

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

**Table No. : AR 16**

**State : ARUNACHAL PRADESH**

**ANJAW**

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	19	0.3									
	Urban		-									
	Total	19	0.3	VH						M		
A2 - Stone Wall not packed with mortar	Rural	26	0.5									
	Urban	50	0.9									
	Total	76	1.4	VH						L		
Total - Category - A		95	1.7									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	45	0.8									
	Urban	11	0.2									
	Total	56	1.0	H						L		
Total - Category - B		56	1.0									
C1 - Concrete Wall	Rural	549	9.6									
	Urban		-									
	Total	549	9.6	M						VL		
C2 - Wood wall	Rural	564	9.9									
	Urban	32	0.6									
	Total	596	10.5	M						M		
Total - Category - C		1,145	20.0									
X - Other Materials	Rural	4,210	73.6									
	Urban	213	3.7									
	Total	4,423	77.3	M						M		
Total - Category - X		4,423	77.3									
TOTAL HOUSES*		5,719										

ROOF												
R1 - Light Weight Sloping Roof	Rural	5,349	93.5									
	Urban	305	5.3									
	Total	5,654	98.8	M						M		
R2 - Heavy Weight Sloping Roof	Rural	42	0.7									
	Urban	1	-									
	Total	43	0.7	M						H		
R3 - Flat Roof	Rural	22	0.4									
	Urban		-									
	Total	22	0.4	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		5,719										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. **347 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