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

DADRA & NAGAR HAVELI

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 %				
STATE - DADRA & NAGAR HAVELI						100				100		
WALL												
A1 - Mud &	Rural	5,434	6.1									
Unburnt Brick Wall	Urban	1,852	2.1									
	Total	*7,286*	*8.2*			M				M		
A2 - Stone Wall	Rural	133	0.1									
not packed with mortar	Urban	153	0.2									
	Total	*286*	*0.3*			M				L		
Total - Category - A		**7,572**	**8.4**									
B - Burnt Bricks Wall	Rural	15,892	17.7									
& Stone wall packed	Urban	41,362	46.1									
with mortar	*Total*	*57,254*	*63.8*			L				L		
Total - Category - B		**57,254**	**63.9**									
C1 - Concrete Wall	Rural	1,331	1.5									
	Urban	1,956	2.2									
	Total	*3,287*	*3.7*			VL				VL		
C2 - Wood wall	Rural	198	0.2									
	Urban	240	0.3									
	Total	*438*	*0.5*			VL				M		
Total - Category - C		**3,725**	**4.2**									
X - Other Materials	Rural	18,050	20.1									
	Urban	3,051	3.4									
	Total	*21,101*	*23.5*			VL				M		
Total - Category - X		**21,101**	**23.5**									
TOTAL HOUSES*		**89,652**										
ROOF												
R1 - Light Weight	Rural	12,509	14.0									
Sloping Roof	Urban	22,810	25.4									
	Total	*35,319*	*39.4*			L				H		
R2 - Heavy Weight	Rural	24,146	26.9									
Sloping Roof	Urban	4,119	4.6									
	Total	*28,265*	*31.5*			L				L		
R3 - Flat Roof	Rural	4,383	4.9									
	Urban	21,685	24.2									
	Total	*26,068*	*29.1*	*Damage Risk as per that for the Wall supporting it*								
TOTAL HOUSES*		**89,652**										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm.   1082 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 and 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 chocked drainage.

2. Source of Housing Data : Census of Housing, GOI, 2011

Level of Risk : VH = Very High; H = High; M = Moderate; L = Low; VL = Very Low

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)

* Total No.of Houses excluding Vacant/Locked Houses