

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

Table No. : KN 27

State : KARNATAKA

KOLAR

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				100	
A1 - Mud & Unburnt Brick Wall	Rural	68,209	16.2										
	Urban	12,515	3.0										
	Total	80,724	19.2					<i>L</i>				<i>L</i>	
A2 - Stone Wall not packed with mortar	Rural	23,566	5.6										
	Urban	12,165	2.9										
	Total	35,731	8.5					<i>L</i>				<i>VL</i>	
Total - Category - A		116,455	27.7										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	181,499	43.1										
	Urban	90,474	21.5										
	Total	271,973	64.6					<i>VL</i>				<i>VL</i>	
Total - Category - B		271,973	64.6										
C1 - Concrete Wall	Rural	5,723	1.4										
	Urban	13,055	3.1										
	Total	18,778	4.5					<i>VL</i>				<i>VL</i>	
C2 - Wood wall	Rural	1,462	0.3										
	Urban	342	0.1										
	Total	1,804	0.4					<i>VL</i>				<i>L</i>	
Total - Category - C		20,582	4.9										
X - Other Materials	Rural	6,935	1.6										
	Urban	4,836	1.1										
	Total	11,771	2.7					<i>VL</i>				<i>L</i>	
Total - Category - X		11,771	2.8										
TOTAL HOUSES*		420,781											

ROOF													
R1 - Light Weight Sloping Roof	Rural	49,310	11.7										
	Urban	26,164	6.2										
	Total	75,474	17.9					<i>VL</i>				<i>M</i>	
R2 - Heavy Weight Sloping Roof	Rural	205,764	48.9										
	Urban	46,836	11.1										
	Total	252,600	60.0					<i>VL</i>				<i>VL</i>	
R3 - Flat Roof	Rural	32,320	7.7										
	Urban	60,387	14.4										
	Total	92,707	22.1	<i>Damage Risk as per that for the Wall supporting it</i>									
TOTAL HOUSES*		420,781											

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. 477 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