Sponsorships / Funding Agency

The sponsorship for publication of advertisement in the technical journals is as follows:

- **Back Cover Page:**
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  Rs. 30,000 (Rupees thirty thousand)
- **Half Inner Page:**
  Rs. 20,000 (Rupees twenty thousand)

In addition, sponsors are encouraged to sponsor technical sessions, lunch, dinner, snacks, registration kits, etc. The sponsors' signage will appear in different areas of the conference in form of flex banners and standees.

The sponsorship/advertisement amount may be paid in favour of "Continuing Education Centre - Besus". The amount can be paid electronically (e-payment) through SWIFT/NEFT/UPI ID - 9432104410m@pnb. All the correspondence can be done through the official email address of the seminar: **reipsf25@gmail.com**

The details of bank A/c are given below:

A/c Name: Continuing Education Centre- Besus,
A/c no: 1532010011963,
Bank: Punjab National Bank, **Branch:** Besus,
IFSC Code: punb0153220,
Swift code: punbinbbxx.

NATIONAL SEMINAR ON

RENEWABLE ENERGY INTEGRATION FOR POWERING A SUSTAINABLE FUTURE – VISION 2047

ORGANIZED BY:

Indian Energy Congress & Department of Electrical Engineering, Indian Institute of Engineering Science & Technology (IIEST), Shibpur, Howrah

15th-16th November, 2025

Venue: Alumni Seminar Hall (First Floor, Science & Technology Building), IIEST, Shibpur

About the National Seminar

India's Vision 2047 aims to transform the nation into a developed, energy-secure, and environmentally sustainable country by its 100th year of independence. A key pillar of this vision is the large-scale integration of renewable energy sources — such as solar, wind, biomass, and hydro — into the national power grid. Effective grid integration is essential for ensuring reliability, stability, and affordability in a renewable-dominated energy landscape. This seminar explores the transformative potential of renewable energy technologies in shaping low carbon future, emphasizing innovation, policy frameworks and practical implementation strategies. The seminar aims to bring together researchers, academicians, industry experts, and policymakers to discuss recent advances, challenges, and opportunities in renewable energy technologies and their integration into the power grid. It also seeks to promote sustainable development and energy security through innovative solutions and collaborative research. Expected outcomes of this national seminar are Exchange of ideas and research findings among participants, identification of emerging research areas and collaboration opportunities, increased awareness of sustainable and renewable energy solutions for future energy needs. A souvenir containing the abstracts of the keynote addresses, invited talks, and panel discussions will be published. Student Poster session is an exciting part of the seminar.

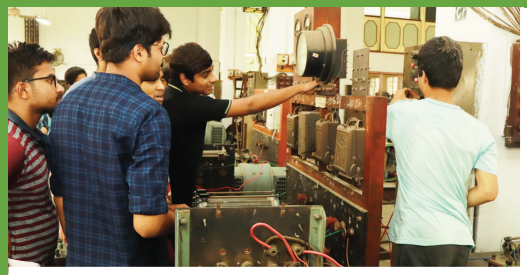
About IIEST, Shibpur

The second oldest engineering college in India, 'Indian Institute of Engineering Science and Technology', Shibpur owes its origin to the erstwhile 'Bengal Engineering College' (popularly known as B.E. College). In 2004, B.E. College (Deemed University) was converted into a full-fledged university by an act in the West Bengal Assembly and renamed as Bengal Engineering and Science University, Shibpur. In March 2014, Bengal Engineering and Science University, Shibpur was taken over by the Government of India and converted into an Institute of National Importance through an act of parliament and renamed as Indian Institute of Engineering Science and Technology, Shibpur.

IIEST Shibpur is known for its rich legacy in producing distinguished engineers and researchers in various disciplines of engineering, science, and technology. It has 16 departments and 8 schools. It has over 250 faculty members and a student strength of over 4000.

About the Department of EE

The Electrical Engineering Department at IIEST Shibpur is one of the oldest in India. It started its journey in 1912-13, when the institute was still Bengal Engineering College. The first batch of graduate electrical engineers was produced in 1936. The post graduate degree was first offered in 1955 and the first PhD scholar from the department came out in 1959. The department has contributed significantly to build India's power infrastructure, producing engineers and technocrats for power sector. It provides a dynamic & scholarly environment, promotes independent & collaborative learning, and prepares students to be industry-ready engineers/researchers/teachers. The faculty is some of the best in the country in terms of experiences in teaching, research and innovation. The department has handled a number of sponsored research projects funded by DST, AICTE, CSIR, CPRI along with prestigious NAMPET, DST FIST, UGC SAP, NPP(CPRI) projects and industrial consultancy work over the years and produced patents. Many projects and consultancy work are running currently. The present thrust area of research are Power Electronics, Machines and Drives, Power and Energy Systems, Control and Automation, AI driven applications, etc.



About Indian Energy Congress

Indian Energy Congress was established on 7th August 2019 as a registered national professional society under the provisions of the Societies Registration Act 1860 (Act XXI of 1860) bearing registration no: 1577/201900069 of 2019-20. Its primary aims are to bring thought leaders and researchers in energy sector together and lead various initiatives to address the energy challenges that our humanity faces today. The basic objectives of the Society are : to undertake intensive study & research in engineering with multidisciplinary approach in developing energy resources and their utilization; to promote awareness among people about the production, conservation, & utilization of energy; to create awareness in the society to protect environment and to develop social energy responsibility. The interests of the organization cover all aspects of renewable and non-renewable energy resources, including characteristics, effects and methods of use, and it provides a common platform to all those concerned with the nature and utilization of non-polluting resources.

Organizing Committee

- **Chief Patron:** Smt. Tejaswini Ananth Kumar, Chairperson, BoG, IIEST, Shibpur
- **Patron:** Prof. V. M. S. R. Murthy, Director, IIEST, Shibpur
- **Mentor(s):** Prof. Chandan Kumar Chanda, IIEST, Shibpur & Dr. Pravakar Swain, President, Indian Energy Congress (IEC)
- **General Chair(s):** Prof. P. K. Parhi, Secretary General, Indian Energy Congress, Dr. Sukant K Mohapatra, Chief Advisor, Indian Energy Congress & Chairman, NIST Berhampur & Prof. Aparajita Sengupta, Professor and Head, EE, IIEST, Shibpur
- **Organizing Chair(s):** Dr. Paramita Chattopadhyay & Dr. Atanu Banerjee
- **Finance Chair(s):** Prof. P. K. Parhi, Prof. K. Das Bhattacharya & Dr. K. Swati
- **Publicity Chair(s):** Dr. S. A. Qasim, Dr. P. Paral & Dr. S. Dhara
- **Registration Chair(s):** Dr. S. Parui & Dr. K. Swati
- **Technical Chair(s):** Prof. A. De, Dr. A. Barman & Dr. A. B. Choudhury

- **Advisory Board Members:** Prof. Ashoke Sutradhar, Prof. Prasid Syam, Prof. Anindita Sengupta, Prof. Mainak Sengupta, Prof. Debabrata Roy, Prof. Debjani Ganguly, Dr. Kaushik Mukherjee, Dr. Suvarun Dalapati, Prof. Bhaskaran Barman, Dr. Reetam Mondal, Dr. Roshni Maiti, Dr. Mousumi Mukherjee, and Dr. Anirudh Nath, Department of Electrical Engineering (EE), IIEST, Shibpur

Mode of the Seminar:

It will be conducted in Physical (Offline) Mode in the Alumni Seminar Hall (First Floor, Science & Technology Building), IIEST Shibpur.

Seminar Topics

This topic for the seminar include but not limited to :

- Solar Energy Technologies
- Wind Power Innovation
- Green Hydrogen and Fuel Cell
- Smart Grid, Microgrid and Storage Systems
- Grid Integration of Renewable Energy Systems
- High Voltage Engineering and Transmission Systems
- AI and IoT in Energy Systems
- Block Chain in Energy Training / Energy Market
- Energy Materials

List of Speakers / Resource Persons

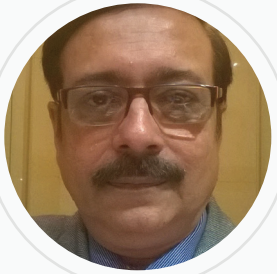
- **Prof. Sukumar Mishra,**
  Director, IIT(ISM) Dhanbad
- **Prof. N. Lakshminarasamma,**
  Professor, IIT Madras
- **Prof. Hiranmay Saha,**
  Director, Agni Power
- **Mr. Gautam Ray,**
  Executive Director, HR & Admin, CESC Limited
- **Mr. Pintu Chatterjee,**
  General Manager - Sales (East), SIEMENS
- **Prof. Sujit K. Biswas,**
  Professor & Dean (Academic), STCET
- **Prof. Subhransu Ranjan Samantaray,**
  Professor, IIT Bhubaneswar
- **Prof. Debashis Chatterjee,**
  Professor, Jadavpur University
- **Prof. Debapriya Das,**
  Professor, IIT Kharagpur

Prof. Sukumar Mishra,
Director, IIT(ISM) Dhanbad

Prof. N. Lakshminarasamma,
Professor, IIT Madras

Prof. Hiranmay Saha,
Chairman, AGNI

Mr. Gautam Ray,
Executive Director, HR & Admin, CESC Limited



Prof. Sujit K. Biswas,
Professor & Dean (Academic), STCET

Prof. Subhransu Ranjan Samantaray,
Professor, IIT Bhubaneswar

Prof. Debashis Chatterjee,
Professor, Jadavpur University

Prof. Debapriya Das,
Professor, IIT Kharagpur

Registration Fees

- **Research Scholar/Students:** Rs 500
- **Faculty:** Rs 1000
- **Industry Participants:** Rs 2000

The registration fee covers tea, snacks, lunch (2-days), seminar kit, study materials and certificates. Registration fee may be paid in favour of "Continuing Education Centre - Besus". The registration fee can be paid electronically (e-payment) through SWIFT/NEFT/UPI ID - 9432104410m@pnb.

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Swift code: punbinbbxx.

How to apply

The interested candidates can fill up the registration form available in IIEST, Shibpur website at:
https://www.reipsf25.iiests.ac.in

Registration

https://forms.gle/hTuH8VmL7efsY144A

In case of any query, please write to
reipsf25@gmail.com

Only after receiving the filled up on line forms from the participants, confirmation of participation will be intimated through e-mail. Registration Kits, working lunch and tea will be provided to all the registered delegates.

Contact Persons

For Coordination

Dr. Paramita Chattopadhyay,
Email Id: pc@ee.iiests.ac.in
Dr. Atanu Banerjee,
Email Id: atanu@ee.iiests.ac.in

For Registration

Dr. Sukanya Parui,
Email Id: sparui@ee.iiests.ac.in
Dr. Kumari Swati,
Email Id: swati@ee.iiests.ac.in

For Sponsorships & Advertisements

Prof. Konika Das (Bhattacharya),
Email Id: kdb@ee.iiests.ac.in
Dr. Kumari Swati,
Email Id: swati@ee.iiests.ac.in