - Category - A		84,159	63.9										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	35,660	27.1										
	Urban	9,834	7.5										
	Total	45,494	34.6				<i>M</i>				<i>L</i>		
Total - Category - B		45,494	34.5										
C1 - Concrete Wall	Rural	1,131	0.9										
	Urban	37	-										
	Total	1,168	0.9				<i>L</i>				<i>VL</i>		
C2 - Wood wall	Rural	285	0.2										
	Urban	36	-										
	Total	321	0.2				<i>L</i>				<i>M</i>		
Total - Category - C		1,489	1.1										
X - Other Materials	Rural	413	0.3										
	Urban	135	0.1										
	Total	548	0.4				<i>VL</i>				<i>M</i>		
Total - Category - X		548	0.4										
TOTAL HOUSES*		131,690											

ROOF													
R1 - Light Weight Sloping Roof	Rural	99,830	75.8										
	Urban	3,174	2.4										
	Total	103,004	78.2				<i>M</i>				<i>H</i>		
R2 - Heavy Weight Sloping Roof	Rural	1,363	1.0										
	Urban	229	0.2										
	Total	1,592	1.2				<i>M</i>				<i>L</i>		
R3 - Flat Roof	Rural	18,108	13.8										
	Urban	8,986	6.8										
	Total	27,094	20.6				<i>Damage Risk as per that for the Wall supporting it</i>						
TOTAL HOUSES*		131,690											

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