

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

Table No. : UP 40

State : UTTAR PRADESH

CHITRAKOOT

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			9.1
WALL												
A1 - Mud & Unburnt Brick Wall	Rural	133,798	61.4									
	Urban	6,002	2.8									
	Total	139,800	64.2				L		H			VH
A2 - Stone Wall not packed with mortar	Rural	12,136	5.6									
	Urban	493	0.2									
	Total	12,629	5.8				L		M			VH
Total - Category - A		152,429	70.0									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	44,191	20.3									
	Urban	12,923	5.9									
	Total	57,114	26.2				VL		M			H/M
Total - Category - B		57,114	26.2									
C1 - Concrete Wall	Rural	322	0.1									
	Urban	93	-									
	Total	415	0.1				VL		VL			L/VL
C2 - Wood wall	Rural	309	0.1									
	Urban	32	-									
	Total	341	0.1				VL		H			H
Total - Category - C		756	0.3									
X - Other Materials	Rural	6,303	2.9									
	Urban	1,258	0.6									
	Total	7,561	3.5				VL		H			VH
Total - Category - X		7,561	3.5									
TOTAL HOUSES*		217,860										

ROOF												
R1 - Light Weight Sloping Roof	Rural	22,917	10.5									
	Urban	1,896	0.9									
	Total	24,813	11.4				VL		VH			VH
R2 - Heavy Weight Sloping Roof	Rural	148,623	68.2									
	Urban	10,816	5.0									
	Total	159,439	73.2				VL		M			H
R3 - Flat Roof	Rural	25,519	11.7									
	Urban	8,089	3.7									
	Total	33,608	15.4	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		217,860										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. **599 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