

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

Table No. : UP 42

State : UTTAR PRADESH

PRATAPGARH

Wall / Roof		Census Houses		Level of Risk under								Flood Prone Area in %
		No. of Houses	%	EQ Zone				Wind Velocity m/s				
				V	IV	III	II	55 & 50	47	44 & 39	33	
				Area in %				Area in %				
						77.2	22.8		100			34.1
WALL												
A1 - Mud & Unburnt Brick Wall	Rural	278,689	38.8									
	Urban	4,556	0.6									
	Total	283,245	39.4			M	L		H			VH
A2 - Stone Wall not packed with mortar	Rural	6,806	0.9									
	Urban	778	0.1									
	Total	7,584	1.0			M	L		M			VH
Total - Category - A		290,829	40.5									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	331,523	46.2									
	Urban	29,290	4.1									
	Total	360,813	50.3			L	VL		M			H/M
Total - Category - B		360,813	50.3									
C1 - Concrete Wall	Rural	3,240	0.5									
	Urban	530	0.1									
	Total	3,770	0.6			VL	VL		VL			L/VL
C2 - Wood wall	Rural	940	0.1									
	Urban	14	-									
	Total	954	0.1			VL	VL		H			H
Total - Category - C		4,724	0.7									
X - Other Materials	Rural	59,501	8.3									
	Urban	2,163	0.3									
	Total	61,664	8.6			VL	VL		H			VH
Total - Category - X		61,664	8.6									
TOTAL HOUSES*		718,030										

ROOF												
R1 - Light Weight Sloping Roof	Rural	204,204	28.4									
	Urban	4,062	0.6									
	Total	208,266	29.0			L	VL		VH			VH
R2 - Heavy Weight Sloping Roof	Rural	161,476	22.5									
	Urban	3,470	0.5									
	Total	164,946	23.0			L	VL		M			H
R3 - Flat Roof	Rural	315,019	43.9									
	Urban	29,799	4.2									
	Total	344,818	48.1	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		718,030										

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