

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

Table No. : KN 06

State : KARNATAKA

KOPPAL

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													
A1 - Mud & Unburnt Brick Wall	Rural	45,945	15.1										
	Urban	6,154	2.0										
	Total	52,099	17.1					<i>L</i>					<i>L</i>
A2 - Stone Wall not packed with mortar	Rural	56,557	18.6										
	Urban	7,306	2.4										
	Total	63,863	21.0					<i>L</i>					<i>VL</i>
Total - Category - A		115,962	38.2										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	107,528	35.4										
	Urban	35,167	11.6										
	Total	142,695	47.0					<i>VL</i>					<i>VL</i>
Total - Category - B		142,695	47.0										
C1 - Concrete Wall	Rural	6,410	2.1										
	Urban	2,084	0.7										
	Total	8,494	2.8					<i>VL</i>					<i>VL</i>
C2 - Wood wall	Rural	3,444	1.1										
	Urban	664	0.2										
	Total	4,108	1.3					<i>VL</i>					<i>L</i>
Total - Category - C		12,602	4.2										
X - Other Materials	Rural	25,610	8.4										
	Urban	6,678	2.2										
	Total	32,288	10.6					<i>VL</i>					<i>L</i>
Total - Category - X		32,288	10.6										
TOTAL HOUSES*		303,547											

ROOF													
R1 - Light Weight Sloping Roof	Rural	176,968	58.3										
	Urban	23,530	7.8										
	Total	200,498	66.1					<i>VL</i>					<i>M</i>
R2 - Heavy Weight Sloping Roof	Rural	41,725	13.7										
	Urban	7,588	2.5										
	Total	49,313	16.2					<i>VL</i>					<i>VL</i>
R3 - Flat Roof	Rural	26,801	8.8										
	Urban	26,935	8.9										
	Total	53,736	17.7					<i>Damage Risk as per that for the Wall supporting it</i>					
TOTAL HOUSES*		303,547											

Probable Maximum Precipitation at a Station of the district in 24 hrs is 320 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