

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									
		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 %					
WALL													100
A1 - Mud & Unburnt Brick Wall	Rural	203,850	24.3										
	Urban	42,056	5.0										
	Total	245,906	29.3					<i>M</i>	<i>L</i>				<i>L</i>
A2 - Stone Wall not packed with mortar	Rural	28,779	3.4										
	Urban	21,497	2.6										
	Total	50,276	6.0					<i>M</i>	<i>L</i>				<i>VL</i>
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					<i>L</i>	<i>VL</i>				<i>VL</i>
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					<i>VL</i>	<i>VL</i>				<i>VL</i>
C2 - Wood wall	Rural	3,388	0.4										
	Urban	953	0.1										
	Total	4,341	0.5					<i>VL</i>	<i>VL</i>				<i>L</i>
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					<i>VL</i>	<i>VL</i>				<i>L</i>
Total - Category - X		21,277	2.5										
TOTAL HOUSES*		840,563											

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

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