Bureau of Indian Standards
A Report on Environment Science Convention

Subject: Report on **Annual Convention of BIS** with Deans and HoDs of Environment Science discipline of MoU Partner Institutes

Venue: Bogmallo Beach Resort, Goa

Date: 27 & 28 March 2025

BIS organized a Convention for Deans and Heads of Departments (HoDs) of MoU Partner institutions of the Environment Science discipline. The event took place at Bogmallo Beach Resort on 27 and 28 March 2025. **Forty-Five** delegates from **Thirty-Two** MoU partner institutes participated in the convention.

Day 1 (27/03/2025) - Sessions and Activities:

The event started with traditional Lamp lighting ceremony followed by rendering of Manak Geet, followed by a round of introduction.

Shri Praveen Khanna, DDG (Sothern Region) welcomed all the delegates to the two-day convention and highlighted the critical role of academia in the standardization process. In his welcome address, he informed that this is the Seventh such convention in the series being conducted by BIS to strengthen the collaboration between BIS and Academia.

He underscored the significance of contributions that academicians can make and how these collaborations can drive innovation, enhance the quality of research, and integrate academic insights into national and international standards.

Shri Sanjay Pant, DDG Standardization-II, BIS, elaborated on the **objectives of the programme**. He provided an overview of BIS's long-standing association with educational institutions in formulating national standards. He also provided insights into the creation of the Environment and Ecology Division within BIS, which was established to address the growing need for a dedicated focus on environmental and ecological standards. This division works on environmental management, pollution control, waste management, biodiversity, sustainability in building construction, and

other critical areas. He highlighted the significant involvement of various stakeholders in the formulation of standards, including academicians, researchers, industry, and experts. He also emphasized the importance of increasing student engagement, ensuring they are conversant with Indian Standards from an early stage, and encouraged their active involvement in the standardization process. He urged participants to be more engaged in standards formulation, through Sectional Committees, working groups, and panels, as well as involving research students as observers in committee work to expose them to the standardization process.

He also stressed on improving international participation with the help of academic institutions, which would enhance India's global presence in standardization efforts. He stressed the critical role of standardization in fostering inclusive and sustainable development, particularly in areas such as infrastructure and social development, low-income housing, accessibility for persons with disabilities, and the use of sustainable materials. He elaborated on how standards address crucial aspects such as safety and sustainability to meet essential regulatory and environmental requirements.

He emphasized the importance of collaboration to advance the standardization process and achieving the shared goals of sustainability and development.

Shri Virendra Singh, Scientist- E, CHD conducted a **session on Standards Formulation**. During the session, he covered the processes and methodologies involved in developing and implementing standards, the role of various stakeholders, and the importance of standardization in ensuring quality and safety across different sectors. He also highlighted the contributions of BIS at international level in development of International Standards (ISO/IEC). The role and importance of Indian Standards in conformity assessment schemes of BIS was explained highlighting their relevance in ensuring availability of quality products and services. Indian Standards lay down the requisite parameters as per the stated and implied needs of the customer, encompassing latest technologies.

Shri Ajay Kumar Lal, Scientist- F & Head, CHD engaged the participants through the self-learning exercise having the questions relating to BIS, its activities particularly, Standards Formulation. The session then moved forward with the next presentation on establishment and work done by the Environment and Ecology Department.

Shri Lalit Yadav, Scientist- C, EED shared the journey of establishment of the Environment and Ecology Division Council (EEDC) to address the challenges in this field by standardization. He also presented the scope, composition of the Division Council as well as the eight Sectional Committees under EEDC. He also briefed about Panels under the EEDC and their objective to create the roadmap document for the standardization in that area for the next 3 to 5 years.

The current status of work of the EEDC Panels was presented by the concerned EED officials and Panel Convenors covering the approach and National Mission to identify the gap in respective areas and recommend the subjects for standardization along with their priorities.

Shri Bhavik Bhupatbhai Rajgor, Scientist-B; Shri Matcha Arun Kumar, Scientist-B and Shri Kumar Sourabh, Scientist-B from **EED** shared the Terms of Reference and Composition of the EEDC/ Panel 1- 'Air Quality Management', EEDC/ Panel 3- 'Waste Management' and EEDC/ Panel 6- 'Sustainable Agriculture' and EEDC/ Panel 9- 'Biodiversity' respectively. In their presentation, the officers elaborated on the issues identified by their Panels in their respective sectors and recommendation of Panels on areas of standardization and their priority.

Prof Alok Sinha, Indian Institute of Technology (ISM), Dhanbad; Prof Anju Singh, Indian Institute of Management, Mumbai; Smt Shabnam Bassi, GRIHA Council, New Delhi and Prof M. K. Tiwari, Indian Institute of Technology Kanpur presented the Term of Reference and Composition of the Panel of EEDC/ Panel 2- 'Water Quality Management', EEDC/ Panel 7- 'Circular Economy', EEDC/ Panel 5- 'Sustainable Habitat' and EEDC/ Panel 4- 'Environment Monitoring, Measurement and Management' respectively. Each speaker also outlined the strategic approach for addressing the full scope of their respective sectors. Their presentations highlighted key challenges and opportunities, proposed areas for standardization, and discussed criteria for prioritizing topics within each panel.

Shri Deepak Aggarwal, Scientist- F & Head, (SCMD) shared the initiative of IIT Roorkee regarding integration of Standards Formulation into the academic course curriculum under the course titled as *"Tinkering and Mentoring."* This course carries 2 credits and includes a 4-hour lecture on *"Introduction to the Bureau of Indian Standards (BIS): Objectives, Roles, and Functions of BIS; the Bureau of Indian Standards Act: Its Roles and Functions; the Purpose of Standardization, Marking, and Certification of Articles and Processes; and the Importance of Standards for Industry, Policymakers, Trade, Sustainability, and Innovation."*

Shri Ritesh Kumar Baranwal, Director (Finance), BIS presented the Sustainability & Sustainable Finance Concepts, Current Challenges & Role of Academic Institutions in Standardization. The presentation addressed key challenges which includes greenwashing, lack of standardization and limited awareness of finance in academic institutions. The importance of standardized sustainability metrics and the role of BIS, ISO, and academic institutions in promoting sustainability education were emphasized. The need for regulatory frameworks, ESG integration, and interdisciplinary collaboration was discussed. The presentation concluded that stronger governance, academic involvement, and industry partnerships are essential for driving sustainable finance and ensuring long-term economic and environmental stability.

- **Group exercise**

The delegates were divided into five groups for a group exercise. The primary objective of this activity was to identify potential areas for standardization that have yet to be addressed. Additionally, the exercise also aimed to highlight relevant literature and experts working in that domain who can be part of the process of Standard formulation in the domain of environment and ecology.

- **Group presentation**

After thorough discussions, each group presented their inputs and proposed topics for the standardization that is attached as ***Annex A***. This exercise helped in identifying emerging challenges, gaps in existing standards, and opportunities to develop new guidelines that align with environment and ecology.





Group 1 **Group 2** **Group 3** **Group 4** **Group 5**

- **How to take this MoU forward (Discussion)**

In this session, participants shared their ideas to Strengthen the collaboration between the BIS and MoU Partner Institutes. The suggestions are as follows:

1. Academic Institutes follow a structured academic calendar and often face scheduling conflicts due to prior commitments such as exam duties. Providing a six-month event calendar by BIS would help institutes align their schedules, ensuring better participation and avoiding such conflicts.
2. More technical events, such as workshops, conferences, and meetings, should be conducted with the involvement of MoU institutes.
3. Collaborative projects should encourage R&D leading to contribution towards standardization.
4. Specialized training programme should be introduced to equip students with skills relevant to sustainability and green jobs. Additionally, faculty members should receive training in sustainability and environmental standards to enhance their expertise.
5. The existing number of internships under BIS programme should be increased to provide greater exposure and practical experience to students.
6. A certain percentage (5–10%) of B.Tech and M.Tech projects should be aligned with BIS standards. BIS can provide a curated list of potential project topics to MoU institutes to facilitate this initiative, thereby promoting the adoption of Indian Standards in academia.
7. A competition should be introduced for students who have completed their theses, where they present—within a short time frame (e.g., three minutes)—how Indian Standards contributed to their research. Winners may receive incentives to encourage participation.
8. A structured mechanism should be developed to share relevant research papers from MoU institutes with BIS. This exchange could provide valuable insights for standardization efforts.
9. Efforts should be made to integrate awareness programme on Indian standards into academic curricula, ensuring that students understand the relevance and application of standards within their respective disciplines.
10. Recognition of MoU institute laboratories for testing BIS samples should be implemented to strengthen collaboration and enhance awareness of BIS standards within academic institutions.
11. Instead of organizing the same activities at both the school and engineering colleges level Standards Clubs, the activities should be tailored to better suit the interests and engagement levels of engineering students.

Day 2 (21-09-2024) – Interaction and Field visit:

- **Demo of Digital solution**

Shri Tejas Sandip Mahale, Scientist-C, SCMD gave a live demonstration of Digital Solutions available at BIS website. He showcased the latest digital initiatives and platforms especially the features of Academic Dashboard developed to streamline the standardization process and making it more accessible and efficient for the MOU partner institutes. He also illustrated how these tools are designed to facilitate greater participation from academia and other stakeholders by providing easy access to draft standards, enabling the submission of comments and suggestions, participation in R & D projects and offering a range of other interactive features to enhance collaboration.

- **Closing Remarks and Vote of Thanks**

Shri Sanjay Pant, DDG (Standardization II) delivered the closing remarks, emphasizing the importance of collaboration between BIS and academic institutions in the field of standardization. He acknowledged the efforts made during the sessions and highlighted key areas for future cooperation:

- Academic Collaboration: Encouraging technical institutions to integrate research efforts with BIS initiatives and contribute to the drafting, revision, and amendment of Indian standards.
- Utilization of Research: Leveraging existing research by faculty and students to enhance standardization efforts and align academic outputs with national standards.
- Continuous Updating of Standards: Ensuring that Indian standards remain relevant by integrating advancements in production processes, material testing, and international best practices.
- Development of Special Publications: Creating handbooks, design aids, and commentaries to assist engineers, students, and professionals in understanding and applying standards.
- Capacity Building: Strengthening faculty participation in standardization activities and organizing seminars, conferences, and workshops to spread awareness.
- Integration of Standardization in Education: Introducing elective courses on standardization, sharing learning materials, and enabling faculty members to deliver lectures on the role of standards in their respective fields.
- Engagement with Startups and R&D: Exploring ways to align academic research and startup innovations with standardization efforts for national development.

He concluded by thanking all participants for their contributions and reaffirming BIS's commitment to collaborate with academic institutions.

Shri Virendra Singh, Scientist-E/Director expressed gratitude to all dignitaries, organizers, and participants for their active engagement in making the event successful. He specifically acknowledged, Director General, BIS, Shri Pramod Kumar Tiwari for his vision and guidance in strengthening collaboration with academic institutions. Shri Sanjay Pant for his leadership in planning and executing the event. Deputy Director General, Shri Praveen Kumar Khanna, and other senior officers for their support and valuable insights. Expert Panelists and Academicians from institutions like ISM Dhanbad, IIT Kanpur, IIT Bombay, and GRIHA Council, etc. for sharing their expertise on standardization. Event Management and Logistics Teams for their seamless

coordination and execution of the event. Participants for their enthusiasm and active engagement, which enriched the discussions and knowledge-sharing sessions.

ANNEX A

Identification of New subjects/areas for Standardization:

In order to make programme more interactive and engaging an exercise session was conducted. During the session each of the participant was given a task to identify key areas where new standards are needed. Delegates engaged actively and pin-pointed following area for standardization.

Name of Delegate & Institute	New Subject/area proposed for Standardization	Remarks
Group-1		
1. Dr. Puneet Pal Singh Cheema, Assistant Professor, Civil Engineering Department, Guru Nanak Dev Engineering College, Ludhiana 2. Dr. Vineet Kumar Rathore, Assistant Professor, Department of Chemical Engineering, Sardar Vallabhbhai National Institute of Technology, Surat 3. Prof. Anantha Singh T S, Assistant Professor, Civil Engineering Department (Environmental Engineering), National Institute of Technology Calicut 4. Prof. Animesh Kumar Golder, Professor and Head of Centre for the Environment, Indian Institute of Technology Guwahati 5. Prof. Ashok Kumar Gupta, Professor (HAG), Environmental Engineering, Civil Engineering Department and Former Head, School of Water Resources, Indian Institute of Technology Kharagpur 6. Prof. Deepa Meghavathu, Professor, Chemical Engineering Department, Andhra	Guidelines for Reuse of mine water	Abstraction of high amount of used mine water deteriorate the water quality and standard maybe developed for reuse for various purposes. **Experts Suggestion:** 1. Prof. Alok Sinha, IIT Dhanbad, 2. Prof. Sunil Kumar Gupta, IIT Dhanbad
	Determination of Microplastic in Water	Formation of methodology for determination in water, wastewater, soil, food and drugs packaging. **Experts Suggestion:** 1. Prof. Ashok Kumar Gupta, Indian Institute of Technology Kharagpur 2. Dr. Vineet Kumar Rathore, Sardar Vallabhbhai National Institute of Technology, Surat 3. Dr. Puneet Pal Singh Cheema, Guru Nanak Dev Engineering College, Ludhiana
	Code of Practice for safe disposal of sanitary napkins and diapers	Highly toxic and contaminate MSW. **Experts Suggestion:** 1. Dr. Vineet Kumar Rathore, Sardar Vallabhbhai National Institute of Technology, Surat **Experts Suggestion:** 1. Prof. Sujaatha A, Sri Sairam Engineering College, Chennai 2. Dr. Puneet Pal Singh Cheema, Guru Nanak Dev Engineering College, Ludhiana

University College of Engineering, Visakhapatnam 7. Prof Alok Sinha, Head of Department, Env Sci & Engg, IIT Dhanbad 8. Prof. Sunil Kumar Gupta, Dean (SW) & Prof. (HAG), Environment Science and Engineering Department, IIT Dhanbad 9. Prof. Manoj Kumar Tiwari, Associate Professor, Civil Engineering Department, Indian Institute of Technology Kanpur 10. Prof. Veluru Sridevi, Professor, Department of Chemical Engineering, Andhra University College of Engineering, Visakhapatnam		
Group-2		
1. Dr. Kiran Gajendra Asutkar, Associate Professor, Civil (Environmental) Engineering, Government College of Engineering Nagpur 2. Prof. Abhishek Basavaraj Kamadollishettar, Assistant Professor, School of Civil and Environmental Engineering, KLE Technological University, Hubballi 3. Prof. Amit Yadav, Assistant Professor, Department of Civil Engineering, National Institute of Technology Mizoram 4. Prof. Amiya Kumar Samanta, HoD, Earth & Environmental Studies, Professor, Civil Engineering, National Institute of Technology Durgapur 5. Prof. Naveen Kwatra, Professor & Associate Dean, Civil Engineering Department, Thapar Institute of Engineering & Technology, Patiala	Utilization of Agricultural Waste in Concrete	• Sustainable material • Waste management • Carbon sequestration • Precast panel paver blocks There are drawbacks in conventional cement. Huge release of greenhouse gas 0.85 tonn/tonn construction of cement. It is energy intensive process. Depletion of raw materials like limestone/clay. Advantages: Use of industrial waste, flyash, slag, ricehusk ash etc. **Experts Suggestion:** 1. Prof. Rathish Kumar Pancharathi, National Institute of Technology Warangal
	Biodegradable Plastic for packaging purpose-Specification	This can help to protect both public health and environment. **Experts Suggestion:** 1. Prof. Pradeep Sarkar, NIT Rourkela
	Use of PET and HDPE waste in concrete for structural and non-	To propose the formulation of a new BIS std. or the inclusion of plastic waste utilization in IS 383:2016 (Aggregates for concrete). The standard should cover: 1. Material classification (types of plastic suitable for use)

6. Prof. Rathish Kumar Pancharathi, Professor, Civil Engineering, National Institute of Technology Warangal 7. Prof. Siddhartha Rokade, Professor, Civil Engineering Department, Maulana Azad National Institute of Technology Bhopal 8. Prof. Sudhanshu Sekhar Das, Head Department of Civil Engineering, Veer Surendra Sai University of Technology, Burla 9. Prof. Suresh Prasad Singh, Professor & Head, Department of Civil Engineering, National Institute of Technology Rourkela 10. Prof. Vasugi K, Associate Professor, School of Civil Engineering, Vellore Institute of Technology, Chennai	structural elements. (Ceiling panels, partition walls etc.)	2. Physical and mechanical properties (density, durability, workability) 3. Mix proportion guidelines for different application (pavements, non load bearing walls, light weight concrete) Testing methods to assess the impact of plastic aggregates on concrete performance **Experts Suggestion:** 1. Dr. Anand M Humashyal, KLE Technological University
	Use of expanded polystyrene (EPS) in concrete for thermal insulation	Performance and durability: 10-20% replacement with FA with plastic waste, doesn't significantly compromise compressive strength for non-structural and light-weight concrete application. **Experts Suggestion:** 1. Dr. Anand M Humashyal, KLE Technological University
	Use of treated Bamboo as a structural rebar for low-rise construction (Rural) PMJAY	No threshold or specific criteria for bamboo transition from "Natural" to "treated". Only preservation methods. IS 15912:2018 doesn't specifically address the use of treated bamboo as a replacement for rebars IS 59096:2006, No design guidelines for treated bamboo as reinforcement in concrete **Experts Suggestion:** 1. Prof. Abhishek B. Kamadollishettar, KLE Technological University, Hubballi
Group-3		
1. Dr M S Chauhan, Professor Environmental Engineering, Maulana Azad National Institute of Technology Bhopal 2. Dr Umamageswari T S R, Associate Professor & Head, Chemistry Department, PSNA College Of Engineering and Technology Dindigul 3. Ms. B Neeraja Satya, Assistant Professor, Rajiv Gandhi University of Knowledge Technologies Nuzvid	Management and treatment of Hospital wastewater– Guidelines	Like for Biomedical solid waste, need for wastewater also as it is discharged into same sewer line **Experts Suggestion:** Dr M S Chauhan, Maulana Azad National Institute of Technology Bhopal
	Waterbody Rejuvenation by Nature based solutions	**Experts Suggestion:** 1. Prof. Anju Singh
	Methods for determination of Emerging contaminants	Guidelines on the emerging contaminants do not exist. ASTM reference is given, BIS not there **Experts Suggestion:**

4. Prof. Ajey Kumar Patel, Associate Professor, Environmental Engineering, National Institute of Technology, Warangal 5. Prof. Bibhash Sarma, Professor, Civil Engineering Department, Assam Engineering College, Guwahati 6. Prof. Idhaya Chandhiran Ilampooranan, Assistant Professor, Water Resources Development and Management Department, Indian Institute of Technology Roorkee 7. Prof. Prasad Kesheo, Asst. Professor, Civil Engineering, Indian Institute of Technology (BHU) Varanasi 8. Prof. Saravanan K, Professor, Centre for Climate Change and Environment, Vellore Institute of Technology, Chennai 9. Prof. Sujaatha A, Associate Professor, Civil Engineering, Sri Sairam Engineering College, Chennai 10. Prof. Anju singh, Professor, IIM Mumbai	(such as PFAs, PFOs, etc.)	1. Prof. Ajey Kumar Patel, National Institute of Technology, Warangal 2. Prof. Debraj Bhattacharya, IIT Hyderabad
	Code of Practice for Recharge of Borewell by roof water harvesting	Guideline for Bore recharge **Experts Suggestion:** 1. Dr M S Chauhan, Maulana Azad National Institute of Technology Bhopal
	Management of GHG from agricultural sector	Guideline to determination and mitigation of GHGs generating from the agricultural sector **Experts Suggestion:** 1. Prof. Idhaya Chandhiran Ilampooranan, IIT Roorkee
	Holi colors-Specifications	Guidelines for colors being used not harming children's skin and health **Experts Suggestion:** 1. Ms. B Neeraja Satya, Rajiv Gandhi University of Knowledge Technologies Nuzvid
Group-4		
1. Dr Gunda Mohanakrishna, Associate Professor, Centre for Energy and Environment, KLE Technological University, Hubballi	Sludge quality index and index based use categorization	Sludge contains several contaminants and can be harmful to agricultural fields though it contains potential nutrients. Same sludge can be used for other purposes based on its quality eg. Bricks formation etc.
2. Dr. Brijesh Prasad, Associate Professor, Graphic Era (Deemed to be University) Dehradun 3. Dr. Pamila R, Professor & Head, Department of Civil Engineering, Sri Sairam Engineering College, Chennai	Code of Practice for use and Management of Nanomaterials and composites for environmental applications	Standardization of materials that are being currently extensively used and explored for water treatment and fate of Spent adsorbents and their reuse after regeneration Disposal/secondary use of spent waste after application

4. Dr. Subbarao Pichuka, Assistant Professor, Civil Engineering Department, Indian Institute of Technology Madras 5. Ms. Shabnam Bassi, Deputy CEO & Secretary, Green Rating for Integrated Habitat Assessment (GRIHA) Council, New Delhi 6. Prof. Nitin Khandelwal, Assistant Professor, Department of Hydrology, Indian Institute of Technology, Roorkee 7. Prof. Gajendra Mahadeorao Asutkar, Vice Principal and Professor AI&DS Department, Priyadarshini College of Enginering Nagpur 8. Prof. Janardhanan G, Dean (Academics & Research), Professor, Civil Engineering, National Institute of Technical Teachers Training and Research Chennai 9. Prof. Mohan M, Assistant Professor, Civil Engineering Department, PSNA College of Engineering and Technology, Dindigul	Code of Practice for Green educational campuses	At each campus, we say we have green campus. This can be standardized, and each campus can be given numbers
Group-5		
1. Dr. Amit Kumar, Assistant Professor (Environmental Engineering), Department of Civil Engineering, Malaviya National Institute of Technology Jaipur (MNIT) 2. Dr. Vikas Balasaheb Varekar, Assistant Professor, Civil and Environmental Engineering Department, Veermata Jijabai Technological institute (VJTI) Matunga Mumbai Maharashtra 3. Dr.D.Sivakumar, Assistant Professor, Department of Chemical Engineering, Sri Venkateswara College of Engineering, Sriperumbudur, Chennai	Guidelines for setting up C&D waste processing plant	-
	Code of Practice for auditing of solid waste management facilities	-
	Guidelines for developing water supply scheme based on riverbank filtration	RBF technique naturally removes contaminants like microorganisms, suspended solids/turbidity, organic matter, and heavy metals. In RBF, when pumping is done in a production well located nearer to the river, because of difference in head, a hydraulic gradient will be created. This will induce the river water to pass through the aquifer. During its passage, the contaminants will filtrate out. The filtration quality and quantity depend upon hydraulic conductivity of

4. Pradip Baishya, Professor, Mechanical Engineering Department, Assam Engineering College, Guwahati 5. Rakesh Roshan Dash, Professor, Environmental Engineering (Dept. of Civil Engineering) & Dean Student's Welfare, Veer Surendra Sai University of Technology Burla 6. Sagarika Panigrahi, Assistant Professor, Environment Engineering Department, National Institute of Technology Agartala, Agartala 7. Sudha Baldev Sahai Goel, Professor, Environmental Engineering and Management, Indian Institute of Technology Kharagpur 8. Vivek Gupta, Assistant Professor, Department of Civil Engineering, Thapar Institute of Engineering and Technology Patiala		aquifer, pumping rate, distance of production well to river. So, setting up a proper production well based on different aquifer conditions / hydrogeological site condition is required to be developed to help in designing a water supply scheme based on RBF.
	coloured engineered stone using coloured dimensional stone waste- Specifications	Granite & Marble reserves are limited in nature. We should conserve it and replace the virgin stone with engineered stone as much as possible.
	cow dung-based admixture for building materials- Specification	Use of cow-dung as an alternative to chemical-based admixture is a sustainable approach. It will boost the rural economy of India if such products come into industrial scale after standardization.

ANNEX B

Attendance Report

Sl No.	Organization/Institute Name	Name of the Participant	Designation and Department
1	Andhra University College of Engineering, Visakhapatnam	Deepa Meghavathu	Professor, Department of Chemical Engineering
2	Andhra University, Visakhapatnam, Andhra Pradesh	Veluru Sridevi	Professor, Department of Chemical Engineering
3	Assam Engineering College, Guwahati	Bibhash Sarma	Professor, Civil Engineering Department
4	Assam Engineering College, Guwahati	Pradip Baishya	Professor, Mechanical Engineering Department
5	Government College of Engineering Nagpur	Dr. Kiran Gajendra Asutkar	Associate Professor, Civil (Environmental) Engineering
6	Graphic Era (Deemed to be University) Dehradun	Dr. Brijesh Prasad	Associate Professor
7	Green Rating for Integrated Habitat Assessment (GRIHA) Council, New Delhi	Ms. Shabnam Bassi	Deputy CEO & Secretary, GRIHA Council
8	Guru Nanak Dev Engineering College, Ludhiana	Dr. Puneet Pal Singh Cheema	Assistant Professor, Civil Engineering Department
9	IIM Mumbai	Anju singh	Professor
10	IIT (ISM) Dhanbad	Prof Alok Sinha	Head of Department, Environmental Science & Engineering (ESE)
11	IIT (ISM) Dhanbad	Prof. Sunil Kumar Gupta	Dean (SW), & Prof. (HAG)/ ESE
12	Indian Institute of Technology (BHU), Varanasi	Prasad Kesheo	Asst. Professor, Civil Engineering
13	Indian Institute of Technology Guwahati	Animes Kumar Golder	Professor and Head of Centre for the Environment
14	Indian Institute of Technology Kanpur	Manoj Kumar Tiwari	Head, Centre for Environmental Science and Engineering; Associate Professor, Civil Engineering Department
15	Indian Institute of Technology Kharagpur	Sudha Baldev Sahai Goel	Professor, Environmental Engineering and Management
16	Indian Institute of Technology Kharagpur	Ashok Kumar Gupta	Professor (HAG), Environmental Engineering, Civil Engineering Department and Former Head, School of Water Resources
17	Indian Institute of Technology Madras	Dr. Subbarao Pichuka	Assistant Professor, Civil Engineering Department

18	Indian Institute of Technology Roorkee	Idhaya Chandhiran Ilampooranan	Assistant Professor, Water Resources Development and Management Department
19	Indian Institute of Technology, Roorkee	Prof. Nitin Khandelwal	Assistant Professor, Department of Hydrology
20	Kle Technological University, Hubballi	Abhishek Basavaraj Kamadollishettar	Assistant Professor, School of Civil and Environmental Engineering
21	KLE Technological University, Hubballi	Dr Gunda Mohanakrishna	Associate Professor, Center for Energy and Environment
22	Malaviya National Institute of Technology Jaipur (MNIT)	Dr. Amit Kumar	Assistant Professor (Environmental Engineering), Department of Civil Engineering
23	Maulana Azad National Institute of Technology Bhopal	Dr M S Chauhan	Professor, Environmental Engineering
24	Maulana Azad National Institute of Technology Bhopal, Bhopal Madhya Pradesh	Siddhartha Rokade	Professor, Civil Engineering Department
25	National Institute of Technical Teachers Training and Research Chennai	Janardhanan G	Professor of Civil Engineering and Dean (Academics & Research)
26	National Institute of Technology Agartala, Agartala	Sagarika Panigrahi	Assistant Professor, Environment Engineering Department
27	National Institute of Technology Calicut	Anantha Singh T S	Assistant Professor, Civil Engineering Department (Environmental Engineering)
28	National Institute of Technology Durgapur	Amiya Kumar Samanta	HoD, Earth & Environmental Studies. Professor, Civil Engg.
29	National Institute of Technology Mizoram	Amit Yadav	Assistant Professor, Department of Civil Engineering
30	National Institute of Technology Rourkela, Rourkela-769008, Odisha	Suresh Prasad Singh	Professor & Head, Department of Civil Engineering
31	National Institute of Technology Warangal	Prof Rathish Kumar Pancharathi	Professor of Civil Engineering
35	National Institute of Technology, Warangal	Ajey Kumar Patel	Associate Professor, Environmental Engineering
36	Priyadarshini College Of Enginering Nagpur	Gajendra Mahadeorao Asutkar	Vice Principal and Professor AI&DS Dept
37	PSNA College of Engineering And Technology Dindigul	Dr Umamageswari T S R	Associate Professor & Head, Chemistry Department

38	PSNA College of Engineering And Technology, Dindigul	Mohan M	Assistant Professor, Civil Engineering Department
39	Rajiv Gandhi University of Knowledge Technologies Nuzvid	Mrs. B Neeraja Satya	Assistant Professor
40	Sardar Vallabhbhai National Institute of Technology, Surat	Dr. Vineet Kumar Rathore	Assistant Professor, Department of Chemical Engineering
41	Sri Sairam Engineering College , Chennai	Dr.Pamila R	Professor &Head / Department of Civil Engineering
42	Sri Sairam Engineering College, Chennai Sujaa	Sujaatha A.	Associate professor & Civil Engineering
43	Sri Venkateswara College of Engineering, Sriperumbudur, Chennai	Dr. D. Sivakumar	Assistant Professor, Department of Chemical Engineering
44	Thapar Institute of Engineering & Technology, Patiala, Punjab.	Naveen Kwatra	Professor &Associate Dean, Civil Engineering Department
45	Thapar Institute of Engineering and Technology Patiala	Vivek Gupta	Assistant Professor, Department of Civil Engineering
46	Veer Surendra Sai University of Technology	Sudhanshu Sekhar Das	Head Department of Civil Engineering
47	Veer Surendra Sai University of Technology Burla	Rakesh Roshan Dash	Professor, Environmental Engineering (Dept. of Civil Engineering) & Dean Student's Welfare
48	Veermata Jijabai Technological institute (VJTI) Matunga Mumbai Maharashtra	Dr. Vikas Balasaheb Varekar	Assistant Professor, Civil and Environmental Engineering Department
49	Vellore Institute of Technology, Chennai	Vasugi K	Associate Professor, School of Civil Engineering
50	Vellore Institute of Technology, Chennai	Saravanan K	Professor, Centre for Climate Change and Environment