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

TELANGANA

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 %				
						28.0	72.0			100.0		2.2
WALL												
A1 - Mud &	Rural	1,464,232	15.6									
Unburnt Brick Wall	Urban	267,121	2.8									
	Total	**1,731,353**	**18.4**			M	L			M		VH
A2 - Stone Wall	Rural	355,039	3.8									
not packed with mortar	Urban	103,121	1.1									
	Total	**458,160**	**4.9**			M	L			L		VH
Total - Category - A		**2,189,513**	**23.3**									
B - Burnt Bricks Wall	Rural	3,283,066	34.9									
& Stone wall packed	Urban	2,980,091	31.7									
with mortar	*Total*	**6,263,157**	**66.6**			L	VL			L		H/M
Total - Category - B		**6,263,157**	**66.5**									
C1 - Concrete Wall	Rural	64,086	0.7									
	Urban	180,831	1.9									
	Total	**244,917**	**2.6**			VL	VL			VL		L/VL
C2 - Wood Wall	Rural	98,766	1.0									
	Urban	12,160	0.1									
	Total	**110,926**	**1.1**			VL	VL			M		H
Total - Category - C		**355,843**	**3.8**									
X - Other Materials	Rural	518,303	5.5									
	Urban	87,864	0.9									
	Total	**606,167**	**6.4**			VL	VL			M		VH
Total - Category - X		**606,167**	**6.4**									
TOTAL HOUSES*		**9,414,680**										
ROOF												
R1 - Light Weight	Rural	1,537,122	16.3									
Sloping Roof	Urban	886,997	9.4									
	Total	**2,424,119**	**25.7**			L	VL			H		VH
R2 - Heavy Weight	Rural	2,332,684	24.8									
Sloping Roof	Urban	371,355	3.9									
	Total	**2,704,039**	**28.7**			L	VL			L		H
R3 - Flat Roof	Rural	1,913,686	20.3									
	Urban	2,372,836	25.2									
	Total	**4,286,522**	**45.5**	*Damage Risk as per that for the Wall supporting it*								
TOTAL HOUSES*		**9,414,680**										

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 chocked 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

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