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

Table No. : UP 34 **State : UTTAR PRADESH** **JALAUN**

Wall / Roof		Census Houses — No. of Houses	%	EQ Zone V	IV	III	II	Wind Velocity m/s 55 & 50	47	44 & 39	33	Flood Prone Area in %
				Area in %			100	Area in %	100			10.4
WALL												
A1 - Mud &	Rural	120,903	32.1									
Unburnt Brick Wall	Urban	12,118	3.2									
	Total	**133,021**	**35.3**				*L*		*H*			*VH*
A2 - Stone Wall	Rural	2,618	0.7									
not packed with mortar	Urban	1,230	0.3									
	Total	**3,848**	**1.0**				*L*		*M*			*VH*
Total - Category - A		**136,869**	**36.4**									
B - Burnt Bricks Wall	Rural	153,865	40.9									
& Stone wall packed	Urban	66,982	17.8									
with mortar	*Total*	**220,847**	**58.7**				*VL*		*M*			*H/M*
Total - Category - B		**220,847**	**58.7**									
C1 - Concrete Wall	Rural	1,263	0.3									
	Urban	853	0.2									
	Total	**2,116**	**0.5**				*VL*		*VL*			*L/VL*
C2 - Wood wall	Rural	315	0.1									
	Urban	299	0.1									
	Total	**614**	**0.2**				*VL*		*H*			*H*
Total - Category - C		**2,730**	**0.7**									
X - Other Materials	Rural	13,176	3.5									
	Urban	2,899	0.8									
	Total	**16,075**	**4.3**				*VL*		*H*			*VH*
Total - Category - X		**16,075**	**4.3**									
TOTAL HOUSES*		**376,521**										
ROOF												
R1 - Light Weight	Rural	71,230	18.9									
Sloping Roof	Urban	10,738	2.9									
	Total	**81,968**	**21.8**				*VL*		*VH*			*VH*
R2 - Heavy Weight	Rural	118,281	31.4									
Sloping Roof	Urban	11,989	3.2									
	Total	**130,270**	**34.6**				*VL*		*M*			*H*
R3 - Flat Roof	Rural	102,629	27.3									
	Urban	61,654	16.4									
	Total	**164,283**	**43.7**	*Damage Risk as per that for the Wall supporting it*								
TOTAL HOUSES*		**376,521**										

Probable Maximum Precipitation at a Station of the district in one day for arial extent of 1000 sqm. 536 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 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