

WATER RESOURCES DEPARTMENT (BIS)**MINUTES**

Coastal Zone Water Management Sectional Committee, WRD 28		5th Meeting
Day and Date	Time	Venue
30 September 2024, Monday	11:00 AM	Hybrid Meeting (Physical + Virtual) BIS HQ, New Delhi Contact details : wrd@bis.gov.in
Chairperson: Prof. V. Sundar, (Advisory Consultant, Dept. of Ocean Engg, IIT Madras) In Personal Capacity		Member Secretary: Mr. Navdeep Yadav, Assistant Director, BIS

PARTICIPANTS:

Sl. No.	Name & Organization	Emails
1.	Shri Vikas Kumar Shukla, Scientist -C, CWPRS	shuklavk@cwprs.gov.in
2.	Shri B. R. Tayade, Scientist D, CWPRS	tayade.br@cwprs.gov.in
3.	Prof Manasa Ranjan Behera, Associate Professor, Indian Institute of Technology Bombay	manasa.rb@gmail.com
4.	Smt. Minimol Korulla, Head - Strategic Projects & Initiatives – ISEAP, Maccaferri Environmental Solutions Pvt. Ltd.	m.korulla@maccaferri.com
5.	Shri Saket, Maccaferri Environmental Solutions Pvt. Ltd.	s.sharan@maccaferri.com
6.	Shri Kiran Raju, NCCR	rajusk@nccr.gov.in
7.	Shri Y.R. Satyaji Rao, Scientist G & Head (EHD), NIH	yrsrao.nihr@gov.in
8.	Dr. S.V. Vijaya kumar, Scientist G & Head, NIH	vijayakumar.nihr@gov.in

9.	Shri Sujeet Kumar Bari, Odisha Forest Department, Bhubaneswar	oczma1@gmail.com
10.	Loveson L. Edward, Scientist, ICAR - Central Marine Fisheries Research Institute	loveson_edward@yahoo.co.in
11.	Smt. Vijaya Laxmi, AEE (on behalf of Chief Engineer, WRD TN)	cedrcsoffice@gmail.com
12.	Assistant Executive Engineer, WRD TN	saicharanraju3366@gmail.com
13.	Shri Arulson Bright, Executive Engineer, WRD TN	arulsonbright@gmail.com
14.	Thayala Kumar, Chief Engineer, Trichy Region, WRD TN	thayalakumarce2024@gmail.com
15.	Shri Vipin Babu, Puducherry Coastal Zone Management Authority	scippcc@gmail.com
16.	Dr. R. Vinnarasi, Assistant Professor, IITR, Roorkee	vinnarasi@ce.iitr.ac.in
17.	Shri S. A. Sannasiraj, Professor, Indian Institute of Technology Madras, Department of Ocean Engineering, Chennai	sasraj@iitm.ac.in
18.	Prof. Sanjay Kumar M. Yadav, Professor Dept. of Civil Engineering, SVNIT, Surat	smy@ced.svnit.ac.in

ITEM 0 WELCOME AND INTRODUCTORY REMARKS

The Chairperson extended his warm welcome to all the members to the 5th meeting of the WRD 28 Sectional Committee and requested all the members for their active contribution and regular participation in the meeting so that effective deliberation can be done.

ITEM 1 CONFIRMATION OF THE MINUTES OF THE PREVIOUS MEETING

The Committee NOTED that no comments had been received on the circulated minutes of 4th meeting of the Committee. The Committee therefore CONFIRMED the minutes of the previous meeting as circulated.

ITEM 2 COMPOSITION OF THE SECTIONAL COMMITTEE

2.1 The Committee NOTED the present Composition of the Committee as given in Annex 1 of the agenda.

2.2 The Committee NOTED item 2.2 of the agenda and decided to pursue the following organizations once again and contact the higher authorities of the organizations for nomination of experts in the Sectional Committee.

Sl. No.	Organization
1.	Harbour Engineering Department, Kerala
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

ITEM 3 SCOPE OF THE COMMITTEE

3.1 The Committee NOTED item 3.1 of the agenda and requested once again all the members to fill up the google sheet (as given below) of seeking their areas of interest within the scope of the committee.

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

ITEM 4 DRAFT DOCUMENTS FOR WIDE CIRCULATION

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

The Committee NOTED the document placed before the committee by the Member Secretary and acknowledged Prof. Manas Behera and Mr. Satyakiran Raju for preparation of the document. It was decided to compile the document into a single volume for wide circulation, ensuring that all terms related to Coastal Engineering are easily accessible to stakeholders in one comprehensive reference.

ITEM 5 SUBJECTS UNDER CONSIDERATION

5.1 Coastal Erosion Protection Using Gabions — Guidelines

5.1.1 The Committee reviewed item 5.1 of the agenda and discussed the feedback provided by Prof. Sundar on the draft prepared by Maccaferri. Shri Saket of Maccaferri delivered a comprehensive presentation on the responses and the implementation of suggestions of Prof. Sundar. It was agreed upon by Maccaferri that they would incorporate all their responses into the draft and forward it to the Member Secretary before 11 Oct 2024. It is also noticed that all the working group experts were contacted for their respective inputs while preparing the said document.

5.1.2 The Committee approved the draft and decided to waive the P-draft stage, opting to place the document into wide circulation for feedback from stakeholders across the country. The Member Secretary was authorized to facilitate to draft the document for wide circulation in line with BIS guidelines. Additionally, Maccaferri agreed to provide the email addresses of relevant manufacturers to solicit further comments. The Committee endorsed approach of Maccaferri.

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

SI. 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.	Prof. 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.

5.2 Prevention of Sea Water Intrusion in Coastal Aquifers — Guidelines

The Committee NOTED item 5.2 of the agenda and requested that the Working Group convene for the next meeting as soon as possible and update on the timeline for concluding the document so that the draft can be circulated among the Committee members as a P-Draft document for taking members' comments.

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

SI. 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. Satyajji Rao, National Institute of Hydrology
7.	Prof. Elango L, IIT Madras
8.	Prof. Venkatraman Srinivasan IIT Madras

5.3 Mitigation Measures Against Coastal Hazards — Guidelines

The Committee noted item 5.3 of the agenda, acknowledging that the R&D project titled "Study of Mitigation Strategies for Coastal Hazards Specific to Indian Coastlines" has been awarded to Dr. Samayveer Singh, NIT Jalandhar. The Committee also took note of the revised R&D guidelines for monitoring project progress. Additionally, WG-3 was requested to review all reports critically.

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

Sl. 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, Maccaferri Environmental Solutions Pvt. Limited
5.	Prof. Pratap K Mohanty, Berhampur University
6.	Shri S. A. Sannasiraj, IIT Madras
7.	Dr. Loveson Edward L, Central Marine Fisheries Research Institute Kochi.
8.	Mr. Satyakiran Raju Alluri, National Centre for Coastal Research (NCCR)

5.4 ACTIONS FROM WAVES AND CURRENTS ON COASTAL STRUCTURES

The Committee NOTED item 5.4 of the agenda and deliberated on the status of the draft document. Prof. Manasa Ranjan informed the Committee that he is reviewing the document and will submit his inputs to BIS before the end of October 2024. Following that, the Committee requested the working group (WRD28/WG-4) to finalize the draft document as received, which may be deliberated in the next meeting.

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

Sl. 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.

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

The Committee deliberated and requested the members to review the program of work of the Committee and the projects taken up in agenda items and explore the areas where R&D projects can be taken up in this Sectional Committee. The Committee also requested the members to refer to R&D guidelines for additional information.

Item 7 ANY OTHER BUSINESS

7.1. Date and venue for the next meeting.

The Committee NOTED item 7.1 of the agenda and decided to plan the next meeting in the last week of December 2024.