

CED 39

Earthquake Engineering Sectional Committee

58th Meeting

Agenda

27 August 2024
2:00 pm to 5:30 pm
Hybrid



Bureau of Indian Standards
9 Bahadur Shah Zafar Marg
New Delhi

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Bureau of Indian Standards
CED 39 Earthquake Engineering Sectional Committee

58th Meeting

27 August 2024

2:00 pm – 5:30 pm (Hybrid)

Summary of Agenda Items

S.No.	Item	Action Needed
58.0 WELCOME		
58.01	Member Secretary	Consider and act
58.02	Chairperson	Consider and act
58.1 MINUTES OF PREVIOUS MEETING		
58.11	Confirmation of Minutes of 57 th Meeting	
58.2 NEW STANDARDS and NEW CLAUSES		
	None	
58.3 REVISIONS		
58.31	Working Draft of IS 1893 Design Earthquake Hazard and Criteria for Earthquake Resistant Design of Structures Part 5 Industrial Structures	Consider and advise
58.32	Working Draft of IS 1893 Design Earthquake Hazard and Criteria for Earthquake Resistant Design of Structures Part 8 Dams	Consider and advise
58.33	Revised WC Draft of IS 13920 Earthquake Resistant Design and Detailing of Structures Part 1 General Provisions	Consider and advise
58.34	Revised WC Draft of IS 13920 Earthquake Resistant Design and Detailing of Structures Part 2 Buildings	Consider and advise
58.35	Revised Draft of IS 13935 Earthquake Safety Assessment & Retrofitting of Structures Part 1 General Provisions	Consider and advise
58.36	Revised Draft of IS 13935 Earthquake Safety Assessment & Retrofitting of Structures Part 2 Buildings	Consider and advise
58.4 R&D PROJECTS		
	None	
58.5 NEW WORK ITEM PROPOSAL		
	None	
58.6 PROGRESS OF WORKING GROUPS		
	None	
58.7 WORK PROGRAMME		
58.71	Review of Work Program – List of Existing Standards and those under publication	For information
58.72	International Standardization	For information

58.8 COMMITTEE MATTERS		
58.81	Composition of CED 39	For information
58.82	Existing Panels	For information
58.83	Existing Working Groups	For information
58.9 CLOSING COMMENTS		
58.91	<i>Any other item from Members</i>	Consider and act
58.92	<i>Member-Secretary</i>	Consider and act
58.93	<i>Chairman</i>	Consider and act

Classification of Agenda Items

<i>S.No.</i>	<i>Colour Code</i>	<i>Type</i>
1		Reporting Items
2		Discussion Items
3		For information and discussion

Bureau of Indian Standards
CED 39 Earthquake Engineering Sectional Committee

58th Meeting

27 August 2024

2:00 pm – 5:30 pm (Hybrid)

Agenda Items

58.01 Member-Secretary

The *Member-Secretary* of CED 39 will make his opening remarks.

58.02 Chairperson

The *Chairperson* of CED 39 will make his opening remarks.

58.1 MINUTES OF PREVIOUS MEETING

58.11 Confirmation of Minutes of the 57th Meeting

The Minutes of the (last) 57th Meeting of *Earthquake Engineering Sectional Committee CED 39* held on 31 July 2024 was circulated on 20 August 2024.

The Committee may **CONFIRM** the Minutes of the 57th Meeting as circulated and are attached as **Annexure 58.01** to the *Agenda Papers* of this meeting in case no comments are received.

58.2 NEW STANDARDS or NEW CLAUSES

None

58.3 NEW STANDARDS or NEW CLAUSES

58.31 *Updated Working Draft IS 1893 Design Earthquake Hazard and Criteria for Earthquake Resistant Design of Structures Part 5 Industrial Structures*

Background

In the last meeting of CED 39 held on 31 July 2024, the Committee considered and discussed the *Working Draft of IS 1893 Design Earthquake Hazard and Criteria for Earthquake Resistant Design of Structures Part 5 Industrial Structures*. After brief discussions, the Committee made suggestions for the consideration of the WG towards revising the draft standard.

Accordingly, the WG revised the *Working Draft*. The *updated working draft* is attached at **Annexure 58.02** of the Agenda Papers of this meeting.

Proposal

It is proposed to *discuss* the said *updated working draft* from the *Working Group*.

The Decision

The Committee is requested to consider the draft standard and decide.

58.3 REVISION

58.32 *Updated Working Draft of IS 1893 Design Earthquake Hazard and Criteria for Earthquake Resistant Design of Structures Part 8 Dams Section 1 Concrete and Masonry Dams*

Background

In the last meeting of CED 39 held on 31 July 2024, the Committee considered and discussed the *Working Draft of IS 1893 Design Earthquake Hazard and Criteria for Earthquake Resistant Design of Structures Part 8 Dams Section 1 Concrete and Masonry Dams*. After brief discussions, the Committee made suggestions for the consideration of the WG towards revising the draft standard.

Accordingly, the WG revised the *Working Draft*. The *updated working draft* is attached at **Annexure 58.03** of the Agenda Papers of this meeting.

Proposal

It is proposed to *discuss* the *updated working draft* from the *Working Group*.

The Decision

The Committee is requested to consider the draft standard and decide.

58.3 REVISION

58.33 *Revised WC Draft of IS 13920 Earthquake Resistant Design and Detailing of Structures Part 1 General Provisions*

Background

The draft standard IS 13920 (Part 1) *Earthquake Resistant Design and Detailing of Structures Part 1 General Provisions* was issued in wide circulation on 04 June 2024 for inviting public comments for a period of 2 months (vide Doc No. CED39(25407)). Based on the comments received, the Working Group has resolved the comments. Accordingly, the revised WC draft and the recommendations on the compiled comments received on the WC draft are attached at **Annexure 58.04** and **Annexure 58.05** of the Agenda Papers of this meeting, respectively.

Proposal

It is proposed to consider the revised draft standard from the Working Group.

The Decision

The Committee is requested to consider the draft and decide.

58.3 REVISION

58.34 *Revised Draft of IS 13920 Earthquake Resistant Design and Detailing of Structures Part 2 Buildings*

Background

The draft standard *IS 13920 (Part 2) Earthquake Resistant Design and Detailing of Structures Part 2 Buildings* was issued in wide circulation on 04 June 2024 for inviting public comments for a period of 2 months (vide Doc No. CED39(25408)). Based on the comments received, the Working Group has resolved the comments. Accordingly, the revised WC draft and the recommendations on the compiled comments received on the WC draft are attached at **Annexure 58.06** and **Annexure 58.07** of the agenda papers of this meeting, respectively.

Proposal

It is proposed to consider the revised draft standard from the Working Group.

The Decision

The Committee is requested to consider the draft and decide.

58.3 REVISION

58.35 Revised Draft of IS 13935 Earthquake Safety Assessment and Retrofitting of Structures Part 1 General Provisions

Background

The draft standard *IS 13935 (Part 1)* along with the modifications made was presented by the Convener of the Working Group WG 2 in the last meeting of CED 39. No substantial comments have been received thereafter. The revised draft standard is attached at **Annexure 58.08** of the Agenda Papers of this meeting.

Proposal

It is proposed to consider the revised draft standard from the Working Group and approve for wide circulation.

The Decision

The Committee is requested to consider the draft and decide.

58.3 REVISION

58.36 Working Draft of IS 13935 Earthquake Safety Assessment and Retrofit of Structures Part 2 Buildings

Background

In the last meeting of CED 39, the Convener of the Working Group presented the working draft of *IS 13935 Earthquake Safety Assessment and Retrofit of Structures Part 2 Buildings*. Based on the suggestions proposed during the meeting, the working draft was modified. No substantial comments have been received thereafter. The revised draft standard is attached at **Annexure 58.09** of the Agenda Papers of this meeting.

Proposal

It is proposed to consider the revised draft standard from the Working Group and approve for wide circulation.

The Decision

The Committee is requested to consider the draft and decide.

58.4 R&D PROJECTS

58.5 COMMENTS and SUGGESTIONS

58.6 PROGRESS IN WORKING GROUPS

58.7	WORK PROGRAMME
58.71	Review of Work Program – List of Existing Standards and those under Publication

Background

The present position of work program under the CED 39 Sectional Committee is given at **Annexure 58.10** to the *Agenda Papers* of this meeting.

Also, since IS 1893 (Part 7) Criteria for Earthquake Resistant Design of Structures Part 7 Pipelines [Doc No. CED39(18804)] had crossed its required timeline for formulation which is an urgent problem, it has been decided to drop this document and a new document no. will be generated which will be used till publication.

The Proposal

The Committee may *note*.

58.7	WORK PROGRAMME
58.72	International Standardization

Background

India is a Participating 'P' member in ISO Technical Committee ISO/TC 98 'Bases for Design of Structures' and its subcommittees namely,

ISO/TC 98/SC 1 (P) TERMINOLOGY AND SYMBOLS

ISO/TC 98/SC 2 (P) RELIABILITY OF STRUCTURES

ISO/TC 98/SC 3 (P) LOADS, FORCES AND OTHER ACTIONS

The Committee may **NOTE**. Details and additional information on ISO TC 98 and the list of the standards that have been developed by it **or** its subcommittees can be accessed from:

<https://www.iso.org/committee/50930.html>

India is a signatory to WTO-TBT Agreement and has aligned its standards formulation procedures to the code of good practices for preparation, adoption and application of standards. One of the provisions of the code requires BIS to use international standards wherever they exist as a basis for standards being developed and wherever practicable to do so. The Committee may **NOTE** the relevant international standards published and the subjects for information & effective utilization in harmonization of the standardization work undertaken with the international standard, wherever possible.

Proposal

The **Members of ISO Panel of CED 39** are requested to examine the draft ISO standards and formulate India's view on them, and thereafter defend the same by attending the meetings of ISO held online.

The Decision

The Committee may *note*.

58.8	COMMITTEE MATTERS
58.81	Review of Existing Technical Committee & Requests for New Membership

Background

The extracts from the latest *Standards Formulation Manual 2022* of BIS regarding the *Guidelines for Participation in the Technical Committee Work of BIS* is given in **Annexure 58.11** to the *Agenda Papers* of this meeting. The present composition of the *Earthquake Engineering Sectional Committee* is given in **Annexure 58.12** to the *Agenda Papers* of this meeting.

The Proposal

The Committee may *note*.

58.8	COMMITTEE MATTERS
58.82	Review of Existing Panels

Background

The composition of the R&D Panel under CED 39 is given in **Annexure 58.13** to the *Agenda Papers* of this meeting.

The Proposal

The Committee is requested to *note* the same.

58.8	COMMITTEE MATTERS
58.83	Review of Existing Working Groups

Background

The composition of the Working Groups under CED 39 was restructured in keeping with the guidance given by DG, BIS, and presented in the previous meeting of CED39. A copy of the same is presented in **Annexure 58.14** to the *Agenda Papers* of this meeting.

The Proposal

The Committee is requested to *note* the same.

58.9	CLOSING COMMENTS
58.91	Any Other Items from Members

A Member may raise *any other item* for the consideration of CED39, with the *prior permission of the Chairperson taken before the meeting*.

58.92	Member-Secretary
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The *Member-Secretary* will make his closing comments.

58.93	Chairperson
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The *Chairperson* will make his closing comments.