

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

Table No. : DL 01

State : NCT OF DELHI

NORTH WEST

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				4.6	
WALL													
A1 - Mud & Unburnt Brick Wall	Rural	1,916	0.2										
	Urban	17,847	2.0										
	Total	19,763	2.2		H			VH				VH	
A2 - Stone Wall not packed with mortar	Rural	1,037	0.1										
	Urban	10,399	1.2										
	Total	11,436	1.3		H			H				VH	
Total - Category - A		31,199	3.6										
B - Burnt Bricks Wall & Stone wall packed with mortar	Rural	47,148	5.4										
	Urban	735,734	84.1										
	Total	782,882	89.5		M			H				H/M	
Total - Category - B		782,882	89.5										
C1 - Concrete Wall	Rural	1,698	0.2										
	Urban	45,805	5.2										
	Total	47,503	5.4		L			L				L/VL	
C2 - Wood wall	Rural	119	-										
	Urban	976	0.1										
	Total	1,095	0.1		L			VH				H	
Total - Category - C		48,598	5.6										
X - Other Materials	Rural	1,484	0.2										
	Urban	10,380	1.2										
	Total	11,864	1.4		VL			VH				VH	
Total - Category - X		11,864	1.4										
TOTAL HOUSES*		874,543											

ROOF												
R1 - Light Weight Sloping Roof	Rural	11,691	1.3									
	Urban	66,365	7.6									
	Total	78,056	8.9		M			VH				VH
R2 - Heavy Weight Sloping Roof	Rural	23,022	2.6									
	Urban	214,127	24.5									
	Total	237,149	27.1		M			H				H
R3 - Flat Roof	Rural	18,689	2.1									
	Urban	540,649	61.8									
	Total	559,338	63.9		Damage Risk as per that for the Wall supporting it							
TOTAL HOUSES*		874,543										

Probable Maximum Precipitation at a Station of the district in 24 hrs is N.A. 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