

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

Table No. : TR 02

State : TRIPURA

SOUTH 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	120,293	47.5										
	Urban	11,028	4.4										
	Total	131,321	51.9	VH				VH					
A2 - Stone Wall not packed with mortar	Rural	626	0.2										
	Urban	154	0.1										
	Total	780	0.3	VH				H					
Total - Category - A		132,101	52.1										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	14,992	5.9										
	Urban	12,605	5.0										
	Total	27,597	10.9	H				H					
Total - Category - B		27,597	10.9										
C1 - Concrete Wall	Rural	482	0.2										
	Urban	411	0.2										
	Total	893	0.4	M				L					
C2 - Wood wall	Rural	698	0.3										
	Urban	165	0.1										
	Total	863	0.4	M				VH					
Total - Category - C		1,756	0.7										
X - Other Materials	Rural	74,741	29.5										
	Urban	17,209	6.8										
	Total	91,950	36.3	M				VH					
Total - Category - X		91,950	36.3										
TOTAL HOUSES*		253,404											

ROOF												
R1 - Light Weight Sloping Roof	Rural	206,767	81.6									
	Urban	36,395	14.4									
	Total	243,162	96.0	M				VH				
R2 - Heavy Weight Sloping Roof	Rural	2,232	0.9									
	Urban	607	0.2									
	Total	2,839	1.1	H				H				
R3 - Flat Roof	Rural	2,833	1.1									
	Urban	4,570	1.8									
	Total	7,403	2.9	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		253,404										

Probable Maximum Precipitation at a Station of the district in 24 hrs is 520 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