

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

TRIPURA

Wall / Roof		Census Houses		Level of Risk under									
		No. of Houses	%	EQ Zone				Wind Velocity m/s					Flood Prone Area in %
				V	IV	III	II	55 & 50	47	44 & 39	33		
				Area in %				Area in %					
STATE - TRIPURA				100				100					
WALL													
A1 - Mud & Unburnt Brick Wall	Rural	379,615	37.1										
	Urban	71,842	7.0										
	Total	451,457	44.1	VH				VH					
A2 - Stone Wall not packed with mortar	Rural	2,623	0.3										
	Urban	2,373	0.2										
	Total	4,996	0.5	VH				H					
Total - Category - A		456,453	44.6										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	64,165	6.3										
	Urban	105,568	10.3										
	Total	169,733	16.6	H				H					
Total - Category - B		169,733	16.6										
C1 - Concrete Wall	Rural	2,122	0.2										
	Urban	3,863	0.4										
	Total	5,985	0.6	M				L					
C2 - Wood wall	Rural	2,459	0.2										
	Urban	1,005	0.1										
	Total	3,464	0.3	M				VH					
Total - Category - C		9,449	0.9										
X - Other Materials	Rural	274,325	26.8										
	Urban	112,686	11.0										
	Total	387,011	37.8	M				VH					
Total - Category - X		387,011	37.8										
TOTAL HOUSES*		1,022,646											

ROOF												
R1 - Light Weight Sloping Roof	Rural	706,411	69.1									
	Urban	239,702	23.4									
	Total	946,113	92.5	M				VH				
R2 - Heavy Weight Sloping Roof	Rural	8,439	0.8									
	Urban	5,345	0.5									
	Total	13,784	1.3	H				H				
R3 - Flat Roof	Rural	10,459	1.0									
	Urban	52,290	5.1									
	Total	62,749	6.1	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		1,022,646										

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