

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

Table No. : UP 64

State : UTTAR PRADESH

GHAZIPUR

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												33.0
A1 - Mud & Unburnt Brick Wall	Rural	167,159	22.9									
	Urban	5,260	0.7									
	Total	172,419	23.6				<i>M</i>			<i>H</i>		<i>VH</i>
A2 - Stone Wall not packed with mortar	Rural	7,783	1.1									
	Urban	1,324	0.2									
	Total	9,107	1.3				<i>M</i>			<i>M</i>		<i>VH</i>
Total - Category - A		181,526	24.8									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	418,371	57.2									
	Urban	44,943	6.1									
	Total	463,314	63.3				<i>L</i>			<i>M</i>		<i>H/M</i>
Total - Category - B		463,314	63.4									
C1 - Concrete Wall	Rural	2,499	0.3									
	Urban	566	0.1									
	Total	3,065	0.4				<i>VL</i>			<i>VL</i>		<i>L/ VL</i>
C2 - Wood wall	Rural	3,052	0.4									
	Urban	427	0.1									
	Total	3,479	0.5				<i>VL</i>			<i>H</i>		<i>H</i>
Total - Category - C		6,544	0.9									
X - Other Materials	Rural	76,755	10.5									
	Urban	2,656	0.4									
	Total	79,411	10.9				<i>VL</i>			<i>H</i>		<i>VH</i>
Total - Category - X		79,411	10.9									
TOTAL HOUSES*		730,795										

ROOF												
R1 - Light Weight Sloping Roof	Rural	225,413	30.8									
	Urban	8,863	1.2									
	Total	234,276	32.0				<i>L</i>			<i>VH</i>		<i>VH</i>
R2 - Heavy Weight Sloping Roof	Rural	296,312	40.5									
	Urban	18,849	2.6									
	Total	315,161	43.1				<i>L</i>			<i>M</i>		<i>H</i>
R3 - Flat Roof	Rural	153,894	21.1									
	Urban	27,464	3.8									
	Total	181,358	24.9	<i>Damage Risk as per that for the Wall supporting it</i>								
TOTAL HOUSES*		730,795										

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