

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

Table No. : KN 03

State : KARNATAKA

BIJAPUR

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 %				
						11.1	88.9			19.1	80.9	
WALL												
A1 - Mud & Unburnt Brick Wall	Rural	44,483	9.4									
	Urban	13,054	2.8									
	Total	57,537	12.2			M	L			M	L	
A2 - Stone Wall not packed with mortar	Rural	111,146	23.6									
	Urban	22,705	4.8									
	Total	133,851	28.4			M	L			L	VL	
Total - Category - A		191,388	40.6									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	138,920	29.5									
	Urban	66,099	14.0									
	Total	205,019	43.5			L	VL			L	VL	
Total - Category - B		205,019	43.5									
C1 - Concrete Wall	Rural	4,628	1.0									
	Urban	9,034	1.9									
	Total	13,662	2.9			VL	VL			VL	VL	
C2 - Wood wall	Rural	6,559	1.4									
	Urban	1,301	0.3									
	Total	7,860	1.7			VL	VL			M	L	
Total - Category - C		21,522	4.6									
X - Other Materials	Rural	47,140	10.0									
	Urban	6,466	1.4									
	Total	53,606	11.4			VL	VL			M	L	
Total - Category - X		53,606	11.4									
TOTAL HOUSES*		471,535										

ROOF												
R1 - Light Weight Sloping Roof	Rural	288,674	61.2									
	Urban	45,822	9.7									
	Total	334,496	70.9			L	VL			H	M	
R2 - Heavy Weight Sloping Roof	Rural	26,596	5.6									
	Urban	10,783	2.3									
	Total	37,379	7.9			L	VL			L	VL	
R3 - Flat Roof	Rural	37,606	8.0									
	Urban	62,054	13.2									
	Total	99,660	21.2	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		471,535										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. **416 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