

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

Table No. : KN 04

State : KARNATAKA

BIDAR

Wall / Roof		Census Houses		Level of Risk under									
		No. of Houses	%	EQ Zone				Wind Velocity m/s				Flood Prone Area in %	
				V	IV	III	II	55 & 50	47	44 & 39	33		
				Area in %				Area in %					
								100			100		
WALL													
A1 - Mud & Unburnt Brick Wall	Rural	42,574	11.7										
	Urban	12,324	3.4										
	Total	54,898	15.1					<i>L</i>			<i>M</i>		
A2 - Stone Wall not packed with mortar	Rural	74,540	20.4										
	Urban	21,012	5.8										
	Total	95,552	26.2					<i>L</i>			<i>L</i>		
Total - Category - A		150,450	41.2										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	125,659	34.4										
	Urban	55,589	15.2										
	Total	181,248	49.6					<i>VL</i>			<i>L</i>		
Total - Category - B		181,248	49.6										
C1 - Concrete Wall	Rural	2,559	0.7										
	Urban	2,261	0.6										
	Total	4,820	1.3					<i>VL</i>			<i>VL</i>		
C2 - Wood wall	Rural	4,052	1.1										
	Urban	829	0.2										
	Total	4,881	1.3					<i>VL</i>			<i>M</i>		
Total - Category - C		9,701	2.7										
X - Other Materials	Rural	19,596	5.4										
	Urban	4,382	1.2										
	Total	23,978	6.6					<i>VL</i>			<i>M</i>		
Total - Category - X		23,978	6.6										
TOTAL HOUSES*		365,377											

ROOF													
R1 - Light Weight Sloping Roof	Rural	169,681	46.4										
	Urban	34,670	9.5										
	Total	204,351	55.9					<i>VL</i>			<i>H</i>		
R2 - Heavy Weight Sloping Roof	Rural	58,673	16.1										
	Urban	9,945	2.7										
	Total	68,618	18.8					<i>VL</i>			<i>L</i>		
R3 - Flat Roof	Rural	40,626	11.1										
	Urban	51,782	14.2										
	Total	92,408	25.3	<i>Damage Risk as per that for the Wall supporting it</i>									
TOTAL HOUSES*		365,377											

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. 487 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