

Sr.	Description	HAZUS PARAMETERS											VULNERABILITY PARAMETERS			STRUCTURAL IDENTIFICATION			APPROACH IDENTIFICATION			
		Dy	Ay	Du	Au	Sc	BE	kshort	kmed	klong	L15	β_{14}	β_{14}	Pc	Natural Period	Ductility Factor	Strength Reduction Factor	Failure Mode	Vertical Structure	Horizontal Structure	Pager Structure Type	Reference
1	Non-Ductile Reinforced Con 0.044 m	0.17g	0.6 m	0.2g	0.83 m	0.05	0.5	0.3	0.1	10%	0.6 m	25%	0.96	14	5	Flexural failure of IRC Frame designe	Rigid Diaphragm	C3	Kaushik, H.B., R Capacity Spectrum Me/ATC40 Method			
2	Non-Ductile Reinforced Con 0.015 m	0.75g	0.06 m	1.5g	0.62 m	0.05	0.5	0.3	0.1	10%	0.62 m	10%	0.28	6	5	Failure of I storey RC Frame designe	Rigid Diaphragm	C3	Kaushik, H.B., R Capacity Spectrum Me/ATC40 Method			
3	Non-Ductile Reinforced Con 0.024 m	0.15g	0.47 m	0.2g	0.47 m	0.05	0.5	0.3	0.1	10%	0.47 m	100%	0.8	13	5	Shear failure of I s RC Frame designe	Rigid Diaphragm	C3	Kaushik, H.B., R Capacity Spectrum Me/ATC40 Method			
4	Non-Ductile Reinforced Con 0.003 m	0.25g	0.018 m	0.73g	0.028 m (at fail	0.05	0.5	0.3	0.1	10%	0.028 m	20%	0.25		5	Failure of I storey RC Frame designe	Rigid Diaphragm	C3	Bhattacharya, S. Capacity Spectrum Me/ATC40 Method			
5	Non-Ductile Reinforced Con 0.004 m	0.1g	0.092 m	0.4g	0.092 m	0.05	0.5	0.3	0.1	10%	0.092 m	100%	0.45	21	5	Shear failure of I s RC Frame designe	Rigid Diaphragm	C3	Bhattacharya, S. Capacity Spectrum Me/ATC40 Method			
							From Table 5.18 of HAZUS Technical Manual for Building Type C3M				Table 13.7		Final SD									
											Severity 4											

These results were based on analytical simulations of typical reinforced concrete buildings constructed in India. There were limitations in the program used to generate these data points along with modeling assumptions (reinforced concrete and masonry elements). Therefore, behaviour and performance of actual structures may be different than these analytically obtained values.