

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

Table No. : KN 26

State : KARNATAKA

YADGIR

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			62.0	38.0	
WALL												
A1 - Mud & Unburnt Brick Wall	Rural	16,133	6.8									
	Urban	3,177	1.3									
	Total	19,310	8.1				L			M	L	
A2 - Stone Wall not packed with mortar	Rural	62,241	26.4									
	Urban	11,644	4.9									
	Total	73,885	31.3				L			L	VL	
Total - Category - A		93,195	39.5									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	83,912	35.6									
	Urban	29,877	12.7									
	Total	113,789	48.3				VL			L	VL	
Total - Category - B		113,789	48.2									
C1 - Concrete Wall	Rural	2,883	1.2									
	Urban	1,168	0.5									
	Total	4,051	1.7				VL			VL	VL	
C2 - Wood wall	Rural	2,951	1.3									
	Urban	518	0.2									
	Total	3,469	1.5				VL			M	L	
Total - Category - C		7,520	3.2									
X - Other Materials	Rural	18,890	8.0									
	Urban	2,572	1.1									
	Total	21,462	9.1				VL			M	L	
Total - Category - X		21,462	9.1									
TOTAL HOUSES*		235,966										

ROOF												
R1 - Light Weight Sloping Roof	Rural	128,741	54.6									
	Urban	17,877	7.6									
	Total	146,618	62.2				VL			H	M	
R2 - Heavy Weight Sloping Roof	Rural	30,006	12.7									
	Urban	5,672	2.4									
	Total	35,678	15.1				VL			L	VL	
R3 - Flat Roof	Rural	28,263	12.0									
	Urban	25,407	10.8									
	Total	53,670	22.8	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		235,966										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. **360 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