

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

Table No. : AN 01

State : ANDAMAN & NICOBAR ISLANDS

NICOBARS

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	7	0.1									
	Urban	-	-									
	Total	7	0.1	VH						M		
A2 - Stone Wall not packed with mortar	Rural	36	0.3									
	Urban	-	-									
	Total	36	0.3	VH						L		
Total - Category - A		43	0.4									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	223	1.9									
	Urban	-	-									
	Total	223	1.9	H						L		
Total - Category - B		223	1.9									
C1 - Concrete Wall	Rural	1,750	15.0									
	Urban	-	-									
	Total	1,750	15.0	M						VL		
C2 - Wood wall	Rural	6,582	56.5									
	Urban	-	-									
	Total	6,582	56.5	M						M		
Total - Category - C		8,332	71.5									
X - Other Materials	Rural	3,051	26.2									
	Urban	-	-									
	Total	3,051	26.2	M						M		
Total - Category - X		3,051	26.2									
TOTAL HOUSES*		11,649										

ROOF												
R1 - Light Weight Sloping Roof	Rural	11,403	97.9									
	Urban	-	-									
	Total	11,403	97.9	M						H		
R2 - Heavy Weight Sloping Roof	Rural	36	0.3									
	Urban	-	-									
	Total	36	0.3	H						L		
R3 - Flat Roof	Rural	210	1.8									
	Urban	-	-									
	Total	210	1.8	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		11,649										

Probable Maximum Precipitation at a Station of the district in 24 hrs is **N.A. 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