

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

Table No. : BH 37

State : BIHAR

JEHANABAD

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 %				
				13.1	86.9				100			1.7
WALL												
A1 - Mud & Unburnt Brick Wall	Rural	59,344	28.6									
	Urban	3,260	1.6									
	Total	62,604	30.2		<i>H</i>	<i>M</i>			<i>H</i>			<i>VH</i>
A2 - Stone Wall not packed with mortar	Rural	2,700	1.3									
	Urban	528	0.3									
	Total	3,228	1.6		<i>H</i>	<i>M</i>			<i>M</i>			<i>VH</i>
Total - Category - A		65,832	31.7									
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	109,196	52.6									
	Urban	21,005	10.1									
	Total	130,201	62.7		<i>M</i>	<i>L</i>			<i>M</i>			<i>H/M</i>
Total - Category - B		130,201	62.7									
C1 - Concrete Wall	Rural	1,587	0.8									
	Urban	627	0.3									
	Total	2,214	1.1		<i>L</i>	<i>VL</i>			<i>VL</i>			<i>L/ VL</i>
C2 - Wood wall	Rural	205	0.1									
	Urban	53	-									
	Total	258	0.1		<i>L</i>	<i>VL</i>			<i>H</i>			<i>H</i>
Total - Category - C		2,472	1.2									
X - Other Materials	Rural	8,445	4.1									
	Urban	825	0.4									
	Total	9,270	4.5		<i>VL</i>	<i>VL</i>			<i>H</i>			<i>VH</i>
Total - Category - X		9,270	4.5									
TOTAL HOUSES*		207,775										

ROOF												
R1 - Light Weight Sloping Roof	Rural	54,402	26.2									
	Urban	4,228	2.0									
	Total	58,630	28.2		<i>M</i>	<i>L</i>			<i>VH</i>			<i>VH</i>
R2 - Heavy Weight Sloping Roof	Rural	47,125	22.7									
	Urban	3,825	1.8									
	Total	50,950	24.5		<i>M</i>	<i>L</i>			<i>M</i>			<i>H</i>
R3 - Flat Roof	Rural	79,950	38.5									
	Urban	18,245	8.8									
	Total	98,195	47.3		Damage Risk as per that for the Wall supporting it							
TOTAL HOUSES*		207,775										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. 578 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