

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

Table No. : UP 68

State : UTTAR PRADESH

MIRZAPUR

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 %					
WALL								47.1	52.9		89.7	10.3	15.4
A1 - Mud & Unburnt Brick Wall	Rural	195,135	38.0										
	Urban	11,404	2.2										
	Total	206,539	40.2				<i>M</i>	<i>L</i>			<i>H</i>	<i>M</i>	<i>VH</i>
A2 - Stone Wall not packed with mortar	Rural	8,372	1.6										
	Urban	2,076	0.4										
	Total	10,448	2.0				<i>M</i>	<i>L</i>			<i>M</i>	<i>L</i>	<i>VH</i>
Total - Category - A		216,987	42.2										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	208,548	40.6										
	Urban	53,381	10.4										
	Total	261,929	51.0				<i>L</i>	<i>VL</i>			<i>M</i>	<i>L</i>	<i>H/M</i>
Total - Category - B		261,929	51.0										
C1 - Concrete Wall	Rural	1,272	0.2										
	Urban	505	0.1										
	Total	1,777	0.3				<i>VL</i>	<i>VL</i>			<i>VL</i>	<i>VL</i>	<i>L/ VL</i>
C2 - Wood wall	Rural	1,047	0.2										
	Urban	384	0.1										
	Total	1,431	0.3				<i>VL</i>	<i>VL</i>			<i>H</i>	<i>M</i>	<i>H</i>
Total - Category - C		3,208	0.6										
X - Other Materials	Rural	28,371	5.5										
	Urban	3,191	0.6										
	Total	31,562	6.1				<i>VL</i>	<i>VL</i>			<i>H</i>	<i>M</i>	<i>VH</i>
Total - Category - X		31,562	6.1										
TOTAL HOUSES*		513,686											

ROOF		Damage Risk as per that for the Wall supporting it									
R1 - Light Weight Sloping Roof	Rural	93,575	18.2								
	Urban	11,190	2.2								
	Total	104,765	20.4			<i>L</i>	<i>VL</i>		<i>VH</i>	<i>H</i>	<i>VH</i>
R2 - Heavy Weight Sloping Roof	Rural	303,660	59.1								
	Urban	47,429	9.2								
	Total	351,089	68.3			<i>L</i>	<i>VL</i>		<i>M</i>	<i>L</i>	<i>H</i>
R3 - Flat Roof	Rural	45,510	8.9								
	Urban	12,322	2.4								
	Total	57,832	11.3			Damage Risk as per that for the Wall supporting it					
TOTAL HOUSES*		513,686									

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. 567 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