

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

Table No. : UP 29

State : UTTAR PRADESH

KANNAUJ

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			61.2	38.8		29.9
WALL												
A1 - Mud & Unburnt Brick Wall	Rural	64,257	18.5									
	Urban	3,980	1.1									
	Total	68,237	19.6				<i>M</i>		<i>VH</i>	<i>H</i>		<i>VH</i>
A2 - Stone Wall not packed with mortar	Rural	1,876	0.5									
	Urban	905	0.3									
	Total	2,781	0.8				<i>M</i>		<i>H</i>	<i>M</i>		<i>VH</i>
Total - Category - A		71,018	20.4									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	184,818	53.1									
	Urban	49,762	14.3									
	Total	234,580	67.4				<i>L</i>		<i>H</i>	<i>M</i>		<i>H/M</i>
Total - Category - B		234,580	67.4									
C1 - Concrete Wall	Rural	1,997	0.6									
	Urban	786	0.2									
	Total	2,783	0.8				<i>VL</i>		<i>L</i>	<i>VL</i>		<i>L/ VL</i>
C2 - Wood wall	Rural	519	0.1									
	Urban	210	0.1									
	Total	729	0.2				<i>VL</i>		<i>VH</i>	<i>H</i>		<i>H</i>
Total - Category - C		3,512	1.0									
X - Other Materials	Rural	34,216	9.8									
	Urban	4,504	1.3									
	Total	38,720	11.1				<i>VL</i>		<i>VH</i>	<i>H</i>		<i>VH</i>
Total - Category - X		38,720	11.1									
TOTAL HOUSES*		347,830										

ROOF												
R1 - Light Weight Sloping Roof	Rural	121,267	34.9									
	Urban	11,278	3.2									
	Total	132,545	38.1				<i>L</i>		<i>VH</i>	<i>VH</i>		<i>VH</i>
R2 - Heavy Weight Sloping Roof	Rural	14,383	4.1									
	Urban	2,844	0.8									
	Total	17,227	4.9				<i>L</i>		<i>H</i>	<i>M</i>		<i>H</i>
R3 - Flat Roof	Rural	152,033	43.7									
	Urban	46,025	13.2									
	Total	198,058	56.9	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		347,830										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. 630 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