



**TWO-DAY ALL INDIA SEMINAR**  
conducted by  
**INSTITUTION OF ENGINEERS (INDIA)**  
**ROURKELA LOCAL CENTRE IN ASSOCIATION WITH**  
**NATIONAL INSTITUTE OF TECHNOLOGY, ROURKELA**



**TOPIC- TRENDS IN ADVANCED BUILDING CONSTRUCTION AND  
INNOVATIVE BUILDING MATERIAL  
(TABCIBM-2025)**

**About NIT Rourkela**

NIT Rourkela is a highly prestigious institute with a reputation for excellence in research, consultancy and education at undergraduate, postgraduate and doctoral levels.

The Institute currently offers 21 undergraduate programs in the major disciplines of engineering, architecture, science, humanities and management, and post graduate programs in diversified fields of research areas.

**About Institution of Engineers (India)**

The Institution of Engineers (India) [IEI] is the largest multi-disciplinary professional body of engineers, established in 1920 with its Headquarters located in Kolkata and incorporated under Royal Charter on 9th September, 1935.

IEI has been recognized as Scientific and Industrial Research Organization (SIRO) by the Ministry of Science & Technology, Govt. of India and besides conducting its own research, provides Grant-in-Aid to UG / PG / PhD students of Engineering Institutes & Universities.

**About the Seminar - TIABCIBM 2025**

- To explore the role of energy-efficient technologies, renewable energy integration, and sustainable building practices.
- To investigate the role of innovative materials in making buildings more resilient.
- To discuss strategies for improving the regulatory framework to accommodate innovative materials and construction methods.
- To explore and showcase the use of modern construction techniques, such as prefabrication, 3D printing, and modular construction.

**Guests for the Seminar**



**Shri Ashutosh Kulkarni**  
Chief Guest (Day 1)  
Commissioner, (I.A.S.)  
Rourkela Municipal Corporation



**Shri Bijay Kumar Jojo**  
Guest of Honour (Day 1)  
Chief General Manager (CGM)  
Town Engg. & Horticulture (RSP)



**Dr. K. Umamaheshwar Rao**  
Chief Patron  
Director  
NIT Rourkela  
Odisha



**Ar. Swopnadutta Mohanty**  
Chief Guest (Day 2)  
Chairperson,  
Indian Institute of Architects  
(IIA), Odisha Chapter  
Executive Committee Member  
Council of Architecture (CoA)



**Shri Ram Mohan Mishra**  
Guest of Honour (Day 2)  
Planning Member (Retd.)  
Rourkela Municipal  
Corporation

**Organising Members**



**Ar. Abhishek Das**  
Convenor  
TIABCIBM - 2025



**Prof. Binit Kumar**  
Co-Convenor  
(TIABCIBM - 2025)  
Assistant Professor  
Planning & Architecture  
NIT Rourkela



**Prof. Ankur Baghel**  
Co-Convenor  
(TIABCIBM - 2025)  
Assistant Professor  
Planning & Architecture  
NIT Rourkela

**Administration - IEI Rourkela**



**Er. S. K. Polaki**  
Chairman  
Institution of Engineers (India)  
Rourkela Local Centre



**Dr. Ajit Behera**  
Honorary Secretary  
Institution of Engineers (India)  
Rourkela Local Centre

**Dates: 01<sup>st</sup> to 02<sup>nd</sup> March 2025**

**Time: 9:00 am to 4:00 pm**

**Scan QR to Register!**

**Registration is free**

**Limited to 60 seats.**







# Schedule of the Seminar



## Two Day All India Seminar – March 1st–2nd, 2025 (Trends in Advanced Building Construction and Innovative Building materials)

### Schedule of the event- Day 1 (March 1st, 2025)

Time	Event Details	Topics
8:00 am to 9:00 am	Delegates Registration	
9:00 am to 10:00 am	Inauguration Ceremony	
10:00 am to 10:30 am	Snacks & tea Break	
<b>Technical Session-I (10:30 am to 1:00 pm)</b>		
10:30 am to 10:35 am	Introduction to the seminar by the Co-convenor	Two day Seminar roadmap TIABCIBM-2025
10:35 am to 11:00 am	Presentation by Prof. Ankur Baghel	Advanced Structural Systems
11:00 am to 11:30 am	Presentation by Ar. Jogesh Chatria & Mr. Sharang Patel (Assistant Town Planners, RMC)	Development of Rourkela with smart city strategies
11:30 am to 12:00 pm	Presentation by Prof. Mohd. Nauman Nizamuddin	Building design for fire and life safety as per NBC 2016
12:00 pm to 12:30 pm	Presentation by Ar. Gautam K. Agrawal- Founder of Prakruti Vastukala	Sustainable Building materials in modern architecture
12:30 pm to 1:00 pm	Presentation by Ar. Abhishek Das	Feasibility study on uses of Banded Hematite Jasper (BHJ) for architectural, ornamentation and decorative purpose
<b>Lunch break (1:00 pm to 2:15 pm)</b>		
<b>Technical Session-II (2:15 pm to 5:30 pm)</b>		
2:15 pm to 3:45 pm	Presentation by Mr. Sarobindu Mohanta (Team Lead, FICCI (BEE PAT Scheme, Ministry of Power, Govt. of India) IGBC-AP	Energy conservation building code (ECBC), Indian Carbon Market and various financial instruments
3:45 pm to 4:00 pm	Snacks & tea Break	
4:00 pm to 4:30 pm	Presentation by SAANVI enterprises VR experience & Interactive Quiz session	Reshaping the landscape of home interiors with technology
4:30 pm to 5:00 pm	Presentation by Tata Steel	Use of fibre reinforced plastics (FRP) as an alternative of reinforcement bars
5:00 pm to 5:30 pm	Presentation by Prof. Simantini Behera	Bricks from waste materials
<b>Day 1 ends</b>		

### Schedule of the event- Day 2 (March 2nd, 2025)

9:00 am to 9:10 am	Welcoming Chief Guest and Guest of Honour	
9:10 am to 9:30 am	Address by Guest of Honour Shri. Ram Mohan Mishra	
9:30 am to 9:50 am	Address by Chief Guest Ar. Swopnadutta Mohanty	
09:50 am to 10:20 am	Presentation by Prof. Binit Kumar	Energy-efficient buildings
10:20 am to 10:30 am	Release of Ekansh Magazine from Saanvi Enterprises and VR experience	
10:30 am to 12:00 pm	Talk by Mr. Pratik Agarwal- Founder of Brahmani Developer	
<b>Lunch break (12:00 pm to 1:30 pm)</b>		
1:30 pm to 2:30 pm	Panel Discussion with architects and civil engineers	
2:30 pm to 4:00 pm	Valedictory ceremony and certificates distribution with vote of thanks	
<b>Day 2 ends- Site visit to construction sites inside campus</b>		

#### Note:

1. Registration is free but mandatory.
2. Registration kits and food coupons will be given to the registered participants only.
3. Certificate of participation shall be awarded only after attending all sessions on both days.



Scan QR for  
registration!