

Workshop on Solutions in Hydraulic & Barrier Systems using Geosynthetics

– 11th & 12th November 2025, (Tuesday & Wednesday)

Venue : IIT Bhubaneswar



Organised by



IIT Bhubaneswar



IGS Bhubaneswar Chapter

ANNOUNCEMENT

IIT Bhubaneswar, Indian Chapter of the International Geosynthetics Society (IGS India) and Indian Geotechnical Society, Bhubaneswar Chapter is pleased to announce a two-day Workshop on the theme “Solutions in Hydraulic and Barrier Systems using Geosynthetics”, scheduled to be held on 11th & 12th November 2025 at IIT Bhubaneswar, Odisha.

This workshop comes at a critical time when India, particularly the eastern region including Odisha, is addressing pressing challenges such as coastal erosion, saline intrusion, and environmentally responsible mining. With Odisha's extensive mineral resources and vulnerable coastline, the region is uniquely positioned to benefit from advanced geosynthetic solutions in mining, hydraulic barriers, and climate-resilient infrastructure.

Through expert lectures, real-world case studies, and interactive sessions, the workshop aims to bring together professionals from industry, government, and academia to deliberate on cutting-edge applications of geosynthetics, share regional and international experiences, and promote sustainable engineering practices.

DATES & VENUE

The date for the event is 11th & 12th November 2025, at IIT Bhubaneswar

TOPICS FOR DELIBERATION (INDICATIVE BUT NOT LIMITED TO)

Theme: Geosynthetic Solutions for Safe and Sustainable Mining Practices

- Geosynthetic barrier systems in mine tailings containment and rehabilitation
- Durability and performance of geomembranes and clay liners in chemically aggressive mining environments
- Slope stabilization and erosion control in open-cast mines
- Seepage control and groundwater protection in ash ponds and mine dumps
- Failure investigations and performance assessments of geosynthetic systems in mining
- Regional case studies: Mining waste management and site rehabilitation in Odisha and eastern India
- Sustainable design practices and environmental compliance in mining
- Regulatory frameworks and geosynthetics in mine closure and reclamation
- Role of geosynthetics in legacy mine restoration

Theme: Geosynthetics for Coastal Protection, Flood Control & Climate Resilience

- Coastal erosion control using geotextile tubes, marine mattresses, and sand-filled containers
- Riverbank and shoreline stabilization using geosynthetics
- Flood protection systems: Embankment strengthening and floodwalls with geosynthetics
- Hydraulic performance and long-term durability of geomembranes
- Geosynthetics in salinity control, mangrove restoration, and wetland preservation
- Climate-resilient and nature-based solutions using geosynthetics
- Environmental impact assessment (EIA) in hydraulic barrier projects
- Case studies from Odisha's coastline and riverine areas
- National and state-level regulatory frameworks for hydraulic works

EXPERT FACULTY

A distinguished panel of national and international experts will deliver technical lectures and lead discussions. The faculty includes:

- Senior professors from IIT and NIT
- Experts from government agencies, PSUs, and regulatory bodies
- Practitioners with extensive experience in mining, water resources, and coastal protection projects
- Internationally renowned specialists in geosynthetics design, testing, and application

CALL FOR PAPERS

Paper on the topics proposed and allied topics are invited. Intending authors may send the full text of their paper, as per the guidelines given below. The last date for the receipt of the paper is **27th October 2025**.

The papers will be reviewed by the Technical Committee to assess its suitability for presentations. The paper accepted for presentation will be notified by **5th November 2025**. A condition of acceptance of the case studies will be that the author, or one of the authors in case of multiple authors, will attend the Workshop and make the presentation.

The paper shall contain:

- A descriptive, but brief title • title, name(s) and affiliation of the author(s)

- Address for correspondence (including fax numbers and e-mail addresses)
- Detailed information about the objective, methods, results and conclusion, to enable a correct appraisal of the suitability of the proposed paper for the Conference.
- References at the end, with due reference in the text

The full text of the papers, not exceeding 08 pages of A4 size, in single space and 10 Point Normal Times Roman Font, both in MS Word and PDF, need to be sent through e-mail only at **contact@geosyntheticsindia.org**

WHO SHOULD ATTEND

- Mining engineers and consultants involved in tailings management, waste disposal, and mine closure
- Coastal and hydraulic engineers engaged in shoreline protection, river training, and flood control
- Environmental engineers, geotechnical engineers, and infrastructure planners
- Academicians, researchers, and postgraduate students in civil, geotechnical, and environmental engineering
- Government and PSU officials from water resources, coastal development, and mining departments
- Regulatory authorities and environmental impact evaluators
- Geosynthetics manufacturers, suppliers, and applicators

KEY TAKEAWAYS

- In-depth exposure to state-of-the-art geosynthetic technologies for mining and hydraulic applications
- Practical insights through case studies from India and abroad, with regional focus on Odisha
- Enhanced understanding of performance, failure mechanisms, and design improvements
- Awareness of regulatory frameworks and environmental compliance
- Networking opportunities with experts from academia, industry, and government sectors
- Platform for knowledge exchange between practitioners and researchers

REGISTRATION FEE

Members of CBIP / IGS	INR 6,000/-
Others	INR 7,000/-
Academic / Research Institutes	INR 5,000/-
Students	INR 4,000/-

GST and bank charges will be extra.

- The Invited Speakers for Keynote Address will be exempted from Payment of Registration Fee.

The registration fee includes a registration kit, working lunch, tea/coffee during the event only. The participants will have to make their own arrangements for boarding and lodging, transport etc. Limited accommodation is available at IIT Bhubaneswar guest house on a first come first serve basis. Registration fee once paid will not be refunded.

Spot registration facility will also be available provided prior Information is received.

OPPORTUNITIES FOR SPONSORSHIP

Exhibition pavilions are available at the following rate:

Platinum Sponsor : Rs. 3,00,000/-*	Gold Sponsor : Rs. 2,00,000/- *	Silver sponsor : Rs. 1,00,000/-*
<ul style="list-style-type: none"> • 10 delegate passes for participation in the conference • Company logo on main banner • Circulation of Company Literature • Announcement - Thanking sponsor • Speaking Opportunity • Table Space to display • Invitation to the key person of the organisation as special invitee. • Complimentary Advertisement in the Key Journal Published immediately after the event covering report of the event. • One year complementary Institutional membership of IGS to Platinum sponsor besides other privileges 	<ul style="list-style-type: none"> • 05 delegate passes for participation in the conference • Company logo on main banner • Circulation of Company Literature • Announcement -Thanking sponsor • Speaking Opportunity • Table Space to display • Invitation to the key person of the organisation as special invitee. • Complimentary Advertisement in the Key Journal Published immediately after the event covering report of the event 	<ul style="list-style-type: none"> • 03 delegate passes for participation • Company logo on main Banner • Announcement - Thanking sponsor • Circulation of Company Literature

*GST 18% extra.

EXHIBITION FEE

The tariff for the exhibition stall of 6 ft x 6 ft size is as under:

Exhibitors	Facilities
Rs. 50,000/- + GST 18%	Chair 2; Table 1; 5, 15 Amp. Socket 1; Waste Basket 1;

One free nomination will be allowed to the exhibitor for participation in the conference. For additional nominations, registration fee shall be payable.

PAYMENTS

The payment related to the event is to be remitted either through cheque in favour of CEP, IIT Bhubaneswar or through bank transfer to the following account:

All payments shall be made by Bank draft/cheque payable. The payments can also be arranged by bank transfer as per details given below:

- Account Name CEP, IIT BHUBANESWAR
- Account Number 24282010001960
- Bank Name CANARA BANK
- IFSC Code CNRB0017282
- MICR Number 752015014
- Branch name and address IIT Bhubaneswar, Argul branch, Jatni, Khorda- 752 050

Bank charges if any, should be borne by the participants and should not be deducted from the amount remitted. Any query related to invoice / payment should be address to representatives of IIT Bhubaneswar

OFFICIAL LANGUAGE

The official language for the event is English.

REGISTRATION FORM

(To be filled in block letters preferably typed)

1. Name _____
(First Name) (Middle Name) (Surname)

2. Position _____

3. Organization _____
Address _____

5. City _____ PIN _____

6. Mobile No. _____ 7. E-mail ID _____

8. Bank Draft No./ Online Bank Transaction ID _____ dated _____
_____ for Rs. _____ is enclosed.

9. I intend to participate in the deliberations.

Place: _____
Date : _____ (Signature)

All correspondence relating to the event should be addressed to the following:

1. IIT BHUBANESWAR

Dr. Sumanta Haldar, Professor (Civil Engineering) M : 91 955 6196495 E-mail : sumanta@iitbbs.ac.in

Dr. Shantanu Patra, Associate Professor (Civil Engineering) M : 9658650575 E-mail: shantanupatra@iitbbs.ac.in

2. IGS-INDIA, SECRETARIAT

Shri A.K. Dinkar, Secretary, CBIP, and Member Secretary, IGS - Email : secretary@cbip.org

Shri K.K. Singh, Director (WR), CBIP and Treasurer, IGS - E-mail: kksingh@cbip.org

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Phone: 91-11-26115984 / 26116567; Website: www.geosyntheticsindia.org

Contact Person: IGS-India

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