

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

Table No. : BH 36

State : BIHAR

JAMUI

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 %				
				72.6	27.4				9.4	90.6		3.2
WALL												
A1 - Mud & Unburnt Brick Wall	Rural	172,781	50.0									
	Urban	7,740	2.2									
	Total	180,521	52.2		<i>H</i>	<i>M</i>			<i>H</i>	<i>M</i>		<i>VH</i>
A2 - Stone Wall not packed with mortar	Rural	3,057	0.9									
	Urban	314	0.1									
	Total	3,371	1.0		<i>H</i>	<i>M</i>			<i>M</i>	<i>L</i>		<i>VH</i>
Total - Category - A		183,892	53.2									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	119,563	34.6									
	Urban	19,465	5.6									
	Total	139,028	40.2		<i>M</i>	<i>L</i>			<i>M</i>	<i>L</i>		<i>H/M</i>
Total - Category - B		139,028	40.2									
C1 - Concrete Wall	Rural	3,609	1.0									
	Urban	451	0.1									
	Total	4,060	1.1		<i>L</i>	<i>VL</i>			<i>VL</i>	<i>VL</i>		<i>L/ VL</i>
C2 - Wood wall	Rural	654	0.2									
	Urban	76	-									
	Total	730	0.2		<i>L</i>	<i>VL</i>			<i>H</i>	<i>M</i>		<i>H</i>
Total - Category - C		4,790	1.4									
X - Other Materials	Rural	16,796	4.9									
	Urban	990	0.3									
	Total	17,786	5.2		<i>VL</i>	<i>VL</i>			<i>H</i>	<i>M</i>		<i>VH</i>
Total - Category - X		17,786	5.1									
TOTAL HOUSES*		345,496										

ROOF													
R1 - Light Weight Sloping Roof	Rural	70,833	20.5										
	Urban	4,839	1.4										
	Total	75,672	21.9		<i>M</i>	<i>L</i>			<i>VH</i>	<i>H</i>		<i>VH</i>	
R2 - Heavy Weight Sloping Roof	Rural	147,310	42.6										
	Urban	7,192	2.1										
	Total	154,502	44.7		<i>M</i>	<i>L</i>			<i>M</i>	<i>L</i>		<i>H</i>	
R3 - Flat Roof	Rural	98,317	28.5										
	Urban	17,005	4.9										
	Total	115,322	33.4		Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		345,496											

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. 597 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