

Workshop on
Carbon footprint and sustainability
evaluation for transportation
infrastructure using Geosynthetics



Venue: CRRI Delhi

Date: 1st & 2nd December 2025

Organized By

In Association with



Indian Chapter of International
Geosynthetics Society



Central Road Research Institute



Central Board of Irrigation and
Power

OVERVIEW

The Workshop on Carbon Footprint and Sustainability Evaluation for Transportation Infrastructure using geosynthetics serves as an important forum for professionals, researchers, and practitioners in the field of civil engineering to explore innovative methods and tools for assessing environmental performance in infrastructure projects. The workshop will focus on the use of geosynthetic materials to enhance sustainability, with special emphasis on carbon footprint evaluation, life-cycle assessment, and the application of carbon footprint calculators for quantifying and mitigating greenhouse gas emissions in transportation infrastructure.

The Workshop is being organized by the Indian Chapter of the International Geosynthetics Society in association with the Central Road Research Institute and Central Board of Irrigation and Power.

ABOUT THE INTERNATIONAL GEOSYNTHETICS SOCIETY (INDIA)

In the year 1985, Central Board of Irrigation and Power, (CBIP) as part of its technology forecasting activities identified geosynthetics as an important area relevant to India's need for infrastructure development, including roads. After approval of IGS Council for the formation of Indian Chapter in October 1988, the Indian Chapter of IGS was got registered under Societies Registration Act 1860 of India in June 1992 as the Committee for International Geotextile Society (India), with its Secretariat at Central Board of Irrigation and Power. The Chapter has since been renamed as International Geosynthetics Society (India), in view of the parent body having changed its name from International Geotextiles Society to International Geosynthetics Society.

The main objectives and purposes of the Society are:

- To collect and disseminate knowledge on all matters relevant to geotextiles, geomembranes and related products, e.g. by promoting seminars, conferences etc.;
- To promote advancement of the state-of-the-art of geotextiles, geomembranes and related products and of their applications, e.g. by encouraging, through its members, the harmonization of test methods, equipment and criteria; and
- To improve communication and understanding regarding such products, e.g. between designers, manufacturers and users and especially between the textile and civil engineering communities.

KEY THEMES

The workshop covers the following themes:

- (i) Evaluation of carbon footprint in roadway construction
- (ii) Application of geosynthetics for reducing greenhouse gas emissions
- (iii) Use of carbon footprint calculators and life-cycle assessment tools
- (iv) Optimization of material use and resource efficiency through geosynthetics.

WORKSHOP FORMAT:

The workshop will feature keynote presentations, technical sessions, panel discussions, and interactive sessions, providing ample opportunities for knowledge sharing, networking, and collaboration among participants.

WHO SHOULD ATTEND?

- Researchers and Academics
- Engineers and Practitioners
- Industry Professionals
- Government Officials and Policymakers
- Students and Young Professionals

CALL FOR PAPERS

The experts, researchers, engineers, and industry professionals are invited to contribute papers/ presentations on the topics and share their knowledge, experiences, and groundbreaking research to enrich the discourse and drive advancements in this field.

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

DATES AND VENUE

The Workshop will be held during 1st & 2nd Dec 2025, Auditorium of CRRRI Delhi.

OFFICIAL LANGUAGE

The official language for the event is English.

REGISTRATION FEE*

Members of CBIP / IGS / ISRM	INR 5,000/-
Others	INR 6,000/-
Academic / Research Institutes	INR 4,000/-
Students	INR 2,000/-

*GST 18% extra

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. Registration fee once paid will not be refunded.

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

PAYMENTS

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

All payments shall be made by Bank draft/cheque payable at par at New Delhi in favour of the "The Comm for the IGS". The payments can also be arranged by bank transfer as per details given below:

- Bank : Canara Bank
- Branch Name and Address : Delhi Diplomatic Enclave, 7/48, Malcha Marg, Chanakyapuri, New Delhi 21
- Account No. 0157101031508 • MICR Code No. 110015007
- Account Holder Name: THE COMM FOR THE IGS
- IFSC Code: CNRB0000157 • Swift Code: CNRBINBBDFS



Bank charges if any, must be borne by the participants and should not be deducted from the amount remitted.

OPPORTUNITIES FOR SPONSORSHIP*

Exhibition pavilions are available at the following rate:

Category	Amount	Benefits
Sponsor	INR 2,00,000.00	<ul style="list-style-type: none">• Complimentary registration of up to five representatives• Distribution of promotion literature among the participants through the registration kit• Table top display of products/services• Company name and logo on Information Bulletin, banners, etc.
Co-Sponsor	INR 1,00,000.00	<ul style="list-style-type: none">• Complimentary registration of up to three representatives• Distribution of promotion literature among the participants through the registration kit• Company name and logo on Information Bulletin, banners, etc.
Supporter	INR 50,000.00	<ul style="list-style-type: none">• Complimentary registration of up to two representatives• Company name and logo on Information Bulletin, banners, etc.

*GST 18% extra

SECRETARIAT

All correspondence relating to the event should be addressed to:

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

C/o CBIP, Plot No. 4, Institutional Area, Malcha Marg, Chanakyapuri, New Delhi-110 021

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

Contact Person:

Dr. Parvathi G. S., Principal Scientist, CSIR-CRRI, E-mail: parvathi.crri@csir.res.in

Shri Vishan Dutt, Adviser, CBIP, M: 9811431554, E-mail: vishandutt@cbip.org

Ms. Meenakshi, CBIP Secretariat, M: 9958859946, E-mail: meenakshi@cbip.org

E-mail : contact@geosyntheticsindia.org

Conference on
Carbon footprint and Sustainability
Evaluation for Transportation Infrastructure
using Geosynthetics

1st - 2nd December 2025, CRRI, New Delhi (Monday & Tuesday)

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. _____ E-mail ID _____

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

8. I intend to participate in the deliberations of the Conference.

Place: _____
Date : _____ (Signature)

SECRETARIAT

CBIP, Plot No. 4, Institutional Area, Malcha Marg, Chanakyapuri, New Delhi-110 021 Phone: 91-11-26115984 / 26116567

ORGANISING COMMITTEE

Dr. G.L. Sivakumar Babu, *President, IGS India Chapter, & Retd. Professor*, Indian Institute of Science Bangalore

Dr. K. Balan, *Vice President, IGS India Chapter, Vice Principal*, Rajadhani Institute of Engineering and Technology

Ms. Dola Roychowdhury, *Vice President, IGS India Chapter, & Founder Director*, Gcube Consulting Engineers LLP

Shri Vivek Kapadia, *Immediate Past President*, Former Secretary to Government of Gujarat and Former Director, SSNNL

MEMBERS

Dr. A. Murali Krishna, *Professor*, Indian Institute of Technology Tirupati

Dr. Anil Dixit, *MD*, Landmark Material Testing and Research Lab.

Mr. Anant Kanoi, *MD*/ **Mr. Saurabh Vyas**, *Head* - Technical services Techfab (India) Industries Ltd.

Mr. Ashish Gharpure, *MD & Founder*, Genstru Consultants Pvt Ltd

Mr. Atanu Adhikari, *Vice President*, Reinforced Earth India Pvt. Ltd.

Prof. B Umashankar, *Professor*, Indian Institute of Technology Hyderabad
Mr. C.R. Devaraj, Managing Director, Charankattu Coir Mfg. Co. (P) Ltd.

Mr. Himanshu Kotak, C-Phi Consult Pvt. Ltd

Dr. J.T. Shahu, *Professor*, Indian Institute of Technology Delhi

Dr. Madhavi Latha G, *Professor*, Indian Institute of Science Bangalore

Mr. Mahadeb Datta, *Dy. Director (Technical)*, National Jute Board

Dr. Parvathi G. S., *Principal Scientist*, CSIR - Central Road Research Institute

Mr. Narendra Dalmia, *CEO* / **Ms. Shabana Khan**, Strata Geosystems (India) Pvt. Ltd.

Mr. Naval Kishor Ray, Garware Technical Fibres Ltd.

Mr. Vikramjiet Roy, *Managing Director*/ **Dr. Ratnakar Mahajan**, Maccaferri Environmental Solutions Pvt. Ltd.

Member Secretary : **Mr. A.K. Dinkar**, Secretary, CBIP

Treasurer : **Mr. K.K. Singh**, Director (WR), CBIP