

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

Table No. : MH 28

State : MAHARASHTRA

LATUR

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 %					
								22.2	77.8			100			
WALL															
A1 - Mud & Unburnt Brick Wall	Rural	58,447	10.7												
	Urban	14,411	2.6												
	Total	72,858	13.3					<i>M</i>	<i>L</i>			<i>M</i>			
A2 - Stone Wall not packed with mortar	Rural	33,990	6.2												
	Urban	5,566	1.0												
	Total	39,556	7.2					<i>M</i>	<i>L</i>			<i>L</i>			
Total - Category - A		112,414	20.5												
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	260,113	47.4												
	Urban	107,652	19.6												
	Total	367,765	67.0					<i>L</i>	<i>VL</i>			<i>L</i>			
Total - Category - B		367,765	67.1												
C1 - Concrete Wall	Rural	9,604	1.8												
	Urban	8,131	1.5												
	Total	17,735	3.3					<i>VL</i>	<i>VL</i>			<i>VL</i>			
C2 - Wood wall	Rural	4,125	0.8												
	Urban	763	0.1												
	Total	4,888	0.9					<i>VL</i>	<i>VL</i>			<i>M</i>			
Total - Category - C		22,623	4.1												
X - Other Materials	Rural	36,916	6.7												
	Urban	8,533	1.6												
	Total	45,449	8.3					<i>VL</i>	<i>VL</i>			<i>M</i>			
Total - Category - X		45,449	8.3												
TOTAL HOUSES*		548,251													

ROOF														
R1 - Light Weight Sloping Roof	Rural	301,008	54.9											
	Urban	54,137	9.9											
	Total	355,145	64.8					<i>L</i>	<i>VL</i>			<i>H</i>		
R2 - Heavy Weight Sloping Roof	Rural	24,845	4.5											
	Urban	6,913	1.3											
	Total	31,758	5.8					<i>L</i>	<i>VL</i>			<i>L</i>		
R3 - Flat Roof	Rural	77,342	14.1											
	Urban	84,006	15.3											
	Total	161,348	29.4	Damage Risk as per that for the Wall supporting it										
TOTAL HOUSES*		548,251												

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. 418 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