

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

Table No. : UP 08

State : UTTAR PRADESH

BAGHPAT

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 %					
					100				100				50.9
WALL													
A1 - Mud & Unburnt Brick Wall	Rural	7,410	2.6										
	Urban	1,993	0.7										
	Total	9,403	3.3		H			VH				VH	
A2 - Stone Wall not packed with mortar	Rural	2,669	0.9										
	Urban	2,091	0.7										
	Total	4,760	1.6		H			H				VH	
Total - Category - A		14,163	5.0										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	207,067	72.4										
	Urban	55,514	19.4										
	Total	262,581	91.8		M			H				H/M	
Total - Category - B		262,581	91.8										
C1 - Concrete Wall	Rural	1,168	0.4										
	Urban	1,175	0.4										
	Total	2,343	0.8		L			L				L/VL	
C2 - Wood wall	Rural	188	0.1										
	Urban	122	-										
	Total	310	0.1		L			VH				H	
Total - Category - C		2,653	0.9										
X - Other Materials	Rural	5,042	1.8										
	Urban	1,655	0.6										
	Total	6,697	2.4		VL			VH				VH	
Total - Category - X		6,697	2.3										
TOTAL HOUSES*		286,094											

ROOF												
R1 - Light Weight Sloping Roof	Rural	73,551	25.7									
	Urban	13,476	4.7									
	Total	87,027	30.4		M			VH				VH
R2 - Heavy Weight Sloping Roof	Rural	85,615	29.9									
	Urban	14,349	5.0									
	Total	99,964	34.9		M			H				H
R3 - Flat Roof	Rural	64,378	22.5									
	Urban	34,725	12.1									
	Total	99,103	34.6	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		286,094										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. **537 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