

**BUREAU OF INDIAN STANDARDS
(WATER RESOURCES DEPARTMENT)**

MINUTES

Small Hydropower Plants Sectional Committee, WRD 29			Fifth Meeting
Day and Date	Time	Venue:	Contact details
Friday, 22 November 2024	03:00 PM	Virtual Meeting	wrd@bis.gov.in
CHAIRPERSON: PROF. ARUN KUMAR, HYDRO AND RENEWABLE ENERGY DEPARTMENT, IIT ROORKEE		MEMBER SECRETARY: SHRI VAIBHAV JINDAL, ASSISTANT DIRECTOR, BIS	

PARTICIPANTS:

Sl. No.	Display Name	Attendee Email
1.	Shri Adit Kumar Shah, AGM, Voith, Noida	adit.shah@voith.com
2.	Andritz Swetharanyan, Manager, Andritz Hydro Private Limited, Faridabad	swetharanyan.g@andritz.com
3.	Prof. Apurba Kumar Santra, Professor, Jadavpur University, Kolkata	aksantra@gmail.com
4.	Dr Parag Dhakate, Member Secretary, Uttarakhand Pollution Control Board, Dehradun	paragenetics@gmail.com
5.	Dr Vishnu Prasad, Professor, Maulana Azad National Institute of Technology, Bhopal	vpp7@yahoo.com
6.	Shri Rajender Singh Jamwal, AGM, HPPCL, Shimla	dgmdm2015@gmail.com
7.	Malaya Kanta Swain, AGM (Elect.), Odisha Hydro Power Corporation Limited, Bhubaneswar	mks70@rediffmail.com
8.	Smt. K Rekha Rani, O/o Director, CWC, New Delhi	hcdene@nic.in
9.	Shri Parveen Kumar, Superintending Geologist, GSI, Kolkata	parveen.kumar@gsi.gov.in
10.	Smt. Priya Gupta, AGM (Elect.) JKSPDC, Jammu	priyaguptajkspdc@gmail.com
11.	Shri M. P. Singh, Director, Punjab Energy Development Agency, Chandigarh	peda.ec@gmail.com
12.	Shri Raj Kumar Verma, Founder-cum-Director, Sai Eternal Foundation, Shimla	saieternalfoundation@gmail.com
13.	Shri Sanjay Kumar Shahi, Ministry of New and Renewable energy, Govt of India	sk.shahi@nic.in
14.	Shri Sumeet Mazumdar, CEO, Federation of Indian Small Hydro Power, Delhi	sumeetiitr2020@gmail.com
15.	Prof. Sunil Singal, IIT Roorkee, Department of Hydro and Renewable Energy, Roorkee	sunil.singal@hre.iitr.ac.in
16.	Dr Ankur Kansal, Environment Engineer, Uttarakhand Pollution Control Board, Dehradun	kansal2ankur@gmail.com

17.	Shri Varun, Associate Professor, National Institute of Technology, Hamirpur	varun@nith.ac.in
18.	Shri Sandeep Batra, Group General Manager, NHPC Ltd., Faridabad	sandeepbatra1967@gmail.com

ITEM 0 WELCOME AND INTRODUCTORY REMARKS BY THE CHAIRPERSON

The Chairperson extended a warm welcome to all the members present at the 5th meeting of the WRD 29 Sectional Committee. The Chairperson requested all members to actively contribute and participate regularly in the meetings to ensure effective deliberation within the Committee.

ITEM 1 CONFIRMATION OF THE MINUTES OF THE PREVIOUS MEETING

The Committee NOTED that no comments were received on the circulated minutes. The Committee therefore CONFIRMED the minutes of the previous meeting as circulated.

ITEM 2 COMPOSITION OF THE COMMITTEE

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

ITEM 3 PANELS UNDER WRD 29 SECTIONAL COMMITTEE

3.1 Small Hydropower Plants – General Panel (WRD 29: P01)

The Committee NOTED the scope and composition of Panel P01, which was given in Annex B of the agenda. The Committee also noted that Shri Raj Kumar Verma, Sai Eternal Foundation, Convener P01 had circulated the base draft among the Panel members for the following subjects:

- a) Small Hydropower Plants – Vocabulary (email dated 23 September 2024)
- b) Small hydropower Plants – Site Selection, Layout and Site Investigation – Code of Practice (email dated 13 November 2024)

The Committee NOTED the NWIPs and appreciated the leadership and efforts being put up by Shri Raj Kumar Verma, Convener, P01. Further, the Committee requested the Panel members to review the drafts and submit their valuable inputs/comments.

3.2 Small Hydropower Plants - Civil Works (WRD 29: P02)

The Committee NOTED the scope and composition of Panel P02, which was given in Annex C of the agenda. The Committee APPROVED the co-option of Shri C. P. Bhatnagar, Ghaziabad, in personal capacity to Panel P02. During the deliberations, the Member Secretary informed the Committee members that the draft on ‘Small Hydropower Plants – Design of Civil Works’ is almost complete. The Committee decided to circulate it as a P-Draft among the members

for their valuable input/comments. The Committee appreciated the Panel members for their constant efforts and commitment to the standardization work.

3.3 Small Hydropower Plants – Electro-mechanical Works (WRD 29: P03)

The Committee NOTED the scope and composition of Panel P03, which was given in Annex D of the agenda. The Committee stressed the importance of the subject **Small Hydropower Plants – Renovation, Modernization and Uprating** and suggested the Panel to initiate the project as soon as possible. Shri Adit Shah, Convener, P03 agreed with the Committee to convene the first meeting of the Panel before the next meeting of the Committee.

ITEM 4 CIB BALLOT OF ISO/TC 339 SMALL HYDROPOWER PLANTS

4.1 Ballot: draft Resolution 4/2024 (ISO/TC 339)

The Committee NOTED item 4.1 of the agenda and after reviewing the CV of Dr. CUI Zhenhua given in Annex E of the agenda, found his work experience relevant to new work item 25259 assigned to this working group (ISO/TC 339 WG1). Therefore, all Committee members agreed to APPROVE the draft Resolution 4/2024 of ISO/TC339.

ITEM 5 ISO/TC 339 CALL FOR EXPERTS FOR THE WG1 VOCABULARY

The Committee NOTED item 5 of the agenda regarding the Call for Experts for WG 1 "Vocabulary" from the secretariat of ISO/TC 339. The Committee noted that it had previously nominated Prof. S. K. Singal, IIT Roorkee as an expert from BIS (India) for the aforementioned project/working group. During the deliberations, the Committee further nominated three additional experts to ISO/TC 339 WG1 for effective representation from BIS(India). The nominated experts from BIS (India) to ISO/TC 339 WG1 are as follows.

1. Prof. S. K. Singhal, IIT Roorkee
2. Smt. K Rekha Rani, CWC, New Delhi
3. Shri Adit Kumar Shah, Voith Hydro Private Limited, Noida
4. Shri Vaibhav Jindal, BIS, New Delhi

ITEM 6 ANY OTHER BUSINESS

6.1 The Committee tentatively decided to hold the next meeting in physical mode at BIS-HQ during the second week of January 2025.