

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

Table No. : KN 22

State : KARNATAKA

KODAGU

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 %				
						48.4	51.6			.7	99.3	
WALL												
A1 - Mud & Unburnt Brick Wall	Rural	64,203	34.9									
	Urban	6,397	3.5									
	Total	70,600	38.4			M	L			M	L	
A2 - Stone Wall not packed with mortar	Rural	12,024	6.5									
	Urban	1,661	0.9									
	Total	13,685	7.4			M	L			L	VL	
Total - Category - A		84,285	45.8									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	68,969	37.4									
	Urban	17,290	9.4									
	Total	86,259	46.8			L	VL			L	VL	
Total - Category - B		86,259	46.8									
C1 - Concrete Wall	Rural	5,109	2.8									
	Urban	2,035	1.1									
	Total	7,144	3.9			VL	VL			VL	VL	
C2 - Wood wall	Rural	1,098	0.6									
	Urban	116	0.1									
	Total	1,214	0.7			VL	VL			M	L	
Total - Category - C		8,358	4.5									
X - Other Materials	Rural	4,760	2.6									
	Urban	537	0.3									
	Total	5,297	2.9			VL	VL			M	L	
Total - Category - X		5,297	2.9									
TOTAL HOUSES*		184,199										

ROOF												
R1 - Light Weight Sloping Roof	Rural	19,512	10.6									
	Urban	3,024	1.6									
	Total	22,536	12.2			L	VL			H	M	
R2 - Heavy Weight Sloping Roof	Rural	116,537	63.3									
	Urban	12,739	6.9									
	Total	129,276	70.2			L	VL			L	VL	
R3 - Flat Roof	Rural	20,114	10.9									
	Urban	12,273	6.7									
	Total	32,387	17.6	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		184,199										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. **845 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