

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

Table No. : MH 35

State : MAHARASHTRA

SANGLI

Wall / Roof		Census Houses		Level of Risk under								
		No. of Houses	%	EQ Zone				Wind Velocity m/s				
				V	IV	III	II	55 & 50	47	44 & 39	33	Flood Prone Area in %
				Area in %				Area in %				
				5.0	95.0					9.9	90.1	
WALL												
A1 - Mud & Unburnt Brick Wall	Rural	74,158	9.9									
	Urban	18,885	2.5									
	Total	93,043	12.4									
				H	M					M	L	
A2 - Stone Wall not packed with mortar	Rural	41,619	5.5									
	Urban	6,915	0.9									
	Total	48,534	6.4									
				H	M					L	VL	
Total - Category - A		141,577	18.8									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	337,713	44.9									
	Urban	115,239	15.3									
	Total	452,952	60.2									
				M	L					L	VL	
Total - Category - B		452,952	60.2									
C1 - Concrete Wall	Rural	41,244	5.5									
	Urban	31,874	4.2									
	Total	73,118	9.7									
				L	VL					VL	VL	
C2 - Wood wall	Rural	5,652	0.8									
	Urban	2,205	0.3									
	Total	7,857	1.1									
				L	VL					M	L	
Total - Category - C		80,975	10.8									
X - Other Materials	Rural	56,269	7.5									
	Urban	20,078	2.7									
	Total	76,347	10.2									
				VL	VL					M	L	
Total - Category - X		76,347	10.2									
TOTAL HOUSES*		751,851										

ROOF													
R1 - Light Weight Sloping Roof	Rural	251,687	33.5										
	Urban	61,640	8.2										
	Total	313,327	41.7										
				M	L					H	M		
R2 - Heavy Weight Sloping Roof	Rural	227,087	30.2										
	Urban	51,711	6.9										
	Total	278,798	37.1										
				M	L					L	VL		
R3 - Flat Roof	Rural	77,881	10.4										
	Urban	81,845	10.9										
	Total	159,726	21.3										
				<i>Damage Risk as per that for the Wall supporting it</i>									
TOTAL HOUSES*		751,851											

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. 575 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