

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

Table No. : MP 11

State : MADHYA PRADESH

DAMOH

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 %				
						19.4	80.6		53.2	46.8		
WALL												
A1 - Mud & Unburnt Brick Wall	Rural	114,827	32.9									
	Urban	15,639	4.5									
	Total	130,466	37.4			M	L		H	M		
A2 - Stone Wall not packed with mortar	Rural	62,191	17.8									
	Urban	1,239	0.4									
	Total	63,430	18.2			M	L		M	L		
Total - Category - A		193,896	55.5									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	101,984	29.2									
	Urban	41,001	11.7									
	Total	142,985	40.9			L	VL		M	L		
Total - Category - B		142,985	40.9									
C1 - Concrete Wall	Rural	409	0.1									
	Urban	896	0.3									
	Total	1,305	0.4			VL	VL		VL	VL		
C2 - Wood wall	Rural	2,860	0.8									
	Urban	174	-									
	Total	3,034	0.8			VL	VL		H	M		
Total - Category - C		4,339	1.2									
X - Other Materials	Rural	6,660	1.9									
	Urban	1,359	0.4									
	Total	8,019	2.3			VL	VL		H	M		
Total - Category - X		8,019	2.3									
TOTAL HOUSES*		349,239										

ROOF												
R1 - Light Weight Sloping Roof	Rural	28,489	8.2									
	Urban	6,969	2.0									
	Total	35,458	10.2			L	VL		VH	H		
R2 - Heavy Weight Sloping Roof	Rural	241,630	69.2									
	Urban	35,436	10.1									
	Total	277,066	79.3			L	VL		M	L		
R3 - Flat Roof	Rural	18,812	5.4									
	Urban	17,903	5.1									
	Total	36,715	10.5	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		349,239										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. **503 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