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

Table No. : JK 18   **State : JAMMU & KASHMIR**   **KISHTWAR**

Wall / Roof		Census Houses		Level of Risk under								
		No. of Houses	%	V	IV	III	II	55 & 50	47	44 & 39	33	Flood Prone Area in %
					EQ Zone			Wind Velocity m/s				
					Area in %				Area in %			
					100					100		
WALL												
A1 - Mud &	Rural	1,612	2.3									
Unburnt Brick Wall	Urban	206	0.3									
	Total	*1,818*	*2.6*		H					M		
A2 - Stone Wall	Rural	30,143	42.5									
not packed with mortar	Urban	241	0.3									
	Total	*30,384*	*42.8*		H					L		
Total - Category - A		**32,202**	**45.4**									
B - Burnt Bricks Wall	Rural	24,511	34.6									
& Stone wall packed	Urban	4,232	6.0									
with mortar	*Total*	*28,743*	*40.6*		M					L		
Total - Category - B		**28,743**	**40.5**									
C1 - Concrete Wall	Rural	273	0.4									
	Urban	5	-									
	Total	*278*	*0.4*		L					VL		
C2 - Wood wall	Rural	9,228	13.0									
	Urban	12	-									
	Total	*9,240*	*13.0*		L					M		
Total - Category - C		**9,518**	**13.4**									
X - Other Materials	Rural	394	0.6									
	Urban	54	0.1									
	Total	*448*	*0.7*		VL					M		
Total - Category - X		**448**	**0.6**									
TOTAL HOUSES*		**70,911**										
ROOF												
R1 - Light Weight	Rural	64,022	90.3									
Sloping Roof	Urban	3,409	4.8									
	Total	*67,431*	*95.1*		M					H		
R2 - Heavy Weight	Rural	475	0.7									
Sloping Roof	Urban	26	-									
	Total	*501*	*0.7*		M					L		
R3 - Flat Roof	Rural	1,664	2.3									
	Urban	1,315	1.9									
	Total	*2,979*	*4.2*	*Damage Risk as per that for the Wall supporting it*								
TOTAL HOUSES*		**70,911**										

Probable Maximum Precipitation at a Station of the district in 24 hrs is   360 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 chocked 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