

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

Table No. : KN 25

State : KARNATAKA

GULBARGA

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 %						
							100				97.9	2.1		
WALL														
A1 - Mud & Unburnt Brick Wall	Rural	24,742	4.5											
	Urban	7,219	1.3											
	Total	31,961	5.8				L				M		L	
A2 - Stone Wall not packed with mortar	Rural	147,782	26.9											
	Urban	35,835	6.5											
	Total	183,617	33.4				L				L		VL	
Total - Category - A		215,578	39.3											
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	153,721	28.0											
	Urban	127,927	23.3											
	Total	281,648	51.3				VL				L		VL	
Total - Category - B		281,648	51.3											
C1 - Concrete Wall	Rural	5,511	1.0											
	Urban	7,906	1.4											
	Total	13,417	2.4				VL				VL		VL	
C2 - Wood wall	Rural	5,977	1.1											
	Urban	1,697	0.3											
	Total	7,674	1.4				VL				M		L	
Total - Category - C		21,091	3.8											
X - Other Materials	Rural	26,039	4.7											
	Urban	4,768	0.9											
	Total	30,807	5.6				VL				M		L	
Total - Category - X		30,807	5.6											
TOTAL HOUSES*		549,124												

ROOF														
R1 - Light Weight Sloping Roof	Rural	135,425	24.7											
	Urban	24,705	4.5											
	Total	160,130	29.2				VL			H	M			
R2 - Heavy Weight Sloping Roof	Rural	177,471	32.3											
	Urban	46,792	8.5											
	Total	224,263	40.8				VL			L	VL			
R3 - Flat Roof	Rural	50,876	9.3											
	Urban	113,855	20.7											
	Total	164,731	30.0	<i>Damage Risk as per that for the Wall supporting it</i>										
TOTAL HOUSES*		549,124												

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. **423 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