

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

Table No. : UP 46

State : UTTAR PRADESH

FAIZABAD

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			13.0
WALL												
A1 - Mud & Unburnt Brick Wall	Rural	146,843	26.5									
	Urban	5,970	1.1									
	Total	152,813	27.6			M			H			VH
A2 - Stone Wall not packed with mortar	Rural	3,720	0.7									
	Urban	1,447	0.3									
	Total	5,167	1.0			M			M			VH
Total - Category - A		157,980	28.5									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	258,015	46.5									
	Urban	55,376	10.0									
	Total	313,391	56.5			L			M			H/M
Total - Category - B		313,391	56.5									
C1 - Concrete Wall	Rural	1,749	0.3									
	Urban	643	0.1									
	Total	2,392	0.4			VL			VL			L/VL
C2 - Wood wall	Rural	1,084	0.2									
	Urban	276	-									
	Total	1,360	0.2			VL			H			H
Total - Category - C		3,752	0.7									
X - Other Materials	Rural	71,695	12.9									
	Urban	7,608	1.4									
	Total	79,303	14.3			VL			H			VH
Total - Category - X		79,303	14.3									
TOTAL HOUSES*		554,426										

ROOF												
R1 - Light Weight Sloping Roof	Rural	164,876	29.7									
	Urban	11,480	2.1									
	Total	176,356	31.8			L			VH			VH
R2 - Heavy Weight Sloping Roof	Rural	72,189	13.0									
	Urban	4,291	0.8									
	Total	76,480	13.8			L			M			H
R3 - Flat Roof	Rural	246,041	44.4									
	Urban	55,549	10.0									
	Total	301,590	54.4	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		554,426										

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