

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

Table No. : JK 11

State : JAMMU & KASHMIR

GANDERBAL

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 %					
				71.1	28.9					100			
WALL													
A1 - Mud & Unburnt Brick Wall	Rural	12,359	16.9										
	Urban	1,522	2.1										
	Total	13,881	19.0	VH	H								<i>M</i>
A2 - Stone Wall not packed with mortar	Rural	6,542	9.0										
	Urban	111	0.2										
	Total	6,653	9.2	VH	H								<i>L</i>
Total - Category - A		20,534	28.1										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	32,197	44.1										
	Urban	8,567	11.7										
	Total	40,764	55.8	H	<i>M</i>								<i>L</i>
Total - Category - B		40,764	55.8										
C1 - Concrete Wall	Rural	884	1.2										
	Urban	1,073	1.5										
	Total	1,957	2.7	<i>M</i>	<i>L</i>								<i>VL</i>
C2 - Wood wall	Rural	4,014	5.5										
	Urban	537	0.7										
	Total	4,551	6.2	<i>M</i>	<i>L</i>								<i>M</i>
Total - Category - C		6,508	8.9										
X - Other Materials	Rural	4,347	5.9										
	Urban	909	1.2										
	Total	5,256	7.1	<i>M</i>	<i>VL</i>								<i>M</i>
Total - Category - X		5,256	7.2										
TOTAL HOUSES*		73,062											

ROOF													
R1 - Light Weight Sloping Roof	Rural	55,323	75.7										
	Urban	10,961	15.0										
	Total	66,284	90.7	<i>M</i>	<i>M</i>								<i>H</i>
R2 - Heavy Weight Sloping Roof	Rural	2,523	3.5										
	Urban	512	0.7										
	Total	3,035	4.2	<i>H</i>	<i>M</i>								<i>L</i>
R3 - Flat Roof	Rural	2,497	3.4										
	Urban	1,246	1.7										
	Total	3,743	5.1	<i>Damage Risk as per that for the Wall supporting it</i>									
TOTAL HOUSES*		73,062											

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