

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

Table No. : AN 03

State : ANDAMAN & NICOBAR ISLANDS

SOUTH ANDAMAN

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	584	0.8										
	Urban	392	0.5										
	Total	976	1.3	VH								M	
A2 - Stone Wall not packed with mortar	Rural	329	0.4										
	Urban	303	0.4										
	Total	632	0.8	VH								L	
Total - Category - A		1,608	2.2										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	2,528	3.4										
	Urban	2,967	4.0										
	Total	5,495	7.4	H								L	
Total - Category - B		5,495	7.4										
C1 - Concrete Wall	Rural	11,001	14.8										
	Urban	29,528	39.8										
	Total	40,529	54.6	M								VL	
C2 - Wood wall	Rural	6,090	8.2										
	Urban	7,391	10.0										
	Total	13,481	18.2	M								M	
Total - Category - C		54,010	72.9										
X - Other Materials	Rural	9,127	12.3										
	Urban	3,887	5.2										
	Total	13,014	17.5	M								M	
Total - Category - X		13,014	17.6										
TOTAL HOUSES*		74,127											

ROOF													
R1 - Light Weight Sloping Roof	Rural	27,031	36.5										
	Urban	32,328	43.6										
	Total	59,359	80.1	M								H	
R2 - Heavy Weight Sloping Roof	Rural	201	0.3										
	Urban	452	0.6										
	Total	653	0.9	H								L	
R3 - Flat Roof	Rural	2,427	3.3										
	Urban	11,688	15.8										
	Total	14,115	19.1	Damage Risk as per that for the Wall supporting it									
TOTAL HOUSES*		74,127											

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