

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

JAMMU & KASHMIR

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		
STATE - JAMMU & KASHMIR				6.0	94.0			65.9		34.1			
WALL													
A1 - Mud & Unburnt Brick Wall	Rural	459,902	14.0										
	Urban	79,006	2.4										
	Total	538,908	16.4	VH	H			VH		M			
A2 - Stone Wall not packed with mortar	Rural	476,281	14.5										
	Urban	18,222	0.6										
	Total	494,503	15.1	VH	H			H		L			
Total - Category - A		1,033,411	31.5										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	1,275,084	38.9										
	Urban	640,207	19.5										
	Total	1,915,291	58.4	H	M			H		L			
Total - Category - B		1,915,291	58.5										
C1 - Concrete Wall	Rural	30,113	0.9										
	Urban	37,899	1.2										
	Total	68,012	2.1	M	L			L		VL			
C2 - Wood wall	Rural	144,032	4.4										
	Urban	17,229	0.5										
	Total	161,261	4.9	M	L			VH		M			
Total - Category - C		229,273	7.0										
X - Other Materials	Rural	76,007	2.3										
	Urban	21,963	0.7										
	Total	97,970	3.0	M	VL			VH		M			
Total - Category - X		97,970	3.0										
TOTAL HOUSES*		3,275,945											

ROOF												
R1 - Light Weight Sloping Roof	Rural	1,991,974	60.8									
	Urban	467,995	14.3									
	Total	2,459,969	75.1	M	M			VH		H		
R2 - Heavy Weight Sloping Roof	Rural	53,752	1.6									
	Urban	19,995	0.6									
	Total	73,747	2.2	H	M			H		L		
R3 - Flat Roof	Rural	415,693	12.7									
	Urban	326,536	10.0									
	Total	742,229	22.7	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		3,275,945										

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, Slate)

Category - R3 - Flat Roof (Brick, Stone, 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