

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

Table No. : TR 04

State : TRIPURA

NORTH TRIPURA

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	49,893	27.0										
	Urban	3,322	1.8										
	Total	53,215	28.8	VH				VH					
A2 - Stone Wall not packed with mortar	Rural	904	0.5										
	Urban	543	0.3										
	Total	1,447	0.8	VH				H					
Total - Category - A		54,662	29.6										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	19,139	10.4										
	Urban	18,065	9.8										
	Total	37,204	20.2	H				H					
Total - Category - B		37,204	20.2										
C1 - Concrete Wall	Rural	649	0.4										
	Urban	345	0.2										
	Total	994	0.6	M				L					
C2 - Wood wall	Rural	743	0.4										
	Urban	160	0.1										
	Total	903	0.5	M				VH					
Total - Category - C		1,897	1.0										
X - Other Materials	Rural	74,913	40.6										
	Urban	15,958	8.6										
	Total	90,871	49.2	M				VH					
Total - Category - X		90,871	49.2										
TOTAL HOUSES*		184,634											

ROOF												
R1 - Light Weight Sloping Roof	Rural	141,970	76.9									
	Urban	31,908	17.3									
	Total	173,878	94.2	M				VH				
R2 - Heavy Weight Sloping Roof	Rural	1,745	0.9									
	Urban	319	0.2									
	Total	2,064	1.1	H				H				
R3 - Flat Roof	Rural	2,526	1.4									
	Urban	6,166	3.3									
	Total	8,692	4.7	<i>Damage Risk as per that for the Wall supporting it</i>								
TOTAL HOUSES*		184,634										

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