BUREAU OF INDIAN STANDARDS

Program of Work

CED 39 : Earthquake Engineering

Scope: STANDARDIZATION IN THE FIELD OF DESIGN AND CONSTRUCTION OF EARTHQUAKE RESISTANT STRUCTURES AND IN THE FIELD OF INSTRUMENTS AND TESTS CONNECTED THEREWITH.

Liaison:

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 13827:1993	Improving Earthquake Resistance of Earthen Buildings - Guidelines	March, 2023	2	Indigenous
2	IS 13828:1993	Improving Earthquake Resistance of Low Strength Masonry Buildings - Guidelines	March, 2023	3	Indigenous
3	IS 13920:2016	Ductile Design and Detailing of Reinforced Concrete Structures Subjected to Seismic Forces - Code of Practice (First Revision)	July, 2021	2	Indigenous
4	IS 13935:2009	Seismic Evaluation, Repair and Strengthening of Masonry Buildings - Guidelines	August, 2024	-	Indigenous
5	IS 15988:2013 ISO 28841:2014	Seismic evaluation and strengthening of existing reinforced concrete buildings - Guidelines	February, 2023	-	Not Equivalent
6	IS 17848:2022	Confined Masonry For Earthquake Resistance Code of Practice		-	Indigenous
7	IS 18168:2023	Earthquake Resistant Design and Detailing of Steel Buildings - Code of Practice		-	Indigenous
8	IS 18289:2023	Post - Earthquake Safety Assessment of Buildings - Guidelines		-	Indigenous
9	IS 1893:1984	CRITERIA FOR EARTHQUAKE RESISTANT DESIGN OF STRUCTURES (Fourth Revision)	September, 2022	2	Indigenous
10	IS 1893 (Part 3):2014	Criteria for Earthquake Resistant Design of Structures Part 3 Bridges and Retaining Walls	August, 2024	-	Indigenous
11	IS 1893 (Part 4):2024	Criteria For Earthquake Resistant Design of Structures Part 4 Industrial Structures Including Stack- Like Structures (Second Revision)		-	Indigenous
12	IS 1893 (Part 2):2014	Criteria for Earthquake Resistant Design of Structures Part 2 Liquid	August, 2024	1	Indigenous

		Retaining Tanks			
13	IS 1893 (Part 1):2016	Design Earthquake Hazard and Criteria for Earthquake-Resistant Design of Structures Part 1 General Provisions (Seventh Revision)	July, 2021	-	Indigenous
14	IS 1893 (Part 6):2022	Criteria for Earthquake Resistant Design of Structures Part 6: Base Isolated Buildings		-	Indigenous
15	IS 19862:2026	Testing of Structures for Earthquake Effects		-	
16	IS 4326:2013	Earthquake resistant design and construction of buildings - Code of practice	July, 2023	-	Indigenous
17	IS 4967:2025	Earthquake Instrumentation of Dam Projects		-	Indigenous
18	IS 4991 (Part 1):2024	Criteria for Blast Resistant Design of Structures Part 1 Above-Ground Explosions (First Revision)		-	Indigenous
19	IS 6922:1973	Criteria for safety and design of structures subject to underground blasts	February, 2023	-	Indigenous

Standards under Development

Projects Approved

SI. No.	Doc No.	Title
No Records Found		

Preliminary Draft Standards

SI. No.	Doc No.	Title
No Records Found		

Drafts Standards in WC Stage

SI. No.	Doc No.	Title
No Records Found		

Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
No Records Found		

Finalized Draft Indian Standard

SI. No.	Doc No.	Title
1	CED 39 (26727)	CRITERIA FOR EARTHQUAKE RESISTANT DESIGN OF STRUCTURES IS 1893 Part 7 PIPELINES
2	CED 39 (26741) Revision of: IS 13935:2009	Assessment and Retrofitting of Structures for Earthquake Safety - Code of Practice Part 1 General Provisions Second Revision of IS 13935
3	CED 39 (26742) Revision of: IS 13935:2009	Assessment and Retrofitting of Structures for Earthquake Safety Part 5 Buildings Second Revision of IS 13935

Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
1	CED 39 (07975) Revision of: IS 1893:2016	Criteria For Earthquake Resistant Design Of Structures Part 1 General Provisions For All Structures And Specific Provisions For Buildings
2	CED 39 (07807) Revision of: IS 1893:2015	Criteria For Earthquake Resistant Design Of Structure Part 4 Industrial Structures Including Stack-like Structures
3	CED 39 (07941) Revision of: IS 13920:2016	Ductile Design and Detailing Of Reinforced Concrete Structures Subjected To Seismic Forces - Code Of Practice
4	CED 39 (11674)	Criteria for Earthquake Resistant Design of Structures Part 4 Industrial Structures Including Stack - Like Structures First Revision Amendment - 1
5	CED 39 (11676)	Criteria for Earthquake Resistant Design of Structures - Part 1 General Provisions and Buildings Amendment - 1
6	CED 39 (11689)	Ductile Design and Detailing of Reinforced Concrete Structures Subjected to Seismic Forces - Code of Practice First Revision Amendment - 1
7	CED 39 (12596)	Criteria for Earthquake Resistant Design of Structures Part 4 Industrial Structures Including Stack - Like Structures First Revision Amendment - 2
8	CED 39 (15280)	Guidelines for Criteria for Earthquake Resistant Design of Structures Part 6 Base Isolated Buildings IS 1893 Part 6
9	CED 39 (16890)	Confined Masonry For Earthquake Resistance Code of Practice
10	CED 39 (18640)	Earthquake Resistant Design and Detailing of Steel Buildings - Code of Practice
11	CED 39 (18642) Revision of: IS 1893:2015	Criteria For Earthquake Resistant Design of Structures Part 4 Industrial Structures Including Stack- Like Structures Second Revision
12	CED 39 (18688)	Amendment 1 to Criteria for Earthquake Resistant Design of Structures Part 2 Liquid Retaining Tanks Fifth Revision
13	CED 39 (20022)	CRITERIA FOR EARTHQUAKE RESISTANT DESIGN OF STRUCTURES Fourth Revision Amendment - 2
14	CED 39 (20611)	Post - Earthquake Safety Assessment of Buildings - Guidelines
15	CED 39 (22018) Revision of: IS 4991:1968	Criteria for Blast Resistant Design of Structures Part 1 Above-Ground Explosions First Revision
16	CED 39 (22343) Revision of: IS 1893:2016	Design Earthquake Hazard and Criteria for Earthquake-Resistant Design of Structures Part 1 General Provisions Seventh Revision
17	CED 39 (22345)	Design Earthquake Hazard and Criteria for Earthquake-Resistant Design of Structures Part 5 Buildings Seventh Revision
18	CED 39 (24823) Revision of: IS 4967:1968	Earthquake Instrumentation of Dam Projects
19	CED 39 (25407) Revision of: IS 13920:2016	Earthquake Resistant Design and Detailing of Structures Code of Practice Part 1 General Provisions
20	CED 39 (25408)	Earthquake Resistant Design and Detailing of Structures Code of Practice Part 5 Buildings
21	CED 39 (27624) Revision of: IS 1893:2024	Criteria for Earthquake Resistant Design of Structures Part 4 Industrial Structures
22	CED 39 (27884)	Criteria for Earthquake Resistant Design of Structures Part 8 Dams and Embankments Section 1 Concrete and Masonry Dams IS 1893 Part 8
23	CED 39 (27937) Revision of: IS 1893:2022	Criteria for Earthquake Resistant Design of Structures Part 6 Base Isolated Buildings First Revision of IS 1893 Part 6
24	CED 39 (28254)	Testing of Structures for Earthquake Effects

Total Published Standards:18 Total Standards Under development:27

Aspect Wise Report

Product : 0
Code of Practices : 11
Methods of Test : 0
Terminology : 0
Dimensions : 0
System Standard : 0
Safety Standard : 0
Others : 6
Service Specification : 0
Process Specification : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
1	IS 1893 (Part 5):2025	Design Earthquake Hazard and Criteria for Earthquake-Resistant Design of Structures Part 5 Buildings Seventh Revision
2	IS 1893 (Part 1):2025	Design Earthquake Hazard and Criteria for Earthquake-Resistant Design of Structures Part 1 General Provisions Seventh Revision
3	SP 22:1982	Explanatory Handbook on Codes for Earthquake Engineering

Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
No Records Found		