

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

Table No. : MP 28

State : MADHYA PRADESH

SEHORE

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 %				
						36.0	64.0		46.8	53.2		
WALL												
A1 - Mud & Unburnt Brick Wall	Rural	94,150	30.0									
	Urban	9,998	3.2									
	Total	104,148	33.2			M	L		H	M		
A2 - Stone Wall not packed with mortar	Rural	1,555	0.5									
	Urban	415	0.1									
	Total	1,970	0.6			M	L		M	L		
Total - Category - A		106,118	33.8									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	134,207	42.7									
	Urban	41,372	13.2									
	Total	175,579	55.9			L	VL		M	L		
Total - Category - B		175,579	55.9									
C1 - Concrete Wall	Rural	1,635	0.5									
	Urban	517	0.2									
	Total	2,152	0.7			VL	VL		VL	VL		
C2 - Wood wall	Rural	6,079	1.9									
	Urban	263	0.1									
	Total	6,342	2.0			VL	VL		H	M		
Total - Category - C		8,494	2.7									
X - Other Materials	Rural	21,935	7.0									
	Urban	1,939	0.6									
	Total	23,874	7.6			VL	VL		H	M		
Total - Category - X		23,874	7.6									
TOTAL HOUSES*		314,065										

ROOF												
R1 - Light Weight Sloping Roof	Rural	40,580	12.9									
	Urban	13,992	4.5									
	Total	54,572	17.4			L	VL		VH	H		
R2 - Heavy Weight Sloping Roof	Rural	182,766	58.2									
	Urban	12,888	4.1									
	Total	195,654	62.3			L	VL		M	L		
R3 - Flat Roof	Rural	36,215	11.5									
	Urban	27,624	8.8									
	Total	63,839	20.3	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		314,065										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. **478 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