

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

Table No. : KN 24

State : KARNATAKA

CHAMARAJANAGAR

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 %				
						3.9	96.1			11.8	88.2	
WALL												
A1 - Mud & Unburnt Brick Wall	Rural	85,514	30.0									
	Urban	12,205	4.3									
	Total	97,719	34.3			M	L			M	L	
A2 - Stone Wall not packed with mortar	Rural	18,636	6.5									
	Urban	4,339	1.5									
	Total	22,975	8.0			M	L			L	VL	
Total - Category - A		120,694	42.4									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	107,406	37.7									
	Urban	29,845	10.5									
	Total	137,251	48.2			L	VL			L	VL	
Total - Category - B		137,251	48.2									
C1 - Concrete Wall	Rural	5,336	1.9									
	Urban	3,050	1.1									
	Total	8,386	3.0			VL	VL			VL	VL	
C2 - Wood wall	Rural	1,788	0.6									
	Urban	303	0.1									
	Total	2,091	0.7			VL	VL			M	L	
Total - Category - C		10,477	3.7									
X - Other Materials	Rural	14,738	5.2									
	Urban	1,657	0.6									
	Total	16,395	5.8			VL	VL			M	L	
Total - Category - X		16,395	5.8									
TOTAL HOUSES*		284,817										

ROOF												
R1 - Light Weight Sloping Roof	Rural	36,421	12.8									
	Urban	5,945	2.1									
	Total	42,366	14.9			L	VL			H	M	
R2 - Heavy Weight Sloping Roof	Rural	181,238	63.6									
	Urban	25,049	8.8									
	Total	206,287	72.4			L	VL			L	VL	
R3 - Flat Roof	Rural	15,759	5.5									
	Urban	20,405	7.2									
	Total	36,164	12.7	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		284,817										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. **476 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