

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

**Table No. : MP 26**

**State : MADHYA PRADESH**

**VIDISHA**

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	208,937	58.2									
	Urban	20,349	5.7									
	Total	229,286	63.9				L		H			
A2 - Stone Wall not packed with mortar	Rural	13,737	3.8									
	Urban	1,990	0.6									
	Total	15,727	4.4				L		M			
Total - Category - A		245,013	68.2									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	50,812	14.2									
	Urban	51,389	14.3									
	Total	102,201	28.5				VL		M			
Total - Category - B		102,201	28.5									
C1 - Concrete Wall	Rural	969	0.3									
	Urban	1,235	0.3									
	Total	2,204	0.6				VL		VL			
C2 - Wood wall	Rural	1,317	0.4									
	Urban	242	0.1									
	Total	1,559	0.5				VL		H			
Total - Category - C		3,763	1.0									
X - Other Materials	Rural	6,096	1.7									
	Urban	1,996	0.6									
	Total	8,092	2.3				VL		H			
Total - Category - X		8,092	2.3									
TOTAL HOUSES*		359,069										

ROOF												
R1 - Light Weight Sloping Roof	Rural	31,996	8.9									
	Urban	11,825	3.3									
	Total	43,821	12.2				VL		VH			
R2 - Heavy Weight Sloping Roof	Rural	230,926	64.3									
	Urban	41,461	11.5									
	Total	272,387	75.8				VL		M			
R3 - Flat Roof	Rural	18,946	5.3									
	Urban	23,915	6.7									
	Total	42,861	12.0	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		359,069										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. **547 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