

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

Table No. : TR 03

State : TRIPURA

DHALAI

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 %					
				100				100					
WALL													
A1 - Mud & Unburnt Brick Wall	Rural	38,566	38.7										
	Urban	3,672	3.7										
	Total	42,238	42.4	VH				VH					
A2 - Stone Wall not packed with mortar	Rural	197	0.2										
	Urban	52	0.1										
	Total	249	0.3	VH				H					
Total - Category - A		42,487	42.6										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	6,127	6.1										
	Urban	3,625	3.6										
	Total	9,752	9.7	H				H					
Total - Category - B		9,752	9.8										
C1 - Concrete Wall	Rural	329	0.3										
	Urban	31	-										
	Total	360	0.3	M				L					
C2 - Wood wall	Rural	106	0.1										
	Urban	52	0.1										
	Total	158	0.2	M				VH					
Total - Category - C		518	0.5										
X - Other Materials	Rural	41,204	41.3										
	Urban	5,773	5.8										
	Total	46,977	47.1	M				VH					
Total - Category - X		46,977	47.1										
TOTAL HOUSES*		99,734											

ROOF													
R1 - Light Weight Sloping Roof	Rural	84,173	84.4										
	Urban	11,917	11.9										
	Total	96,090	96.3	M				VH					
R2 - Heavy Weight Sloping Roof	Rural	1,008	1.0										
	Urban	217	0.2										
	Total	1,225	1.2	H				H					
R3 - Flat Roof	Rural	1,348	1.4										
	Urban	1,071	1.1										
	Total	2,419	2.5	Damage Risk as per that for the Wall supporting it									
TOTAL HOUSES*		99,734											

Probable Maximum Precipitation at a Station of the district in 24 hrs is 360 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