

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

Table No. : OR 29

State : ODISHA

KORAPUT

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		47.3	52.7		
WALL												
A1 - Mud & Unburnt Brick Wall	Rural	232,365	53.2									
	Urban	12,499	2.9									
	Total	244,864	56.1				L		H	M		
A2 - Stone Wall not packed with mortar	Rural	6,473	1.5									
	Urban	967	0.2									
	Total	7,440	1.7				L		M	L		
Total - Category - A		252,304	57.8									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	94,515	21.6									
	Urban	50,209	11.5									
	Total	144,724	33.1				VL		M	L		
Total - Category - B		144,724	33.1									
C1 - Concrete Wall	Rural	1,687	0.4									
	Urban	3,168	0.7									
	Total	4,855	1.1				VL		VL	VL		
C2 - Wood wall	Rural	7,064	1.6									
	Urban	480	0.1									
	Total	7,544	1.7				VL		H	M		
Total - Category - C		12,399	2.8									
X - Other Materials	Rural	24,672	5.6									
	Urban	2,688	0.6									
	Total	27,360	6.2				VL		H	M		
Total - Category - X		27,360	6.3									
TOTAL HOUSES*		436,787										

ROOF												
R1 - Light Weight Sloping Roof	Rural	257,224	58.9									
	Urban	32,742	7.5									
	Total	289,966	66.4				VL		VH	H		
R2 - Heavy Weight Sloping Roof	Rural	94,432	21.6									
	Urban	6,586	1.5									
	Total	101,018	23.1				VL		M	L		
R3 - Flat Roof	Rural	15,120	3.5									
	Urban	30,683	7.0									
	Total	45,803	10.5	<i>Damage Risk as per that for the Wall supporting it</i>								
TOTAL HOUSES*		436,787										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. **627 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