

WATER RESOURCES DEPARTMENT (BIS)**AGENDA**

Coastal Zone Water Management Sectional Committee, WRD 28		5th Meeting
Day and Date	Time	Venue
30 September 2024, Monday	11:00 AM	BIS HQ, New Delhi
<u>Link for virtual participation :</u>		
URL: https://bismanak.webex.com/bismanak/j.php?MTID=m91972f9c17e4ac38fd41410a0cf4de2c		
Chairperson:		Member Secretary:
Prof. V. Sundar, In Personal Capacity		Mr. Navdeep Yadav, Assistant Director, BIS

ITEM 0 WELCOME AND INTRODUCTORY REMARKS**ITEM 1 CONFIRMATION OF THE MINUTES OF THE PREVIOUS MEETING**

The 4th meeting of WRD 28 was held on 13 March 2024 and the minutes duly approved by the Chairperson were circulated to members vide BIS email dated 22 March 2024. No comments have been received on the circulated minutes.

The Committee may CONFIRM the minutes as circulated.

ITEM 2 COMPOSITION OF THE SECTIONAL COMMITTEE

2.1 The present composition and attendance of the last three meetings of the Committee is given at [Annex 1](#).

The Committee may NOTE & REVIEW.

2.2 The Committee in the last meeting decided to contact the following organizations once again for their co-option in the work of the sectional committee. In this regard, communications were sent to all the below organizations for the nomination of members to the committee. Reply against the same are awaited.

S. No.	Organization	Reply
1.	Harbour Engineering Department, Kerala	Reply is awaited

2	Water and power consultancy services limited (WAPCOS), New Delhi	
3	Chilika Development Authority Bhubaneswar	
4	Water Resources Department, Goa	
5	Andaman Lakshadweep Harbour Works	

The Committee may NOTE & DECIDE.

ITEM 3 SCOPE OF THE COMMITTEE

3.1 As decided in the 3rd TC meeting, a Google Excel sheet has been circulated to all the members to seek their areas of interest within the scope of the committee. The committee also requests those who have not yet submitted their areas of interest to kindly provide their views. This will be helpful for ensuring a holistic representation of experts across relevant areas.

https://docs.google.com/spreadsheets/d/1ksVH9AP3KdgV9FscMPao4_TXi9LWfclp/edit?usp=sharing&oid=114986567230987457708&rtpof=true&sd=true

The Committee may NOTE.

ITEM 4 DRAFT DOCUMENTS FOR WIDE CIRCULATION

4.1 Doc. No. WRD 28(24783) P, GLOSSARY OF TERMS RELATED TO COASTAL ENGINEERING

In the last meeting, the Committee agreed on the comments received from Dr. S. V. Vijaya Kumar, NIH and requested Prof Manasa Ranjan to incorporate the agreed comments suitably in the draft document. The Committee decided to circulate the document as received in wide circulation requesting further comments. The document has been received from Prof Manas and drafted as per procedures followed in BIS. The received document has been discussed in BIS and it was suggested that the document be divided into parts to facilitate easier review, given its comprehensive nature.

The Committee may NOTE and DECIDE.

ITEM 5 SUBJECTS UNDER CONSIDERATION

5.1 Coastal Erosion Protection Using Gabions — Guidelines

5.1.1 In the previous meeting, the Committee asked the member secretary to circulate the draft document submitted by Smt. Minimol Korulla on metal gabions to all members and requested them to provide their feedback within 10 days. In response, Dr. Sundar reviewed the draft and raised some queries that needed to be addressed in the draft. Maccaferri has provided responses to Dr. Sundar's queries, and the draft document is attached with the agenda for the Committee's review.

5.1.2 The Committee also requested Garware Technical Fibers Ltd to take the lead in providing inputs on polymer rope gabions within one month, which could be discussed at the working group level. The Committee further requested the working group to finalize the document within two months and circulate it among the members as a P-draft. Reminders for inputs were sent vide BIS emails on 17 May 2024, 12 June 2024, and 26 July 2024. It has been informed that the document is still under preparation and has not yet been submitted.

The Composition of experts allotted in the working group WG-1 is as follows

S.No.	Experts allotted in the working group WG-1
1	Prof. V. Sundar , In Personal Capacity (Convenor)
2	Smt. Minimol Korulla, Maccaferri Environmental Solutions Pvt. Limited.
3	Shri S. A. Sannasiraj, IIT Madras, Chennai
4	Representative from Kerala State Coastal Area Development.
5	Shri P. Vipin Babu, Puducherry Coastal Zone Management Authority.
6	Ms Lopamudra Dutta Choudhary, Senior Manager, Garware Technical Fibres Ltd.
7	Shri Chemudupati Nanda Kishore, Director Smt. Kiran Kumar.R, Manager –Technical & Marketing (Alternate) Tencate Geosynthetics India Pvt Ltd.Telangana.
8	Shri Sanjay Kumar M. Yadav, Sardar Vallabhbhai National Institute of Technology Surat.

The Committee may NOTE and DECIDE.

5.2 Prevention of Sea Water Intrusion in Coastal Aquifers — Guidelines

In the last meeting, the Committee requested the members of the working group to collate the inputs of all the members and finalize the document within 2 months which may be circulated among committee members as P-draft circulation. In this regard, reminders

were sent requesting for inputs vide BIS email dated 12 June 2024 & 26 July 2024. Inputs are awaited from the working group.

The Composition of experts allocated to working group WG-2 is as follows:

S.No.	Experts allotted in the working group WG-2
1	Dr. D. Gnana sundar, Central Ground water Board, Faridabad (Convenor)
2	Prof Indumathi M. Nambi, IIT Madras
3	Prof T. I. Eldho, IIT Bombay
4	Prof. Pratap K Mohanty, Berhampur University
5	Shri R P S Verma, Central water Commission.
6	Dr. Y. R. Satyaji Rao, National Institute of Hydrology
7	Prof. Elango L, IIT Madras
8	Prof. Venkatraman Srinivasan IIT Madras

The Committee may NOTE and DECIDE.

5.3 Mitigation Measures Against Coastal Hazards — Guidelines

In the last meeting, Prof Manasa Ranjan informed the committee that he would collate the inputs of the committee members and submit the first draft by 30th April 2024 for 14 days of circulation among working group members for comments. In this regard, reminders were sent requesting inputs vide BIS email dated 12 June 2024 & 26 July 2024. Inputs are still awaited. Further, it is to be informed that the R&D project has been awarded to Dr Samayveer Singh, NIT Jalandhar on TOR prepared by Committee titled 'Study of Mitigation Strategies for Coastal Hazards Specific to Indian Coastlines'. *The relevant Sectional Committees of BIS will monitor the progress of project to ensure that the project is progressing as per the planned arrangement (as per item 11.1 of the revised R&D guidelines attached with the agenda).*

The composition of experts allocated to working group WG-3 is as follows:

S.No.	Experts allotted in the working group WG-3
1	Prof. V. Sundar , In Personal Capacity (Convenor)
2	Prof. Manasa Ranjan Behera, IIT Bombay
3	Dr. S.V. Vijaya kumar, National institute of hydrology, Roorkee
4	Smt. Minimol Korulla, Maccaferi Environmental Solutions Pvt. Limited

5	Prof. Pratap K Mohanty, Behrampur University
6	Shri S. A. Sannasi Raj, IIT Madras
7	Dr. Loveson Edward L, Central Marine fisheries Research Institute Kochi.
8	Mr. Satyakiran Raju Alluri, National Centre for Coastal Research (NCCR)

The Committee may NOTE and DECIDE.

5.4 ACTIONS FROM WAVES AND CURRENTS ON COASTAL STRUCTURES

In the last meeting, Prof Manasa Ranjan agreed to review the ISO document (ISO 21650:2007 'Actions from waves and currents on coastal structures' attached with the agenda) and submit his inputs within 2 months of time. The Committee requested the working group (WRD28/WG-4) to finalize the draft document as received from Prof Manasa Ranjan within one month of time which may be deliberated in the next meeting. In this regard, reminders were sent requesting for the draft document vide BIS email dated 17 May 2024 & 12 June 2024. The draft document is still awaited.

The composition of experts allocated to working group WG-4 is as follows:

S.No.	Experts allotted in the working group WG-4
1	Prof. V. Sundar, In Personal Capacity (Convenor)
2	Prof. Manasa Ranjan Behera, IIT Bombay.
3	Mr. Satyakiran Raju Alluri, National Centre for Coastal Research (NCCR)
4	Dr. S.V. Vijaya Kumar, National institute of hydrology, Roorkee.
5	Prof. Pratap K Mohanty, Berhampur University.

The Committee may NOTE and DECIDE.

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

BIS has realized the indispensable role of research and development (R&D) projects in the standardization process. Hence, BIS has started a scheme of awarding R&D projects for standards formulation. The revised guidelines for the same have been circulated with the agenda.

The Committee may NOTE & DECIDE.

Item 7 ANY OTHER BUSINESS

7.1. Date and venue for the next meeting.

The Committee may DECIDE.

ANNEX 1
(Item 2.1)

COMPOSITION OF COASTAL ZONE WATER MANAGEMENT SECTIONAL COMMITTEE WRD 28

Scope: "Standardization in the field of planning, design, construction and management of coastal zone water resources including coastal pollution, coastal erosion, desalination, intake and outfalls, salt water intrusions, remote sensing, estuary hydraulics, back water, islands, coastal hazards, coastal structures, coastal aquifers, and submarine groundwater discharge".

Last 3 meetings		2nd Meeting – 28 Dec 2022	3rd Meeting – 28 July 2023	4th Meeting – 13 March 2024		
SI No	NAME OF THE ORGANIZATION	REPRESENTED BY	MEETINGS ATTENDED			
			2nd	3rd	4th	
1)	In Personal Capacity	Dr. V. Sundar (Chairperson)	Y	Y	Y	
2)	Berhampur University, Odisha	Prof. Pratap Kumar Mohanty, HOD (Marine Sciences)	Y	Y	X	
3)	Central Ground Water Board, Faridabad	Dr. D. Gnana Sundar Dr. M. Senthil Kumar (<i>Alternate</i>)	X	Y	X	
4)	Central Pollution Control Board, New Delhi	Shri P. K. Mishra, Scientist E And Divisional Head, Water Quality Management	Y	Y	X	
5)	Central Water & Power Research Station, Pune	Dr. Prabhat Chandra, Scientist E Shri B. R. Tayade Scientist D (<i>Alternate</i>) Mr. V. K. Shukla, Scientist C (<i>Alternate</i>)	Y	X	Y	
6)	Central Water Commission, New Delhi	Shri. Deepak Kumar , Director CM Dte Shri Mr. V D Roy, Director Morphology & Climate Change (<i>Alternate</i>)	Y	Y	Y	

7)	Forest, Ecology and Environment Department (Ecology and Environment), Government of Karnataka	Sri. Gokul R, Commissioner, Technical Cell	X	Y	Y
8)	Goa State Pollution Control Board, Panaji	Dr. Mohan R. Girap , Scientist-C	X	Y	X
9)	Gujarat Coastal Zone Management Authority	Shri Nischal Joshi, Director Environment (GCZMA)	X	X	X
10)	ICAR- Central Marine Fisheries Research Institute, Kochi	Dr. Loveson Edward L, Scientist	Y	Y	X
11)	Indian Institute Of Technology Bombay	Prof. Eldho T.I., Professor (HAG) Prof. Manasa Ranjan Behera	Y	Y	Y
12)	Indian Institute Of Technology Madras, Chennai	Prof. S. A. Sannasiraj Prof. Indumathi M. Nambi	X	X	X
13)	Indian Institute Of Technology Roorkee, Roorkee	Dr. R. Vinnarasi, Assistant Professor Prof. Alok Bhardwaj, Assistant Professor (Alternate)	X	Y	Y
14)	Indian National Centre For Ocean Information Services (INCOIS) Hyderabad	Dr. T M Bala Krishnan Nair, Scientist G Group Director (OSAR)	X	X	X
15)	Kerala State Coastal Area Development Corporation Limited, Trivandrum	Shri P.I. Sheik Pareeth IAS, Managing Director Shri Balakrishnan TV, Chief Engineer (Alternate) Smt. Chithra Unnikrishnan, Assistant Executive Engineer (Alternate)	-	-	Y
16)	Maccaferi Environmental Solutions Pvt. Limited	Smt. Minimol Korulla, Head - Strategic Projects And Initiatives - ISEAP Shri Rajarshi Chakravorty, Senior Manager	Y	Y	Y
17)	National Centre For Coastal Research, Chennai	Dr. Tune Usha, Scientist -G Dr. Satyakiran Raju Alluri, Scientist -D (Alternate)	Y	Y	X

18)	National Institute Of Hydrology, Roorkee	Dr. Y.R. Satyaji Rao, Scientist G And Head Dr. S.V. Vijaya Kumar, Scientist G (Alternate)	Y	Y	Y
19)	Odisha Coastal Zone Management Authority	Dr. Krushna Chandra Pal, Senior Scientist (Ecology & Environment) Ms. Sasmita Das, Junior Scientist (Alternate)	Y	Y	X
20)	Puducherry Coastal Zone Management Authority	Shri P. Vipin Babu, Scientist	-	-	Y
21)	Sardar Vallabhbhai National Institute Of Technology, Surat	Shri Sanjay Kumar M. Yadav, Professor, Civil Engineering	X	Y	X
22)	Tamil Nadu Coastal Zone Management Authority	Shri Deepak Bilgi, Member Secretary Shri Sowmya L, Deputy Director	Y	X	X
23)	West Bengal Pollution Control Board, Kolkata	Shri Debanjan Gupta, Senior Scientist	X	X	X
24)	Water Resources Department, Tamil Nadu Chennai	Chief Engineer, WRD, Design, Research And Construction Support. Executive Engineer, Anti Sea Erosion Division (Alternate). Assistant Executive Engineer, Anti Sea Erosion Sub Division.	X	Y	Y