

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

**Table No. : KN 23**

**State : KARNATAKA**

**MYSORE**

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 %				
						4.3	95.7				100	
WALL												
A1 - Mud & Unburnt Brick Wall	Rural	203,850	24.3									
	Urban	42,056	5.0									
	Total	245,906	29.3			M	L				L	
A2 - Stone Wall not packed with mortar	Rural	28,779	3.4									
	Urban	21,497	2.6									
	Total	50,276	6.0			M	L				VL	
Total - Category - A		296,182	35.2									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	218,877	26.0									
	Urban	212,756	25.3									
	Total	431,633	51.3			L	VL				VL	
Total - Category - B		431,633	51.4									
C1 - Concrete Wall	Rural	22,756	2.7									
	Urban	64,374	7.7									
	Total	87,130	10.4			VL	VL				VL	
C2 - Wood wall	Rural	3,388	0.4									
	Urban	953	0.1									
	Total	4,341	0.5			VL	VL				L	
Total - Category - C		91,471	10.9									
X - Other Materials	Rural	16,835	2.0									
	Urban	4,442	0.5									
	Total	21,277	2.5			VL	VL				L	
Total - Category - X		21,277	2.5									
TOTAL HOUSES*		840,563										

<b>ROOF</b>												
<b>R1 - Light Weight Sloping Roof</b>	Rural	62,722	7.5									
	Urban	61,365	7.3									
	<b>Total</b>	<b>124,087</b>	<b>14.8</b>			L	VL				M	
<b>R2 - Heavy Weight Sloping Roof</b>	Rural	391,630	46.6									
	Urban	72,297	8.6									
	<b>Total</b>	<b>463,927</b>	<b>55.2</b>			L	VL				VL	
<b>R3 - Flat Roof</b>	Rural	40,133	4.8									
	Urban	212,416	25.3									
	<b>Total</b>	<b>252,549</b>	<b>30.1</b>	<i>Damage Risk as per that for the Wall supporting it</i>								
<b>TOTAL HOUSES*</b>		<b>840,563</b>										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. **476 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