Content

Serial	Name of topic		Sub Parts	Page
no				no
1	Introduction			1
		1.1	scope & purpose	1
		1.2	Nature Of Earthquake	2
		1.3	Uses Of RVS Results	3
2	Earthquake behaviour of buildings			4
		2.1	Earthquake Effects	4
		2.2	How Earthquake Forces Are Resisted	5
		2.3	Types Of Building Structures And Typical Earthquake Damage	5
		2.4	Configuration Problems	6
		2.5	Non-Structural Hazards	6
		2.6	Seismic Zone Of India	7
3	General survey implementation instructions			8
		3.1	Survey Implementation Sequence	8
		3.2	Pre-Field Planning	8
		3.3	Training Of Personnel	9
		3.4	Surveying Tools	9
4	Completing the data collection Form	3.5	Information Sources	10
		4.1	Some Important Points	11
		4.2	Verifying And Updating The Building Identification Information	11
		4.3	Sketching The Plan & Elevation Views	13
		4.4	Determining Soil Type	13
		4.5	Determining And Documenting Occupancy	13
		4.6	Identifying Potential	14

		4.7	Identifying The Lateral Load Besisting	15
		4./	Identifying The Lateral-Load Resisting	13
			System And Documenting The Related Basic Structural Score	
		4.8		17
		4.0	Identifying Seismic Performance	1/
		4.0	Attributes And Recording Score Modifiers	10
		4.9	Determining The Final Score	19
		4.10	Photographing The Building	20
-	He're the DVC	4.11	Comments Section	20
5	Using the RVS			21
	procedure results	- 4	0,000	
		5.1	Interpretation Of RVS Score	21
		5.2	Selection Of RVS "Cut-Off" Score	21
		5.3	Prior Uses Of The RVS Procedure	21
		5.4	Other Possible Uses Of The RVS Procedure	22
6	Analysis of Different			23
	concrete frame with			
	different seismic zone			
		6.1	concrete moment resisting frame (c1) &	23
			with low seismic zone (z1):	
		6.2	concrete moment resisting frame (c1) &	26
			with moderate seismic zone (z2):	
		6.3	concrete moment resisting frame (c1) &	29
			with high seismic zone (z3):	
		6.4	concrete shear wall frame (c2) & low	32
			seismic zone (z1	
		6.5	concrete shear wall frame (c2) &	35
			moderate seismic zone (z2):	
		6.6	concrete shear wall frame (c2) & high	39
			seismic zone (z3):	
		6.7	concrete frame with unreinforced	42
			masonry infill walls (c3) & with low seismic	
			zone (z1):	
		6.8	concrete frame with unreinforced	45
			masonry infill walls (c3) & with moderate	
			seismic zone (z2):	
		6.9	Concrete Frame With Unreinforced	49
			Masonry Infill Walls (C3) & With High	
			Seismic Zone (Z3):	

7	Rapid visual screening of building for potential seismic hazards For different type of seismic zone			52
		7.1	RVS form for Low seismic zone	52
		7.2	RVS form for Moderate seismic zone	53
		7.3	RVS form for High seismic zone	54
8	Result		Result in Tabular Form	56
		8.1	Score of C1-Z1	56
		8.2	Score of C1-Z2	57
		8.3	Score of C1-Z3	58
		8.4	Score of C2-Z1	59
		8.5	Score of C2-Z2	60
		8.6	Score ofC2-Z3	61
		8.7	Score of C3-Z1	62
		8.8	Score of C3-Z2	63
		8.9	Score of C3-Z3	64
9	Conclusion			65
10	Reference			66

LIST OF FIGURES

FIGURE NO.	NAME OF FIGURES	PAGE NO
1	Part of RVS form Building identification	11
2	Part of RVS form Plan & Elevation	13
3	Part of RVS form Soil Type	13
4	Part of RVS form Occupancy	14
5	Part of RVS form Falling Hazards	14
6	Part of RVS form Basic scores	16
7	Part of RVS form Basic Score, Modifier & final Score	17
8	Type of vertical Irregularities	18
9	Type of plan irregularities	18
10	Part of RVS form Final score & comment	20
11	RVS form for Low seismic zone	53
12	RVS form for Moderate seismic zone	54
13	RVS form for high seismic zone	55

LIST OF TALBLES

S. NO.	NAME OF TABLE	PAGE NO
1	Score of C1-Z1	56
2	Score of C1-Z2	57
3	Score of C1-Z3	58
4	Score of C2-Z1	59
5	Score of C2-Z2	60
6	Score ofC2-Z3	61
7	Score of C3-Z1	62
8	Score of C3-Z2	63
9	Score of C3-Z3	64