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

Table No. : MG 05　　　　　　　**State : MEGHALAYA**　　　　　　　**RIBHOI**

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 %				
				100				100				
WALL												
A1 - Mud &	Rural	3,685	6.2									
Unburnt Brick Wall	Urban	211	0.4									
	Total	*3,896*	*6.6*	VH				VH				
A2 - Stone Wall	Rural	981	1.6									
not packed with mortar	Urban	89	0.1									
	Total	*1,070*	*1.7*	VH				H				
Total - Category - A		4,966	8.3									
B - Burnt Bricks Wall	Rural	6,683	11.2									
& Stone wall packed	Urban	554	0.9									
with mortar	*Total*	*7,237*	*12.1*	H				H				
Total - Category - B		7,237	12.1									
C1 - Concrete Wall	Rural	6,254	10.5									
	Urban	1,881	3.2									
	Total	*8,135*	*13.7*	M				L				
C2 - Wood wall	Rural	9,281	15.6									
	Urban	444	0.7									
	Total	*9,725*	*16.3*	M				VH				
Total - Category - C		17,860	30.0									
X - Other Materials	Rural	27,783	46.6									
	Urban	1,754	2.9									
	Total	*29,537*	*49.5*	M				VH				
Total - Category - X		29,537	49.6									
TOTAL HOUSES*		**59,600**										
ROOF												
R1 - Light Weight	Rural	50,725	85.1									
Sloping Roof	Urban	3,960	6.6									
	Total	*54,685*	*91.7*	M				VH				
R2 - Heavy Weight	Rural	1,283	2.2									
Sloping Roof	Urban	172	0.3									
	Total	*1,455*	*2.5*	H				H				
R3 - Flat Roof	Rural	2,659	4.5									
	Urban	801	1.3									
	Total	*3,460*	*5.8*	*Damage Risk as per that for the Wall supporting it*								
TOTAL HOUSES*		**59,600**										

Probable Maximum Precipitation at a Station of the district in 24 hrs is   840 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