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

ANDAMAN & NICOBAR ISLANDS

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 %				
STATE - ANDAMAN & NICOBAR ISLANDS				100						100		
WALL												
A1 - Mud &	Rural	716	0.6									
Unburnt Brick Wall	Urban	397	0.3									
	Total	*1,113*	*0.9*	VH						M		
A2 - Stone Wall	Rural	419	0.3									
not packed with mortar	Urban	304	0.3									
	Total	*723*	*0.6*	VH						L		
Total - Category - A		*1,836*	*1.5*									
B - Burnt Bricks Wall	Rural	5,792	4.8									
& Stone wall packed	Urban	3,004	2.5									
with mortar	*Total*	*8,796*	*7.3*	H						L		
Total - Category - B		*8,796*	*7.2*									
C1 - Concrete Wall	Rural	17,601	14.5									
	Urban	29,694	24.4									
	Total	*47,295*	*38.9*	M						VL		
C2 - Wood wall	Rural	16,415	13.5									
	Urban	7,691	6.3									
	Total	*24,106*	*19.8*	M						M		
Total - Category - C		*71,401*	*58.7*									
X - Other Materials	Rural	35,181	28.9									
	Urban	4,326	3.6									
	Total	*39,507*	*32.5*	M						M		
Total - Category - X		*39,507*	*32.5*									
TOTAL HOUSES*		**121,540**										
ROOF												
R1 - Light Weight	Rural	72,045	59.3									
Sloping Roof	Urban	33,261	27.4									
	Total	*105,306*	*86.7*	M						H		
R2 - Heavy Weight	Rural	331	0.3									
Sloping Roof	Urban	454	0.4									
	Total	*785*	*0.7*	H						L		
R3 - Flat Roof	Rural	3,748	3.1									
	Urban	11,701	9.6									
	Total	*15,449*	*12.7*	*Damage Risk as per that for the Wall supporting it*								
TOTAL HOUSES*		**121,540**										

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 chocked 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