

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

Table No. : UP 55

State : UTTAR PRADESH

SANT KABIR NAGAR

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 %					
				50.3	49.7			13.1	86.9			33.9	
WALL													
A1 - Mud & Unburnt Brick Wall	Rural	43,515	12.9										
	Urban	2,313	0.7										
	Total	45,828	13.6		<i>H</i>	<i>M</i>		<i>VH</i>	<i>H</i>			<i>VH</i>	
A2 - Stone Wall not packed with mortar	Rural	2,884	0.9										
	Urban	362	0.1										
	Total	3,246	1.0		<i>H</i>	<i>M</i>		<i>H</i>	<i>M</i>			<i>VH</i>	
Total - Category - A		49,074	14.6										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	225,478	66.9										
	Urban	19,531	5.8										
	Total	245,009	72.7		<i>M</i>	<i>L</i>		<i>H</i>	<i>M</i>			<i>H/M</i>	
Total - Category - B		245,009	72.7										
C1 - Concrete Wall	Rural	1,109	0.3										
	Urban	80	-										
	Total	1,189	0.3		<i>L</i>	<i>VL</i>		<i>L</i>	<i>VL</i>			<i>L/ VL</i>	
C2 - Wood wall	Rural	837	0.2										
	Urban	45	-										
	Total	882	0.2		<i>L</i>	<i>VL</i>		<i>VH</i>	<i>H</i>			<i>H</i>	
Total - Category - C		2,071	0.6										
X - Other Materials	Rural	38,882	11.5										
	Urban	1,860	0.6										
	Total	40,742	12.1		<i>VL</i>	<i>VL</i>		<i>VH</i>	<i>H</i>			<i>VH</i>	
Total - Category - X		40,742	12.1										
TOTAL HOUSES*		336,896											

ROOF												
R1 - Light Weight Sloping Roof	Rural	83,584	24.8									
	Urban	3,796	1.1									
	Total	87,380	25.9		<i>M</i>	<i>L</i>		<i>VH</i>	<i>VH</i>			<i>VH</i>
R2 - Heavy Weight Sloping Roof	Rural	25,341	7.5									
	Urban	1,549	0.5									
	Total	26,890	8.0		<i>M</i>	<i>L</i>		<i>H</i>	<i>M</i>			<i>H</i>
R3 - Flat Roof	Rural	203,780	60.5									
	Urban	18,846	5.6									
	Total	222,626	66.1	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		336,896										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. 523 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