

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

Table No. : KN 02

State : KARNATAKA

BAGALKOT

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 %				
						3.2	96.8				100	
WALL												
A1 - Mud & Unburnt Brick Wall	Rural	28,045	6.6									
	Urban	13,007	3.0									
	Total	41,052	9.6			M	L				L	
A2 - Stone Wall not packed with mortar	Rural	72,362	16.9									
	Urban	36,830	8.6									
	Total	109,192	25.5			M	L				VL	
Total - Category - A		150,244	35.1									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	123,205	28.8									
	Urban	72,160	16.9									
	Total	195,365	45.7			L	VL				VL	
Total - Category - B		195,365	45.7									
C1 - Concrete Wall	Rural	3,607	0.8									
	Urban	9,266	2.2									
	Total	12,873	3.0			VL	VL				VL	
C2 - Wood wall	Rural	5,835	1.4									
	Urban	2,821	0.7									
	Total	8,656	2.1			VL	VL				L	
Total - Category - C		21,529	5.0									
X - Other Materials	Rural	47,626	11.1									
	Urban	12,848	3.0									
	Total	60,474	14.1			VL	VL				L	
Total - Category - X		60,474	14.1									
TOTAL HOUSES*		427,612										

ROOF												
R1 - Light Weight Sloping Roof	Rural	229,686	53.7									
	Urban	77,446	18.1									
	Total	307,132	71.8			L	VL				M	
R2 - Heavy Weight Sloping Roof	Rural	22,236	5.2									
	Urban	10,386	2.4									
	Total	32,622	7.6			L	VL				VL	
R3 - Flat Roof	Rural	28,758	6.7									
	Urban	59,100	13.8									
	Total	87,858	20.5	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		427,612										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. **409 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