

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

Table No. : MH 03

State : MAHARASHTRA

JALGAON

Wall / Roof		Census Houses		Level of Risk under									
		No. of Houses	%	EQ Zone				Wind Velocity m/s				Flood Prone Area	
				V	IV	III	II	55 & 50	47	44 & 39	33		
				Area in %				Area in %					
						54.1	45.9			100			
WALL													
A1 - Mud & Unburnt Brick Wall	Rural	268,840	25.6										
	Urban	46,212	4.4										
	Total	315,052	30.0					<i>M</i>	<i>L</i>			<i>M</i>	
A2 - Stone Wall not packed with mortar	Rural	18,242	1.7										
	Urban	6,556	0.6										
	Total	24,798	2.3					<i>M</i>	<i>L</i>			<i>L</i>	
Total - Category - A		339,850	32.4										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	281,349	26.8										
	Urban	225,495	21.5										
	Total	506,844	48.3					<i>L</i>	<i>VL</i>			<i>L</i>	
Total - Category - B		506,844	48.3										
C1 - Concrete Wall	Rural	37,536	3.6										
	Urban	23,697	2.3										
	Total	61,233	5.9					<i>VL</i>	<i>VL</i>			<i>VL</i>	
C2 - Wood wall	Rural	8,810	0.8										
	Urban	17,066	1.6										
	Total	25,876	2.4					<i>VL</i>	<i>VL</i>			<i>M</i>	
Total - Category - C		87,109	8.3										
X - Other Materials	Rural	102,612	9.8										
	Urban	13,690	1.3										
	Total	116,302	11.1					<i>VL</i>	<i>VL</i>			<i>M</i>	
Total - Category - X		116,302	11.1										
TOTAL HOUSES*		1,050,105											

ROOF													
R1 - Light Weight Sloping Roof	Rural	534,089	50.9										
	Urban	126,670	12.1										
	Total	660,759	63.0					<i>L</i>	<i>VL</i>			<i>H</i>	
R2 - Heavy Weight Sloping Roof	Rural	31,589	3.0										
	Urban	14,001	1.3										
	Total	45,590	4.3					<i>L</i>	<i>VL</i>			<i>L</i>	
R3 - Flat Roof	Rural	151,711	14.4										
	Urban	192,045	18.3										
	Total	343,756	32.7	Damage Risk as per that for the Wall supporting it									
TOTAL HOUSES*		1,050,105											

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. 480 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 chocked 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