

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

Table No. : RJ 26

State : RAJASTHAN

DUNGARPUR

Wall / Roof		Census Houses		Level of Risk under									Flood Pron e Area
		No. of Houses	%	EQ Zone				Wind Velocity m/s					
				V	IV	III	II	55 & 50	47	44 & 39	33		
				Area in %				Area in %					
					14.4	85.6			.1	99.9			
WALL													
A1 - Mud & Unburnt Brick Wall	Rural	211,073	64.4										
	Urban	3,667	1.1										
	Total	214,740	65.5					<i>M</i>	<i>L</i>		<i>H</i>	<i>M</i>	
A2 - Stone Wall not packed with mortar	Rural	9,687	3.0										
	Urban	1,027	0.3										
	Total	10,714	3.3					<i>M</i>	<i>L</i>		<i>M</i>	<i>L</i>	
Total - Category - A		225,454	68.8										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	77,191	23.5										
	Urban	20,191	6.2										
	Total	97,382	29.7					<i>L</i>	<i>VL</i>		<i>M</i>	<i>L</i>	
Total - Category - B		97,382	29.7										
C1 - Concrete Wall	Rural	364	0.1										
	Urban	173	0.1										
	Total	537	0.2					<i>VL</i>	<i>VL</i>		<i>VL</i>	<i>VL</i>	
C2 - Wood wall	Rural	744	0.2										
	Urban	71	-										
	Total	815	0.2					<i>VL</i>	<i>VL</i>		<i>H</i>	<i>M</i>	
Total - Category - C		1,352	0.4										
X - Other Materials	Rural	3,454	1.1										
	Urban	275	0.1										
	Total	3,729	1.2					<i>VL</i>	<i>VL</i>		<i>H</i>	<i>M</i>	
Total - Category - X		3,729	1.1										
TOTAL HOUSES*		327,917											

ROOF													
R1 - Light Weight Sloping Roof	Rural	36,171	11.0										
	Urban	2,314	0.7										
	Total	38,485	11.7					<i>L</i>	<i>VL</i>		<i>VH</i>	<i>H</i>	
R2 - Heavy Weight Sloping Roof	Rural	249,642	76.1										
	Urban	12,976	4.0										
	Total	262,618	80.1					<i>L</i>	<i>VL</i>		<i>M</i>	<i>L</i>	
R3 - Flat Roof	Rural	16,700	5.1										
	Urban	10,114	3.1										
	Total	26,814	8.2	<i>Damage Risk as per that for the Wall supporting it</i>									
TOTAL HOUSES*		327,917											

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. 492 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