

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

**Table No. : KN 26**

**State : KARNATAKA**

**YADGIR**

Wall / Roof		Census Houses		Level of Risk under									
		No. of Houses	%	EQ Zone				Wind Velocity m/s				Flood Prone Area	
				V	IV	III	II	55 & 50	47	44 & 39	33		
				Area in %				Area in %					
							100				62.0	38.0	
<b>WALL</b>													
<b>A1 - Mud &amp; Unburnt Brick Wall</b>	Rural	16,133	6.8										
	Urban	3,177	1.3										
	<b>Total</b>	<b>19,310</b>	<b>8.1</b>					<i>L</i>			<i>M</i>	<i>L</i>	
<b>A2 - Stone Wall not packed with mortar</b>	Rural	62,241	26.4										
	Urban	11,644	4.9										
	<b>Total</b>	<b>73,885</b>	<b>31.3</b>					<i>L</i>			<i>L</i>	<i>VL</i>	
<b>Total - Category - A</b>		<b>93,195</b>	<b>39.5</b>										
<b>B - Burnt Bricks Wall &amp; Stone wall packed with mortar</b>	Rural	83,912	35.6										
	Urban	29,877	12.7										
	<b>Total</b>	<b>113,789</b>	<b>48.3</b>					<i>VL</i>			<i>L</i>	<i>VL</i>	
<b>Total - Category - B</b>		<b>113,789</b>	<b>48.2</b>										
<b>C1 - Concrete Wall</b>	Rural	2,883	1.2										
	Urban	1,168	0.5										
	<b>Total</b>	<b>4,051</b>	<b>1.7</b>					<i>VL</i>			<i>VL</i>	<i>VL</i>	
<b>C2 - Wood wall</b>	Rural	2,951	1.3										
	Urban	518	0.2										
	<b>Total</b>	<b>3,469</b>	<b>1.5</b>					<i>VL</i>			<i>M</i>	<i>L</i>	
<b>Total - Category - C</b>		<b>7,520</b>	<b>3.2</b>										
<b>X - Other Materials</b>	Rural	18,890	8.0										
	Urban	2,572	1.1										
	<b>Total</b>	<b>21,462</b>	<b>9.1</b>					<i>VL</i>			<i>M</i>	<i>L</i>	
<b>Total - Category - X</b>		<b>21,462</b>	<b>9.1</b>										
<b>TOTAL HOUSES*</b>		<b>235,966</b>											

ROOF													
<b>R1 - Light Weight Sloping Roof</b>	Rural	128,741	54.6										
	Urban	17,877	7.6										
	<b>Total</b>	<b>146,618</b>	<b>62.2</b>					<i>VL</i>			<i>H</i>	<i>M</i>	
<b>R2 - Heavy Weight Sloping Roof</b>	Rural	30,006	12.7										
	Urban	5,672	2.4										
	<b>Total</b>	<b>35,678</b>	<b>15.1</b>					<i>VL</i>			<i>L</i>	<i>VL</i>	
<b>R3 - Flat Roof</b>	Rural	28,263	12.0										
	Urban	25,407	10.8										
	<b>Total</b>	<b>53,670</b>	<b>22.8</b>	Damage Risk as per that for the Wall supporting it									
<b>TOTAL HOUSES*</b>		<b>235,966</b>											

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. 360 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