

## 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								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	181,008	83.9									
	Urban	9,615	4.5									
	Total	190,623	88.4				L			M		
A2 - Stone Wall not packed with mortar	Rural	357	0.2									
	Urban	75	-									
	Total	432	0.2				L			L		
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				VL			L		
Total - Category - B		23,219	10.8									
C1 - Concrete Wall	Rural	221	0.1									
	Urban	140	0.1									
	Total	361	0.2				VL			VL		
C2 - Wood wall	Rural	111	0.1									
	Urban	9	-									
	Total	120	0.1				VL			M		
Total - Category - C		481	0.2									
X - Other Materials	Rural	777	0.4									
	Urban	129	0.1									
	Total	906	0.5				VL			M		
Total - Category - X		906	0.4									
TOTAL HOUSES*		215,661										

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

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