

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

Table No. : CT 03

State : CHHATTISGARH

JASHPUR

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 %					
						100				100			
WALL													
A1 - Mud & Unburnt Brick Wall	Rural	181,008	83.9										
	Urban	9,615	4.5										
	Total	190,623	88.4					<i>L</i>			<i>M</i>		
A2 - Stone Wall not packed with mortar	Rural	357	0.2										
	Urban	75	-										
	Total	432	0.2					<i>L</i>			<i>L</i>		
Total - Category - A		191,055	88.6										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	14,624	6.8										
	Urban	8,595	4.0										
	Total	23,219	10.8					<i>VL</i>			<i>L</i>		
Total - Category - B		23,219	10.8										
C1 - Concrete Wall	Rural	221	0.1										
	Urban	140	0.1										
	Total	361	0.2					<i>VL</i>			<i>VL</i>		
C2 - Wood wall	Rural	111	0.1										
	Urban	9	-										
	Total	120	0.1					<i>VL</i>			<i>M</i>		
Total - Category - C		481	0.2										
X - Other Materials	Rural	777	0.4										
	Urban	129	0.1										
	Total	906	0.5					<i>VL</i>			<i>M</i>		
Total - Category - X		906	0.4										
TOTAL HOUSES*		215,661											

ROOF												
R1 - Light Weight Sloping Roof	Rural	9,007	4.2									
	Urban	2,231	1.0									
	Total	11,238	5.2					<i>VL</i>			<i>H</i>	
R2 - Heavy Weight Sloping Roof	Rural	179,187	83.1									
	Urban	10,629	4.9									
	Total	189,816	88.0					<i>VL</i>			<i>L</i>	
R3 - Flat Roof	Rural	8,904	4.1									
	Urban	5,703	2.6									
	Total	14,607	6.7	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		215,661										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. 567 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