

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

Table No. : AS 21

State : ASSAM

CHIRANG

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	5,306	3.9										
	Urban	176	0.1										
	<b>Total</b>	<b>5,482</b>	<b>4.0</b>	VH						H			
<b>A2 - Stone Wall not packed with mortar</b>	Rural	990	0.7										
	Urban	114	0.1										
	<b>Total</b>	<b>1,104</b>	<b>0.8</b>	VH						M			
<b>Total - Category - A</b>		<b>6,586</b>	<b>4.8</b>										
<b>B - Burnt Bricks Wall &amp; Stone wall packed with mortar</b>	Rural	11,395	8.3										
	Urban	4,927	3.6										
	<b>Total</b>	<b>16,322</b>	<b>11.9</b>	H						M			
<b>Total - Category - B</b>		<b>16,322</b>	<b>11.9</b>										
<b>C1 - Concrete Wall</b>	Rural	3,152	2.3										
	Urban	269	0.2										
	<b>Total</b>	<b>3,421</b>	<b>2.5</b>	M						VL			
<b>C2 - Wood wall</b>	Rural	4,116	3.0										
	Urban	345	0.3										
	<b>Total</b>	<b>4,461</b>	<b>3.3</b>	M						H			
<b>Total - Category - C</b>		<b>7,882</b>	<b>5.7</b>										
<b>X - Other Materials</b>	Rural	101,282	73.8										
	Urban	5,143	3.7										
	<b>Total</b>	<b>106,425</b>	<b>77.5</b>	M						H			
<b>Total - Category - X</b>		<b>106,425</b>	<b>77.6</b>										
<b>TOTAL HOUSES*</b>		<b>137,215</b>											
<b>ROOF</b>													
<b>R1 - Light Weight Sloping Roof</b>	Rural	122,756	89.5										
	Urban	10,257	7.5										
	<b>Total</b>	<b>133,013</b>	<b>97.0</b>	M						VH			
<b>R2 - Heavy Weight Sloping Roof</b>	Rural	2,393	1.7										
	Urban	457	0.3										
	<b>Total</b>	<b>2,850</b>	<b>2.0</b>	H						M			
<b>R3 - Flat Roof</b>	Rural	1,092	0.8										
	Urban	260	0.2										
	<b>Total</b>	<b>1,352</b>	<b>1.0</b>										
<b>TOTAL HOUSES*</b>		<b>137,215</b>											

Probable Maximum Precipitation at a Station of the district in one day for areal extent of 1000 sq.km. is **560 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