

Workshop on
Geosynthetics for Infrastructure Development

19-20 April 2023, New Delhi



Organised by



Indian Chapter of International
Geosynthetics Society

in association with



Central Board of
Irrigation & Power

sponsors



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INTRODUCTION

Geosynthetics are one of the most important materials in infrastructure construction today. This covers everything from natural fibres to polymer geomembranes. Internationally these materials play a major role in soil stabilisation, landfill construction and landslide prevention, rock protection and soil erosion.

Today the use of geosynthetics is increasingly being accepted as construction material in different fields of civil engineering not only in developed countries but also in the developing countries like ours. Geosynthetics are now being increasingly used the world over for every conceivable application in civil engineering, namely, construction of dam, embankments, canals, approach roads, runways, railway embankments, retaining walls, slope protection works, drainage works, river training works, seepage control, etc. due to their inherent qualities. Its use in India though is picking up, is not anywhere close to recognitions. This is due to limited awareness of the utilities of this material and development taking place in its use.

India is a fast developing economy requiring large scale infrastructures. Liberalisation of economy has further facilitated planning and execution of many large scale infrastructures in the field of roads, railways, power, water resources, land filling and other areas, which will further promote applications of Geosynthetics for civil engineering works. There is a need to enhance the awareness of this useful and versatile material amongst the various user agencies, engaged in infrastructure development.

Indian Chapter of IGS, with its Secretariat at Central Board of Irrigation & Power (CBIP), had the honour of hosting the Two Days' Workshop on "Geosynthetics for Infrastructure Development: on 19-20 April 2023, CBIP Conference Hall, Malcha Marg, Chanakyapuri, New Delhi.

ABOUT THE IGS

The International Geosynthetics Society (India), registered under Societies Registration Act 1860, in June 1992, acts as Indian Chapter of International Geosynthetics Society (IGS), which was founded in Paris, on 10 November 1983. The IGS is a non-profit organization dedicated to the scientific and engineering development of geosynthetics and associated technologies. The IGS brings together individual and corporate members from all parts of the world, who are involved in the design, manufacture, sale use or testing of geotextiles, geomembranes, related products, and associated technologies, or who teach or conduct research about such products.

Since its inception in 1927, the Central Board of Irrigation & Power (CBIP), which is the Secretariat of the Indian Chapter of International Geosynthetics Society, is engaged in the dissemination of information regarding recent technological advancements in the twin disciplines of water resources and power. Besides, it provides a forum for exchange of experiences, facilitating flow of technology through the organisation of symposia, seminars, workshops, training courses both at national as well international levels, in liaison with international organisations.

THEME

Geosynthetics for Infrastructure Development

Sub-Themes

- Roads and Railways
- Hydraulic Applications
- Ground Improvement
- Reinforced Application
- Coastal and River Bank Erosion
- Environmental Applications
- Underground Structures (Tunnels, Excavations, etc.)
- Natural Fibre Geotextiles
- Geosynthetic Testing
- Case Studies

OFFICIAL LANGUAGE

English will be the official language of the Workshop.

DATES AND VENUE

The workshop will be held in on 19-20 April 2023, CBIP Conference Hall, Malcha Marg, Chanakyapuri, New Delhi.

CALL FOR CASE STUDIES

Case studies on the topics proposed and allied topics are invited. Intending authors may send the full text of their case studies, as per the guidelines given below. The last date for the receipt of full texts of the case studies is 31st March 2023.

The case studies will be reviewed by the Technical Committee as to their suitability for presentations. The case studies accepted for presentation will be notified by 10th April 2023. 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 case study 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 case study for the Workshop
- 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 meenakshi@cbip.org. The papers will be printed by offset process. Therefore, the text of the paper in English must be free from errors. Only original contributions that have not been published or presented at any other forum are acceptable.

Standard and universally accepted abbreviations should be used. When a special abbreviation appears in the text for the first time, it should be accompanied by its extended form.

The figures should be placed nearest to the first reference in the text and should not be larger than the print areas. Tables in the manuscript should be numbered consecutively and referred to in the text by their numbers. A suitable heading should also be provided. References should follow the text to be listed at the end in numerical order with the corresponding number cited in brackets at appropriate places.

At the end of the references, the author(s) must furnish biodata not exceeding 100 words as per sample given below:

“AAAAAA graduated in Civil Engineering from the University of P P P P P P in 1965. He obtained a Ph.D. in Civil Engineering at the University of Q Q Q Q Q Q. From 1969 to 1980 he worked for R R R R R R, specialising in design and construction of gates at hydro plants. In 1980 he joined S S S S S S Company as Hydraulic Design Chief Engineer, where he worked on civil aspects of the following hydro projects: x x x x x, y y y y y y and z z z z z z. From 1988 he has been Professor of Hydraulic Engineering at the University of G G G G G G, where he specialises in analysis of model test procedures for hydraulic gates”.

A similar description should be given for each author.

Certificate

The author(s) certify that the paper titled “_____” and submitted for consideration for the Workshop on “Geosynthetics for Infrastructure Development,” to be held in New Delhi during 19-20 April 2023 is in original and has not been published or presented at any other forum, in the present form. The Author(s) also hereby assigns to the Publisher, The Central Board of Irrigation and Power, Malcha Marg, Chanakyapuri, New Delhi (India), the copyright to the Contribution named above whereby the Publisher shall have the exclusive right to publish the said Contribution in print/electronic form, wholly or in part, in its other technical journals.

Signature(s)

Place Date

REGISTRATION FEE

The registration fee payable, per delegate, including authors of papers, for participation in the Workshop is as follows:

Members of CBIP / IGS	INR 9,000/-
Others	INR 10,000/-
Academic / Research Institutes	INR 6,000/-
Students	INR 5,000/-

To avail the student concession in the registration fee, the registration form/request will have to be submitted along with a certificate from the head of the Department/institute.

In case of 4 or more nominations from an organization, one delegate will be offered complimentary registration.

The registration fee covers the cost of registration kit, lunch and tea in-between the technical sessions. The participants will have to make their own arrangements for travel and stay. No financial support will be provided by the organizers.

The last date for receipt of the registration form is 15 April 2023. **Spot registration facilities will also be available, provided the prior information is received.**

SPONSORSHIP OPPORTUNITY

The Workshop provides an effective opportunity for organisations/companies to sponsor/support the Workshop under following categories:

Category	Amount	Benefits
Sponsor	INR 2,00,000.00	<ul style="list-style-type: none">• Complimentary registration of upto 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 upto 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 upto two representatives• Company name and logo on Information Bulletin, banners, etc

PAYMENTS

Cheque/Bank Draft to be drawn on in favour of “The Comm for the IGS”, or by bank transferred to the following account:

Name of Bank : Canara Bank; Branch Name: Delhi Diplomatic Enclave, 7/48, Malcha Marg, Chanakyapuri, New Delhi 110 021

Account No. : 0157101031508;

MICR Code No.: 110015007

Account Holder Name: THE COMM FOR THE IGS

IFSC Code: CNRB0000157

Swift Code: CNRBINBBDFS

SECRETARIAT

All correspondences relating to the Workshop should be addressed to:

Mr. A.K. Dinkar, Secretary

Central Board of Irrigation & Power, Malcha Marg, Chanakyapuri, New Delhi 110 021, India

Contact Persons: Mr. K.K. Singh, Director (WR) / Ms. Kalpana Adhikari

Phone : +91-11- 2611 1294/2687 5017, Fax : +91-11-2611 6347

E-mail: kksingh@cbip.org; meenakshi@cbip.org; cbip@cbip.org; Website : www.cbip.org

Workshop on
Geosynthetics for Infrastructure Development

**19-20 April 2023, CBIP Conference Hall,
Malcha Marg, Chanakyapuri, New Delhi**

REGISTRATION FORM

(To be filled in block letters preferably typed)

1. Name of Participant _____
(Surname) (First Name) (Prefix Prof./Dr./Mr./Mrs./Ms.)

2. Designation: _____

3. Name of Organisation: _____

4. Mailing Address: _____

City _____ State _____

Country _____ PIN _____

Phone _____ Fax _____ E-mail _____

5. Payment details:

Cheque/Bank Draft to be drawn on in favour of "The Comm for the IGS", or by bank transferred to the following account:

Name of Bank : Canara Bank; Branch Name: Delhi Diplomatic Enclave, 7/48, Malcha Marg, Chanakyapuri, New Delhi

Account No. : 0157101031508; MICR Code No.: 110015007 Account Holder Name: THE COMM FOR THE IGS

IFSC Code: CNRB0000157

Swift Code: CNRBINBDDFS

Dated _____

Signature _____

Registration Form duly filled in, together with necessary payments to be mailed to

Mr. A.K. Dinkar

Secretary

Central Board of Irrigation & Power

Malcha Marg, Chanakyapuri, New Delhi 110 021, India

Fax: +91-11-2611 6347

E-mail: meenakshi@cbip.org; cbip@cbip.org

Note:

- The last date for receipt of the registration form is 15 January 2023
- Spot registration facilities will also be available, provided the prior information is received.