

Composition of Working Groups of CED39

Annexure 60.09

Composition of Working Groups

Code of Practice	IS 1893 Design Earthquake Hazard and Criteria for Earthquake Resistant Design of Structures
Code of Practice	IS 13920 Earthquake Resistant Design and Detailing of Structures
Guidelines	IS 13935 Earthquake Safety Assessment and Retrofitting of Structures

S.No.	Part and Section	WGs		
1.	Harmonization of Earthquake Standards	1 C. V. R. Murty (IITM) Alpa R. Sheth (VMS) Praveen Khandelwal (NTPC) Ravi Sinha (IITB) R. Pradeep Kumar (CBRI)		
		IS 1893	IS 13920	IS 13935
2.	Part 1 General Provisions	2 C. V. R. Murty (IITM) Alpa R. Sheth (VMS) Praveen Khandelwal (NTPC) Ravi Sinha (IITB) Rupen Goswami (IITM)		
3.	Part 2 Buildings			
	Section 1: General Provisions	3 C. V. R. Murty (IITM) Jaswant N. Arlekar (RSMA) Praveen Khandelwal (NTPC) Arun Menon (IITM) Rupen Goswami (IITM)		
	Section 3: Concrete Buildings	4 C. V. R. Murty (IITM) Alpa R. Sheth (VMS) Praveen Khandelwal (NTPC) Ravi Sinha (IITB) Rupen Goswami (IITM)		
		IS 1893	IS 13920	IS 13935
	Section 4: Steel Buildings	5 Rupen Goswami (IITM) J. N. Arlekar (RMSA) Sudip Paul (EIL) L. M. Gupta D. R. Sahoo (IITD)		6 Jaswant N. Arlekar Praveen Khandelwal (NTPC) Sudip Paul (EIL) Durgesh C. Rai (IITK) Rupen Goswami (IITM)
	Section 2: Masonry Buildings	7 Arun Menon (IITM) Ajay P. Chaurasia (CBRI) Pratima R. Bose (DDF) Sangeeta Wij (SDEC) Hemanth B. Kaushik (IITG)		
	Section 5: Adobe Houses			
	Section 6: Wood Houses			

		IS 1893	IS 13920	IS 13935
4.	Part 3 Liquid Retaining Tanks	8 O. R. Jaiswal (NIT Goa) G. G. Srinivas Achary (EIL) Indrajit Choudhary R. K. Ingle (VNIT N) Dipti R. Sahoo (IITD)		9 L. K. Jain G. G. Srinivas Achary (EIL) Indrajit Choudhary O. R. Jaiswal (NIT G) Durgesh C. Rai (IIT K)
5.	Part 4 Bridges	10 Rupen Goswami (IITB) Vinay K. Gupta (TCPL) K. Senthilnathan (L&T) Mohit Varma (RDSO) C. V. R. Murty (IITM)		
6.	Part 5 Industrial Structures	11 Ravi Sinha (IITB) C. R. Arjun (TCE) G. G. Srinivas Achary (EIL) D. R. Sahoo (IITD) L. M. Gupta (VNIT)		
7.	Part 6 Base Isolated Buildings	12 S. D. Bharti (MNIT) Jaswant N. Arlekar (RSMA) Ratish Jain (RIL) Manish Kumar (IITB) Ravi Sinha (IITB)		
8.	Part 7 Pipelines	13 S. R. Dash (IITBbsr) G. Prabhakar (NPCIL) G. G. S. Achary (EIL) R. P. Kumar (CBRI) Goutam Mondal (IITBh)		
9.	Part 8 Dams			
	Section 1 Concrete Dams Gravity Dams Arch Dams	14 S. D. Bharti (MNIT) I. D. Gupta Amitabh Meena (NDSA, GoI) J. N. Arlekar (RSMA) R. P. Kumar (CBRI)		
	Section 2 Earthen Dams and Embankments Earthen Dams Rock-filled Earthen Dams Earthen Embankments	15 S. D. Bharti (MNIT) I. D. Gupta Amitabh Meena (NDSA, GoI) Subhadeep Banerjee (IITM) Nishant Roy (MNIT)		
10.	Part 9 Tunnels	16 Harsh Varma (CIMFR) Kaushik Pandit (CBRI) Sameer Sarma (IIT Jammu) V. B. Majhi (IITM) Nishant Roy (MNIT)		

		IS 1893	IS 13920	IS 13935
11.	Part 10 Steel Towers	17 Jaswant N. Arlekar (RSMA) Chanchal Sonkar (CBRI) Sujal B. Shah (MEGPTL) L. M. Gupta (VNIT) D. R. Sahoo (IITR)		
12.	Part 11 Coastal Structures	18 M. V. Ramana Murthy (MoES) A. Satya Kiran Raju (NCCR) G. V. Satyanarayana (Vizag Port Trust) S. Chandrasekharan (IITM) Subhadeep Banerjee (IITM)		
13.	Part 12 Effects of Tsunami on Structures	19 A. D. Roshan (AERB) D. Srinagesh M. V. Ramana Murty (MoES) Ravi Sinha (IITB) A. Satya Kiran Raju (NCCR)		
11.	Earthquake Geotechnical Engineering	20 Subhadeep Banerjee (IITM) Jaykumar Shukla (Baroda) Mohammad Arif (Bombay) N. R. Patra (IITK) Amit Prashant (IIT Gn)		
12.	Foundations	21 Alpa R. Sheth (VMS) Mohammad Arif (Bombay) Jaykumar Shukla (Baroda) Ravi Sankar Jakka (IITR) Amit Prashant (IIT Gn)		

S.No.	Standard	WG
14.	NEW IS Code of Practice Criteria for Earthquake Resistant Design of Equipment and Piping Structures	22 G. G. Srinivasa Achary (EIL) Sudip Paul (EIL) R. Panneer Selvam (CPRI) Ravi Sinha (IITB) Suresh R. Dash (IITBh)
15.	NEW IS Code of Practice Testing of Structures subjected to effects of Earthquake Ground Shaking (TOR: Protocols for Testing Materials, Members, Sub-assemblages and Systems)	23 S. D. Bharti (MNIT Jaipur) Yogesh Kajale (BGSPL) Jaswant N. Arlekar (RSMA) Hemant B. Kaushik (IITG) Jagat Jyoti Panda (MNIT)
16.	NEW IS Code of Practice Energy Dissipation Devices in Structures subjected to Effects of Earthquake Shaking	24 Dipti Ranjan Sahoo (IITD) Vinay K. Gupta (TCPL) Sudip Paul (EIL) Siddharth Ghosh (IITB) Durgesh C. Rai (IITK)

S.No.	Standard	WG
17.	NEW Clauses for IS 1893 (Part 1) and IS 13935 (Part 1) Performance-Based Assessment of Structures	25 Yogendra Singh (IITR) Alpa R. Sheth (VMS) Alok Bhowmick (BSEC) Ravi Sinha (IITB) Dipti R. Sahoo (IITD)
18.	NEW IS Code of Practice Post-Earthquake Safety Assessment of Buildings NEW Clauses Earthquake Safety Assessment of Buildings	26 R. Pradeep Kumar (CBRI) Hari Kumar (GHI) Jaswant N. Arlekar (RSMA) Hemant B. Kaushik (IITG) C. V. R. Murty (IITM)
19.	NEW IS Code of Practice Criteria for Protection of Architectural Elements and Utilities in Structures subjected to effects of Earthquake Ground Shaking	27 C. V. R. Murty (IITM) Sangeeta Wij (SDECLLP) Ankur Mamgain (DDF) Persi Engineer (SCET) R. Pradeep Kumar (IIITH)
20.	NEW Clauses for Earthquake Hazard Assessment including Macrozonation, Microzonation and Site-Specific Hazard Assessment)	25 I. D. Gupta and C. V. R. Murty A. D. Roshan (AERB) Prabhas Pande (formerly GSI) D. Srinagesh (IITM) S. T. G. Raghukanth (IITM)
21.	IS 4967 Earthquake Instrumentation of Dams	26 D. Srinagesh (IITM) I. D. Gupta Amitabh Meena (NDSA, GoI) S. T. G. Raghukanth (IITM) S. D. Bharti (MNIT)
22.	R&D in Earthquake Engineering	27 Ajay P. Chourasia (CBRI) Hemal Mistry (Surat) Alpa R. Sheth (VMS) Ravi Sinha (IITB) Rupen Goswami (IITM)
23.	ISO Matters	28 Ravi Sinha (IITB) S. D. Bharti (MNIT J) Manish Shrikhande (IITR) Vasant Matsagar (IITD) Rupen Goswami (IITM)
25.	International Consultation Panel	29 C. V. R. Murty (IITM) Svetlana N. Brzev (Serbia) Rajesh Dhakal (NZ) Alpa R. Sheth (VMS) Ravi Sinha (IITB)

		IS 4991 (Part 1) Criteria for Blast Resistant Design of Structures	IS 4991 (Part 2) Blast Resistant Design and Detailing of Structures	IS 4991 (Part 3) Blast Safety Assessment, Retrofitting of Structures, and Post-Blast Damage Assessment of Structures
26.	IS 4991			
	Section 1 Above Ground Blasts	30 Manish Kumar (IITB) Alok Dua (IA) Kiran J. Akella (DRDE) M. D. Goyal (VNIT) S. D. Bharti (MNIT)		
	Section 2 Below Ground Blasts	31 K. Radhakrishna (IITM) Manjit Singh (DRDO) P. K. Thakur (DRDO) P. Alagappan (IITM) M. D. Goel (VNIT)		