

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

Table No. : UP 38

State : UTTAR PRADESH

MAHOBIA

Wall / Roof		Census Houses		Level of Risk under								
		No. of Houses	%	EQ Zone				Wind Velocity m/s				Flood Prone Area in %
				V	IV	III	II	55 & 50	47	44 & 39	33	
				Area in %				Area in %				
								100				
WALL												
<i>A1 - Mud & Unburnt Brick Wall</i>	Rural	97,404	42.5									
	Urban	12,700	5.5									
	Total	110,104	48.0					<i>L</i>		<i>H</i>		
<i>A2 - Stone Wall not packed with mortar</i>	Rural	3,212	1.4									
	Urban	1,092	0.5									
	Total	4,304	1.9					<i>L</i>		<i>M</i>		
Total - Category - A		114,408	49.9									
<i>B - Burnt Bricks Wall & Stone wall packed with mortar</i>	Rural	73,718	32.2									
	Urban	25,887	11.3									
	Total	99,605	43.5					<i>VL</i>		<i>M</i>		
Total - Category - B		99,605	43.5									
<i>C1 - Concrete Wall</i>	Rural	1,366	0.6									
	Urban	691	0.3									
	Total	2,057	0.9					<i>VL</i>		<i>VL</i>		
<i>C2 - Wood wall</i>	Rural	240	0.1									
	Urban	57	-									
	Total	297	0.1					<i>VL</i>		<i>H</i>		
Total - Category - C		2,354	1.0									
<i>X - Other Materials</i>	Rural	9,684	4.2									
	Urban	3,039	1.3									
	Total	12,723	5.5					<i>VL</i>		<i>H</i>		
Total - Category - X		12,723	5.6									
TOTAL HOUSES*		229,090										

ROOF												
<i>R1 - Light Weight Sloping Roof</i>	Rural	32,695	14.3									
	Urban	6,829	3.0									
	Total	39,524	17.3					<i>VL</i>		<i>VH</i>		
<i>R2 - Heavy Weight Sloping Roof</i>	Rural	96,292	42.0									
	Urban	13,195	5.8									
	Total	109,487	47.8					<i>VL</i>		<i>M</i>		
<i>R3 - Flat Roof</i>	Rural	56,637	24.7									
	Urban	23,442	10.2									
	Total	80,079	34.9	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		229,090										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. 513 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