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

Table No. : RJ 18   **State : RAJASTHAN**   **JALOR**

Wall / Roof		Census Houses		Level of Risk under								Flood Prone Area
		No. of Houses	%	EQ Zone				Wind Velocity m/s				
				V	IV	III	II	55 & 50	47	44 & 39	33	
				Area in %				Area in %				
					20.8	61.8	17.4		100			
WALL												
A1 - Mud &	Rural	122,302	31.0									
Unburnt Brick Wall	Urban	3,771	1.0									
	Total	**126,073**	**32.0**		H	M	L		H			
A2 - Stone Wall	Rural	11,542	2.9									
not packed with mortar	Urban	1,526	0.4									
	Total	**13,068**	**3.3**		H	M	L		M			
Total - Category - A		**139,141**	**35.2**									
B - Burnt Bricks Wall	Rural	194,754	49.3									
& Stone wall packed	Urban	30,198	7.6									
with mortar	*Total*	**224,952**	**56.9**		M	L	VL		M			
Total - Category - B		**224,952**	**56.9**									
C1 - Concrete Wall	Rural	2,959	0.7									
	Urban	527	0.1									
	Total	**3,486**	**0.8**		L	VL	VL		VL			
C2 - Wood wall	Rural	1,626	0.4									
	Urban	132	-									
	Total	**1,758**	**0.4**		L	VL	VL		H			
Total - Category - C		**5,244**	**1.3**									
X - Other Materials	Rural	24,139	6.1									
	Urban	1,531	0.4									
	Total	**25,670**	**6.5**		VL	VL	VL		H			
Total - Category - X		**25,670**	**6.5**									
TOTAL HOUSES*		**395,007**										
ROOF												
R1 - Light Weight	Rural	135,186	34.2									
Sloping Roof	Urban	8,083	2.0									
	Total	**143,269**	**36.2**		M	L	VL		VH			
R2 - Heavy Weight	Rural	197,511	50.0									
Sloping Roof	Urban	19,959	5.1									
	Total	**217,470**	**55.1**		M	L	VL		M			
R3 - Flat Roof	Rural	24,625	6.2									
	Urban	9,643	2.4									
	Total	**34,268**	**8.6**	*Damage Risk as per that for the Wall supporting it*								
TOTAL HOUSES*		**395,007**										

Probable Maximum Precipitation at a Station of the district in 24 hrs is   485 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