

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

DAMAN & DIU

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 %					
STATE - DAMAN & DIU						100		31.4		68.6			
WALL													
A1 - Mud & Unburnt Brick Wall	Rural	379	0.5										
	Urban	462	0.6										
	Total	841	1.1			M		VH		M			
A2 - Stone Wall not packed with mortar	Rural	661	0.9										
	Urban	305	0.4										
	Total	966	1.3			M		H		L			
Total - Category - A		1,807	2.4										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	15,454	20.6										
	Urban	53,502	71.2										
	Total	68,956	91.8			L		H		L			
Total - Category - B		68,956	91.8										
C1 - Concrete Wall	Rural	143	0.2										
	Urban	2,469	3.3										
	Total	2,612	3.5			VL		L		VL			
C2 - Wood wall	Rural	46	0.1										
	Urban	238	0.3										
	Total	284	0.4			VL		VH		M			
Total - Category - C		2,896	3.9										
X - Other Materials	Rural	525	0.7										
	Urban	924	1.2										
	Total	1,449	1.9			VL		VH		M			
Total - Category - X		1,449	1.9										
TOTAL HOUSES*		75,108											

ROOF												
R1 - Light Weight Sloping Roof	Rural	5,592	7.4									
	Urban	28,841	38.4									
	Total	34,433	45.8			L		VH		H		
R2 - Heavy Weight Sloping Roof	Rural	4,174	5.6									
	Urban	5,162	6.9									
	Total	9,336	12.5			L		H		L		
R3 - Flat Roof	Rural	7,442	9.9									
	Urban	23,897	31.8									
	Total	31,339	41.7	<i>Damage Risk as per that for the Wall supporting it</i>								
TOTAL HOUSES*		75,108										

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