

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

Table No. : BH 03

State : BIHAR

SHEOHAR

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 %					
				7.3	92.7				100				
WALL													
A1 - Mud & Unburnt Brick Wall	Rural	8,918	5.4										
	Urban	731	0.4										
	Total	9,649	5.8	VH	H					H			
A2 - Stone Wall not packed with mortar	Rural	532	0.3										
	Urban	65	-										
	Total	597	0.3	VH	H					M			
Total - Category - A		10,246	6.2										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	56,239	34.2										
	Urban	4,205	2.6										
	Total	60,444	36.8	H	M					M			
Total - Category - B		60,444	36.8										
C1 - Concrete Wall	Rural	550	0.3										
	Urban	98	0.1										
	Total	648	0.4	M	L					VL			
C2 - Wood wall	Rural	1,306	0.8										
	Urban	56	-										
	Total	1,362	0.8	M	L					H			
Total - Category - C		2,010	1.2										
X - Other Materials	Rural	89,581	54.5										
	Urban	2,080	1.3										
	Total	91,661	55.8	M	VL					H			
Total - Category - X		91,661	55.8										
TOTAL HOUSES*		164,361											

ROOF												
R1 - Light Weight Sloping Roof	Rural	96,356	58.6									
	Urban	2,686	1.6									
	Total	99,042	60.2	M	M					VH		
R2 - Heavy Weight Sloping Roof	Rural	31,404	19.1									
	Urban	1,470	0.9									
	Total	32,874	20.0	H	M					M		
R3 - Flat Roof	Rural	29,366	17.9									
	Urban	3,079	1.9									
	Total	32,445	19.8	Damage Risk as per that for the Wall supporting it								
TOTAL HOUSES*		164,361										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. 563 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