



BUREAU OF INDIAN STANDARDS

Agenda of the fifteenth meeting of Drinking Water Supply, Wastewater and Stormwater Systems and Services Sectional Committee, SSD 14

Date	Day	Time	Venue
24 July 2024	Wednesday	1500 h	TERI, New Delhi

Chairman: Shri Suneel Kumar Arora, IDSE (Retd), In personal capacity.

Member Secretary: Ms Priyanka Singh, Sc B/AD, BIS

Item 0 WELCOME AND OPENING REMARKS

0.1 By Member Secretary

0.2 By Chairman

Item 1 CONFIRMATION OF THE MINUTES OF THE PREVIOUS MEETING

The minutes of the fourteenth meeting of the Drinking Water Supply, Wastewater and Stormwater Systems and Services Sectional Committee, SSD 14 held on 04 April 2024 were circulated vide BISDG letter No. SSD 14/A-2.14 dated 23 April 2024. No comments were received on the minutes.

The Committee may formally ***confirm the minutes.***

Item 2 SCOPE AND COMPOSITION OF SSD 14 SECTIONAL COMMITTEE

2.1 Scope

The present scope of the Drinking Water Supply, Wastewater and Stormwater Systems and Services Sectional Committee, SSD 14 is given below:

‘Standardization of the management concepts for service activities and processes relating to drinking water supply, wastewater and stormwater systems.

This structure includes activities necessary to fulfil the objectives of water supply, wastewater and storm water systems. Water supply for purposes other than drinking water can be included in this management concept structure.

Excluded:

- *Normative target or threshold values for service quality criteria;*
- *Normative limits of acceptability for drinking water quality or for wastewater*

and storm water discharges to the environment;

- Product specifications for chemical and biological additives for water and wastewater treatment;
- Standardization in sludge recovery, recycling, treatment and disposal;
- Standardization in water reuse;
- Methods for the measurement of water quality.’

Liaison with: ISO/TC 224 – Service activities relating to drinking water supply, wastewater and stormwater systems.

The Committee may **review the scope**.

2.2 Composition of the Sectional Committee SSD 14

2.2.1 The composition of the sectional committee and participation status in the last three meetings is placed in **Annex A**.

The Committee may **review the composition**.

2.2.2 The member organizations who have not attended the last three meetings of the Sectional Committee, SSD 14 are identified and placed below:

Sl NO.	Organization Name
1.	Brihan Mumbai Municipal Corporation, Mumbai
2.	CSIR - National Environmental Engineering Research Institute, Nagpur
3.	L&T-Sargent & Lundy Limited, Vadodara
4.	National Institute of Hydrology, Roorkee

The Committee may **review and decide**.

In the fourteenth committee meeting the committee decided to re-write the review of the representation letter to the top management of Brihan Mumbai Municipal Corporation (BMC) in copy to the Chairperson, SSD 14 and with assistance of Dr Anshuman. Accordingly, BIS sent letter to the Municipal Commissioner of BMC dated 21st May 2024, but no response received so far.

The Committee may **review and decide**.

2.3 Composition of the Panel for drafting roadmap SSD 14/P1

The Composition of the Panel for drafting roadmap SSD 14/P1 under the SSD 14 committee is given below:

Sl No.	Name of Member	Name of Organization
1	Shri Girish Mishra (Convener)	Saviram Engineering Consultants Pvt Ltd, NOIDA
2	Shri Rajat Jain (Co-	WAPCOS, Gurugram

	Convener	
3	Dr Rajesh Singh	National Institute of Hydrology, Roorkee
4	Ms Pallavi Gulati	Quality Council of India, New Delhi
5	Dr Ramakant	Central Public Health and Environmental Engineering Organization, New Delhi
6	Shri J C Singhal	Institute of Engineers India, New Delhi

The Committee may note.

2.4 Composition of the Panel for drafting standard on Piped Drinking Water Supply Service SSD 14/P2

The Composition of the Panel for drafting standard on Piped Drinking Water Supply Service SSD 14/P2 under the SSD 14 committee is given below.

Sl No.	Name of Member	Name of Organization
1	Dr Ramakant (Convener)	Central Public Health and Environmental Engineering Organization, New Delhi
2.	Dr Anshuman (Co-convener)	The Energy and Resources Institute, New Delhi
3	Dr. Preeti Chaturvedi Bhargava	CSIR-Indian Institute of Toxicology Research, Lucknow
4	Prof Arun Kumar	Indian Institute of Technology Delhi, New Delhi
5	Shri Padmanabh Maniyar	In personal capacity, Bengaluru
6	Shri B. K. Mukopadhyay	Voluntary Organization in Interest of Consumer Education (VOICE), New Delhi

The Committee may please *note*.

2.5 Composition of the Panel for drafting standards on Distribution Networks and Vocabulary SSD 14/P3

The Composition of the Panel for drafting standard on distribution networks and vocabulary SSD 14/P3 under the SSD 14 committee is given below.

Sl No.	Name of Member	Name of Organization
1	Dr Ramakant (Convener)	Central Public Health and Environmental Engineering Organization, New Delhi
2	Shri Padmanabh Maniyar (Co-convener)	In personal capacity, Bengaluru
3	Shri J C Singhal	Institute of Engineers India, New Delhi
4	Shri R K Param	Military engineer Services, Delhi
5	Shri Rajat Jain	WAPCoS, Gurugram

The Committee may please *note*.

2.6 Composition of the Panel for drafting standards on Disaster/Crisis Management SSD 14/P4

2.6.1 The Composition of the Panel for drafting standard on disaster/crisis management SSD 14/P4 under the SSD 14 committee is given below:

Sl No.	Name of Member	Name of Organization
1	Shri Rajat Jain (Convener)	WAPCoS, Gurugram
2	Dr Ramakant (Co-Convener)	Central Public Health and Environmental Engineering Organization, New Delhi
3	Shri Deepak Khare	Indian Institute of Technology Roorkee
4	Abhishek Sharma	National Disaster Management Authority, New Delhi
5	Dr Preeti Chaturvedi Bhargava	CSIR-IITR
6	Col. A K Chaubey	In personal Capacity, Lucknow

The Committee may please **note**.

2.7 Composition of the Working Group for drafting standards on water audit SSD 14/WG01

The Composition of the Working Group for drafting standards on water audit SSD 14/WG01 under the SSD 14 committee is given below:

Sl No.	Name of Member	Name of Organization
1	Dr Anshuman (Convener)	The Energy and Resources Institute, New Delhi
2	Shri S K Singh (Co-convener)	Delhi Jal Board
3	Shri K.D. Bhardwaj	National Productivity Council, New Delhi
4	Ms Shilpa Nischal	Confederation of Indian Industry, New Delhi

The Committee may please **note**.

Item 3 DRAFT DOCUMENT FOR FINALIZATION

In the fourteenth meeting of Sectional Committee, SSD 14, the committee decided to circulate the draft document SSD (24778)WC on 'Alternate drinking water supply provision during crisis – Guideline' under wide circulation for two months for comments/suggestions. Accordingly, BIS circulated the draft document through BIS portal and email were also sent to more than 500 organizations including industry, academia, R&D, State/Central government and others.

BIS has received comments from the Ministry of Jal Shakti, the draft document with comments is attached as **Annex B**.

The Committee may please **discuss and decide further course of action**.

Item 4 R& D PROJECT UNDER SSD 14

BIS has taken up the initiative to conduct an R&D study for new subjects taken up for standardization. With regards to that, the three ToRs were prepared by the Drinking Water Supply, Wastewater and Stormwater Systems and Services Sectional Committee, SSD 14 Sectional Committees of BIS and were further approved by the BIS screening committee dated 31 May 2024. The details of the R&D projects are available on the BIS Portal. The link to access the ToR to submit a research proposal is given below.

https://www.services.bis.gov.in/php/BIS_2.0/eBIS/research-projects-commissioned

The committee may **note**.

Item 5 INTERNATIONAL ACTIVITY

5.1 Ballots and voting under ISO/TC 224

The following ISO ballots from ISO/TC 224, were received after the fourteenth meeting of SSD14:

Sl No.	Doc Reference	Title	Ballot Received	Last date of ballot	Reply of NMC
1.	ISO/DIS 24566-3	Drinking water, wastewater and storm water systems and services — Adaptation of water services to climate change impacts — Part 3: Drinking Water services	04-06-2024	27-8-2024	Upcoming
2.	ISO/DIS 24566-4	Drinking water, wastewater and storm water systems and services — Adaptation of water services to climate change impacts — Part 4: Wastewater services	04-06-2024	27-8-2024	Upcoming
3.	ISO/DIS 24521 (Ed 2)	Drinking water, wastewater and stormwater systems and services — Guidelines for the management of basic on-site domestic wastewater services	27-06-2024	19-9-2024	Upcoming

4.	ISO 46001:201 9	Water efficiency management systems — Requirements with guidance for use	15-07-2024	02-12- 2024	Upcoming
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The committee may **discuss**.

5.2 International Meetings of ISO/TC 224

The ISO/TC 224 on 'Drinking Water Supply, Wastewater and Stormwater Systems and Services' conducted its 18th plenary meeting and working group meetings from 25 to 28 June 2024 as informed via email dated 18 May 2024. The draft agenda of the meeting was circulated to the members via email dated 04 June 2024 and were requested to show their interest in participating in the meeting.

Based on the feedback received from the members and their contribution to the standardization work of ISO/TC - 224 and its Working Groups, the Chairman, SSD 14, approved the following members for attending the plenary meeting of ISO/TC 224 via email dated 12 June 2024;

- a) Dr Anshuman, TERI;
- b) Dr Rajesh Singh, NIH;
- c) Shri Padmanabh Maniyar, In personal capacity; and
- d) Ms Priyanka Singh.

The details of the meetings attended by the members are as follows:

Sl No.	Name and Organization	Meeting Attended	Date and Place	Mode
1.	Ms Priyanka Singh, BIS	1. 09th meeting of ISO TC 224/WG 10 on Flushable Products;	25-26 June 2024 in Tokyo, Japan.	Physical
		2. 35th meeting of ISO TC 224/WG 07 on Crisis Management in water utility; and	27 June 2024, Virtual	Virtual
		3. 18th meeting of ISO TC 224.	28 June 2024, Virtual	Virtual
2.	Dr Anshuman, TERI, New Delhi	1. 09th meeting of ISO TC 224/WG 10 on Flushable Products; and	25-26 June 2024 in Tokyo, Japan.	Physical
		2. 18th meeting of ISO TC 224.	28 June 2024, Virtual	Virtual
3.	Shri Padmanabh Maniyar, In personal capacity	1. 35th meeting of ISO TC 224/WG 07 on Crisis Management in water utility; and	27 June 2024, Virtual	Virtual
		2. 18th meeting of ISO TC 224.	28 June 2024, Virtual	Virtual
4.	Dr Rajesh Singh, Scientist D, NIH Roorkee	18th meeting of ISO TC 224.	28 June 2024, Virtual	Virtual

A briefing meeting for the Indian delegation was held on 19 June 2024 wherein the agenda of the meetings were discussed in detail with respect to India's standpoint on important issues. During the meeting, the Indian delegates deliberated on the comments shared by BIS on ISO/CD 18671 on Test Methodologies for determining products suitable to be flushed down a toilet and appropriate labelling and ISO/CD 24599 on Guidelines for the Management of Mobile Toilets During Epidemic.

The report of the international meetings attended by the members is attached as **Annex C**.

The committee may **discuss**.

Item 6 DATE & PLACE OF THE NEXT MEETING

Considering the issuance of new guidelines for standardization activities, the system of quarterly meetings must be followed. The Chairperson has approved the following meeting dates for the financial year 2024-2025:

1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
04 April 2024	24 July 2024	18 October 2024	17 January 2025

The committee may **note** the next meeting date and decide the mode of the meeting.

Item 8 ANY OTHER BUSINESS

Annex – A**The Composition of the Drinking Water Supply, Wastewater and Stormwater Systems and Services Sectional Committee, SSD 14**

SI No.	Organization / In Personal Capacity)	Name (s) of Representative	Category	Attendance			
				12th	13th	14th	Total
1.	Military Engineer Services, New Delhi	Shri Suneel Kumar Arora	Chairperson	Y	Y	Y	3/3
2.	Brihan Mumbai Municipal Corporation, Mumbai	Shri Anil Ragunath Kotkar	Principal Member	-	-	-	0/3
		Shri U.S. Mudras	Alternate Member	-	-	-	0/3
3.	CSIR - Indian Institute of Toxicology Research, Lucknow	Dr Preeti Chaturvedi Bhargava	Principal Member	Y	Y	Y	3/3
		Dr Satyakam Patnaik	Alternate Member	N	N	N	
4.	CSIR - National Environmental Engineering Research Institute, Nagpur	Dr P.K. Labhasetwar	Principal Member	Y	N	N	1/3
		Shri. G. K. Khadse	Alternate Member	N	N	N	
5.	Centre for Science and Environment, Gurgaon	Dr Sumita Singhal	Principal Member	Y	Y	N	2/3
6.	Central Public Health and Environmental Engineering Organization, New Delhi	Dr Ramakant	Principal Member	Y	Y	Y	3/3
7.	Central Water Commission, New Delhi	Shri Deepak Kumar	Principal Member	Y	N	N	3/3
		Shri Pankaj Kumar	Alternate Member	Y	Y	Y	
8.	Central Public Works Department, New Delhi	Shri Dinesh K Ujjainia	Principal Member	N	Y	Y	2/3
		Shri Chandra Shekhar Azad	Alternate Member	N	N	N	

		Mrs Anshu R. Shukla	Young Professional	N	N	N	
9.	Chennai Metropolitan Water Supply and Sewerage Board, Chennai	Ms. A. Pusphalata	Principal Member	-	N	N	2/2
		Ms R. Chitra	Alternate Member I		N	N	
		Ms N Shiva Shankari	Alternate Member II		Y	Y	
10.	Delhi Jal Board, New Delhi	Shri Sanjay Sharma	Principal Member	-	Y	Y	2/2
		Shri Sunil Kumar Singh	Alternate Member		N	Y	
11.	Engineers India Limited, Gurugram	Shri Parveen Kumar Goel	Principal Member	Y	N	N	3/3
		Ms. Antara Das	Alternate Member	Y	Y	Y	
12.	Indian Institute of Technology Delhi, New Delhi	Prof. Arun Kumar	Principal Member	Y	Y	Y	3/3
		Prof. V. Arya	Alternate Member	N	N	N	
		Ms. Radhika Sharma	Young Professional	N	N	N	
13.	Indian Institute of Technology Roorkee, Roorkee	Dr. K. S. Hari Prasad	Principal Member	N	Y	Y	3/3
		Prof. Zulfequar Ahmad	Principal Member	Y	N	N	
14.	Institute of Engineers India, New Delhi	Shri J. C. Singhal	Principal Member	Y	Y	N	2/3
15.	Indian Institute of Technology, indore	Dr, Ashootosh Mandpe	Principal Member	-	Y	N	1/2
16.	Indian Water Works Association, Delhi	Shri Kanwarjit Singh	Principal Member	Y	Y	Y	3/3
17.	L&T-Sargent & Lundy Limited, Vadodara	Shri Karthik Belligundu	Principal Member	N	Y	N	1/3
		Shri Akash Kumar Dineshbhai Shah	Alternate Member	N	N	N	
18.	Ministry of Jal Shakti, Department of Drinking Water and Sanitation, New Delhi	Shri Sumit Priyadarshi	Principal Member	Y	Y	N	2/3
19.	National Institute of Hydrology,	Shri Mukesh Kumar Sharma	Principal Member	N	N	N	1/3

	Roorkee	Shri Rajesh Singh	Alternate Member	N	Y	N	
20.	Public Health Engineering Department, West Bengal	Shri Hemanta Koley	Principal Member	N	N	N	3/3
		Mr. Soumitra Chakraborty	Alternate Member	Y	Y	Y	
21.	Saviram Engineering Consultants Private Limited, Civil Engineering Department, Noida	Shri Girish Chandra Mishra	Principal Member	R	Y	Y	3/3
22.	Sulabh International Social Service Organisation, New Delhi	Dr. N.B Mazumdar	Principal Member	New Co-option			
		Shri R. C Jha	Alternate Member				
23.	The Energy and Resources Institute, New Delhi	Shri Anshuman	Principal Member	Y	Y	Y	3/3
		Ms. Niyati Seth	Alternate Member	N	N	N	
24.	Voluntary Organisation in Interest of Consumer Education (VOICE), New Delhi	Shri B. K. Mukopadhyay	Principal Member	Y	Y	Y	3/3
		Shri K. C. Chaudhary	Principal Member	N	N	N	
25.	Water and Power Consultancy Services Limited, Gurugram	Shri Rajat Jain	Principal Member	Y	Y	Y	3/3
26.	IN PERSONAL CAPACITY	Shri R.S Tyagi	Personal Capacity	Y	Y	N	2/3
27.	IN PERSONAL CAPACITY	Col. A K Chaubey	Personal Capacity	Y	Y	Y	3/3
28.	IN PERSONAL CAPACITY	Shri Rajeshwar Rao Bandari	Personal Capacity	Y	Y	Y	2/3
29.	IN PERSONAL CAPACITY	Shri Padmanabh Maniyar	Personal Capacity	Y	Y	Y	3/3