

BUREAU OF INDIAN STANDARDS

MINUTES

Title of the Committee	Day and Date	Time	Venue
Safety in Construction, Operation and Maintenance of River Valley Projects Sectional Committee, WRD 21	Thursday, 26 September 2024	10:30 AM	Hybrid Meeting BIS HQ New Delhi
Chairperson: Shri Suprakash Adhikari, Executive Director Safety Division, NHPC Ltd.		Member Secretary: Shri Vaibhav Jindal, Assistant Director, BIS	

PARTICIPANTS:

Sl. No.	Name	Email
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3.	Shri Shivcharan Chhirolia, Director, CEA	schhirolia.cea@gov.in
4.	Shri Nitin Kumar, DD DSM, CWC	nitinkumarverma89@gmail.com
5.	Shri P. K. Rai, Scientist G, CFEES	pkrai.cfees@gov.in
6.	Shri Nihar Ranjan Bhattacharjee, Director, GSI	n.bhattacharjee@gsi.gov.in
7.	Prof. M. K. Singhal, Professor HRED, IITR	head@hre.iitr.ac.in
8.	Shri Brajnandan Ram, GSM, NHPC Ltd.	brajnandan@nhpc.nic.in
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10.	Shri Jai Prakash, General Manager (D&E), NHDC Ltd.	jaiprakashnhdc@yahoo.co.in
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12.	Shri Shajatnan K. H., Director Technical, NWDA	dirtech-nwda@nic.in
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14.	Shri H. U. Patel, SSNNL	npdcgateunit@gmail.com
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16.	Shri Ekansh Raturi, Safety Officer, THDC India Ltd.	ekanshraturi123@gmail.com
17.	Shri Ashok Kumar Prasad, EHS Cluster Head, In Personal Capacity	safetyprasadak@gmail.com

ITEM 0 WELCOME AND INTRODUCTORY REMARKS BY CHAIRPERSON

The Chairperson welcomed all the members to the 19th meeting of the WRD 21 Sectional Committee. The Chairperson requested all the members for their continued contributions and regular participation in the meeting so that long pending documents in the Committee can be finalized. The Chairperson with the consent of the Committee, appointed Shri Shajatnan K. H., Director (Technical), NWDA to act as the Chair for the 19th meeting in his absence.

ITEM 1 CONFIRMATION OF THE MINUTES OF THE PREVIOUS MEETING

The Committee NOTED that no comments had been received on the circulated minutes of 18th meeting of the Committee. The Committee, therefore, CONFIRMED the minutes of the previous meeting as circulated.

ITEM 2 COMPOSITION OF THE SECTIONAL COMMITTEE WRD 21

2.1 The Committee NOTED the present composition of the committee as given in Annex A of the agenda.

2.2 The Committee NOTED item 2.2 of the agenda and decided to contact one more time with the following organizations, sending them a reminder for their active participation and fresh nominations in the work of the Sectional Committee.

Sl. No.	Organization's Name
1.	Bhakra Beas Management Board, Chandigarh
2.	Bharat Heavy Electrical Limited, New Delhi
3.	Gammon Engineering and Contractors Pvt. Limited
4.	National Thermal Power Corporation Limited, New Delhi
5.	Oil Industry Safety Directorate, Noida
6.	Satluj Jal Vidyut Nigam Limited, Shimla
7.	Tamil Nadu Generation and Distribution Corporation Limited, Chennai
8.	Uttarakhand Jal Vidyut Nigam Limited, Dehradun
9.	Water Resources Department, Govt of Andhra Pradesh
10.	Water Resources Department, Government of Madhya Pradesh
11.	Water Resources Department, Govt of Maharashtra

As informed by the National Safety Council in Mumbai, Maharashtra, they don't possess the expertise relevant to the Sectional Committee's work. Therefore, the Committee decided to WITHDRAW the membership from National Safety Council, Mumbai.

2.3 The Committee NOTED item 2.3 of the agenda and requested that BIS approach the following organizations once again for co-option in the Sectional Committee. If no responses are received before the next meeting, we will not pursue them further for co-option.

Sl. No.	Name of the Organization
1.	Water Resources Department, Government of Uttar Pradesh
2.	Water Resources Department, Government of Rajasthan
3.	Water Resources Department, Government of West Bengal
4.	Water Resources Department, Government of Bihar
5.	Water Resources Department, Government of Gujarat
6.	ONGC Ltd.
7.	M/S GE India Limited, Vadodara
8.	GMR group
9.	National Dam Safety Authority

ITEM 3 PROGRAMME OF WORK

3.1 The Committee NOTED present programme of work as given at Annex B of the agenda.

3.2 The Committee NOTED item 3.2 of the agenda and taken up the following decisions:

Sl. No.	IS No.	Title	Committee Decision
1.	IS 4410 (Part 13): 1985	Glossary of terms relating to river valley projects Part 13 Operation maintenance and repair of river valley projects	The Committee requested CBIP to review the Standard and submit a draft document before the next meeting for effective discussions.
2.	IS 10386 (Part 10): 1983	Safety code for construction operation and maintenance of river valley projects Part 10 Storage handling detection and safety measures for gases chemicals and flammable liquids	The Committee decided to reaffirm the standard for now and circulate it among the Committee members for review.

3.3 The Committee NOTED item 3.3 of the agenda and taken up the following decisions:

Sl. No.	IS No.	Title of Standard	Status
1.	<u>IS 10386 (Part 9): 1998</u> <u>Reviewed In : 2023</u>	Safety code for operation and maintenance of river valley projects: Part 9 canals and cross drainage works	The Committee NOTED that R&D project has been awarded to Dr. Mahesh Patel, NIT Jalandhar.
2.	IS 10386 (Part 10) : 1983	Safety code for construction operation and maintenance of river valley projects Part 10 Storage handling detection and safety measures for	See item 3.2

		gases chemicals and flammable liquids	
3.	IS 4410 (Part 13): 1985	Glossary of terms relating to river valley projects: Part 13 Operation, Maintenance and Repair of River Valley Projects	

ITEM 4 DOCUMENTS UNDER PRINT

4.1 Doc: WRD 21 (15620), First Revision of IS 10386(Part 6):1983 Safety code for construction, operation and maintenance of river valley projects: Part 6 Construction

4.2 Doc: WRD 21(16993), IS 10386 (Part 8):1995 Safety code for construction, operation and maintenance of river valley projects Part 8 Open excavation

The Committee NOTED items 4.1 and 4.2 of the agenda. Both documents have been published.

4.3 Doc: WRD 21 (12904), IS 10386(Part 11): 2012 Safety code for construction, operation and maintenance of river valley projects: Part 11 Underground Excavation

The Committee NOTED item 4.3 and deliberated on the comments received from the Chairperson, Water Resources Division Council and the contents of the draft standard. The Committee agreed with the comments received from the Chairperson, WRDC. Shri Nihar Ranjan Bhattacharjee, Director, GSI stressed the requirement of an in-depth review of the draft standard before its finalization for adoption and printing. The Committee opined that the document requires a lot of technical modifications and a long time has also elapsed since its finalization, and hence decided to DROP the document at its current stage and start afresh. The Committee requested Shri Nihar Ranjan Bhattacharjee to review the existing draft and share the modified draft incorporating his inputs/comments. The Committee decided to issue the modified draft received from Shri Nihar Ranjan Bhattacharjee as a P-draft for circulation among the Committee members.

ITEM 5 DRAFT STANDARDS UNDER DEVELOPMENT

5.1. Safety code for construction, operation and maintenance of river valley projects Part 12 Pre and Post Monsoon Safety Requirements

The Committee NOTED item 5.1 of the agenda and requested the Member Secretary to send an email to the National Dam Safety Authority, asking for nominations for co-optation in the Sectional Committee, along with a draft on this subject. Once nomination is received, the Committee will constitute a working group to prepare the draft document.

ITEM 6 RESEARCH & DEVELOPMENT PROJECTS FOR FORMULATION AND REVIEW OF STANDARDS

6.1 The Committee NOTED item 6.1 of the agenda and encouraged members to review the programme of work and identify areas where R&D projects can be initiated. Members were also requested to review the circulated R&D proposals.

6.2 The Committee NOTED item 6.2 of the agenda as given in Annex D. The Terms of Reference (TOR) for the R&D project on the subjects, as approved by the Committee or the Chairperson of the Committee.

6.3 The Committee NOTED item 6.3 of the agenda regarding the nomination of the following two experts from the Sectional Committee to the Research Evaluation Committee (REC) to evaluate the proposals received according to the procedure for the approval of R&D proposals:

- a) Prof. Sunil Kumar Singal, Indian Institute of Technology Roorkee
- b) Shri Shajatnan K. H., Director (Technical), National Water Development Agency, New Delhi

ITEM 7 ANY OTHER BUSINESS:

7.1 The Committee NOTED item 7.1 of the agenda and agreed to schedule the next meeting of the Sectional Committee in first week of January 2025.