

**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								
		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 %				
				100				100				
<b>WALL</b>												
<b>A1 - Mud &amp; Unburnt Brick Wall</b>	Rural	120,293	47.5									
	Urban	11,028	4.4									
	<b>Total</b>	<b>131,321</b>	<b>51.9</b>	VH				VH				
<b>A2 - Stone Wall not packed with mortar</b>	Rural	626	0.2									
	Urban	154	0.1									
	<b>Total</b>	<b>780</b>	<b>0.3</b>	VH				H				
<b>Total - Category - A</b>		<b>132,101</b>	<b>52.1</b>									
<b>B - Burnt Bricks Wall &amp; Stone wall packed with mortar</b>	Rural	14,992	5.9									
	Urban	12,605	5.0									
	<b>Total</b>	<b>27,597</b>	<b>10.9</b>	H				H				
<b>Total - Category - B</b>		<b>27,597</b>	<b>10.9</b>									
<b>C1 - Concrete Wall</b>	Rural	482	0.2									
	Urban	411	0.2									
	<b>Total</b>	<b>893</b>	<b>0.4</b>	M				L				
<b>C2 - Wood wall</b>	Rural	698	0.3									
	Urban	165	0.1									
	<b>Total</b>	<b>863</b>	<b>0.4</b>	M				VH				
<b>Total - Category - C</b>		<b>1,756</b>	<b>0.7</b>									
<b>X - Other Materials</b>	Rural	74,741	29.5									
	Urban	17,209	6.8									
	<b>Total</b>	<b>91,950</b>	<b>36.3</b>	M				VH				
<b>Total - Category - X</b>		<b>91,950</b>	<b>36.3</b>									
<b>TOTAL HOUSES*</b>		<b>253,404</b>										

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

**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