

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

Table No. : KL 05

State : KERALA

MALAPPURAM

ROOF										
R1 - Light Weight Sloping Roof	Rural	24,997	2.5							
	Urban	13,822	1.4							
	Total	38,819	3.9		<i>L</i>			<i>H</i>	<i>M</i>	<i>VH</i>
R2 - Heavy Weight Sloping Roof	Rural	266,289	26.7							
	Urban	158,200	15.9							
	Total	424,489	42.6		<i>L</i>			<i>L</i>	<i>VL</i>	<i>H</i>
R3 - Flat Roof	Rural	260,994	26.2							
	Urban	273,071	27.4							
	Total	534,065	53.6	<i>Damage Risk as per that for the Wall supporting it</i>						
TOTAL HOUSES*			997,373							

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. 733 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

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)

EO Zone III : Moderate Damage Risk Zone (MSK V)

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