



# BUILT ENVIRONMENT

BI-MONTHLY PUBLICATION OF INDIAN BUILDINGS CONGRESS



*Dr. Babasaheb Ambedkar International Convention Center, Nagpur*



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## From President's Desk



It gives me great pleasure to present this new issue of the Built Environment magazine, a flagship publication of the Indian Buildings Congress. As India advances rapidly in infrastructure development, sustainability, and technological innovation, the built environment sector stands at a decisive crossroads. Our choices today in planning, design, materials, and governance will shape the nation's physical and environmental landscape for decades to come.

The Indian Buildings Congress has always championed knowledge-sharing, professional excellence, and collaborative problem-solving. In an era marked by climate stresses, rapid urbanisation, and evolving user expectations, these values are more important than ever. Buildings today are not merely structures; they are ecosystems that must be resilient, energy-efficient, safe, and socially inclusive. This demands continuous learning, research-based decision-making, and seamless integration of new technologies.

This issue brings together insightful articles, technical papers and field experiences from experts across the country. Their contributions shed light on emerging challenges such as the impact of air pollution on infrastructure, the need for climate-adaptive construction practices, and the growing role of digital tools like BIM, AI, and smart materials. I am confident that practitioners, policy-makers, and young professionals alike will find this issue both timely and inspiring.

I also take this opportunity to acknowledge the dedicated efforts of our editorial Board, contributors and members who continue to strengthen the intellectual foundation of the IBC. Their commitment enables us to push boundaries and uphold the organisation's mission of promoting excellence in the built environment.

As we look ahead, let us reaffirm our collective resolve to build responsibly, innovate boldly, and ensure that development remains aligned with environmental stewardship and societal well-being. Together, we can shape a built environment that is modern, enduring, and sustainable for future generations.

Warm regards,

A handwritten signature in blue ink, appearing to read 'C. Debnath', written on a light-colored rectangular background.

(Er. C. Debnath)

President

Indian Buildings Congress (IBC)

## From Editor's Desk

Air pollution is often viewed purely as a threat to human health, but its impact extends far beyond our lungs. It is also silently corroding, discoloring, and weakening the very structures that define our cities. The built environment — our buildings, bridges, heritage monuments, and infrastructure systems — is facing unprecedented stress from pollutants that have become a permanent part of urban air.

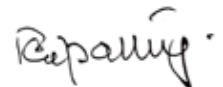
Cities today are enveloped in a cocktail of particulate matter, sulphur dioxide, nitrogen oxides, ozone, and acidic compounds. These pollutants interact with moisture and temperature fluctuations to trigger chemical reactions on building surfaces. The results are worrying: corrosion of steel, deterioration of concrete, and severe damage to limestone, marble, and sandstone. Heritage structures, many of which were built with traditional materials, are especially vulnerable. The discolouration of façades, the pitting of stone carvings, and the erosion of lime plaster are now common sights in polluted urban corridors.

Modern infrastructure is not spared either. High levels of particulate matter settle on solar panels, reducing their efficiency. Aggressive chemicals in the air accelerate rusting in bridges and transmission towers, shortening their lifespan and increasing maintenance costs. Even indoor environments are affected, as pollutants infiltrate buildings and impact HVAC systems, reducing indoor air quality and overburdening equipment.

The economic implications are profound. Cities are forced to allocate growing budgets for cleaning, retrofitting, and repairing infrastructure damaged prematurely by polluted air. At the same time, the cultural cost — the gradual loss of our architectural heritage — is immeasurable. Iconic monuments that stood the test of centuries are now being eroded in a matter of decades.

Urban planners, policymakers, and engineers must therefore recognise air pollution as not just an environmental issue but a structural one. Future building codes must reflect pollutant-resistant materials, protective coatings, and design strategies that shield structures from atmospheric corrosion. Simultaneously, national and local governments must intensify their efforts to curb emissions through cleaner transport, stricter industrial norms, and greener energy transitions.

Air pollution is a man-made challenge, but so are the solutions. Protecting the built environment is essential not only to preserve our cultural legacy but also to ensure the longevity and safety of infrastructure that supports millions of lives. The fight against air pollution is, in many ways, a fight for the durability, beauty, and resilience of our cities.



(B.C. Tripathy)  
Editor,

Editorial Board, IBC

# Strengthening of RCC Multi-Storey Building Frames Introducing Steel Bracings

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## Abstract

The seismic vulnerability of existing RCC multi-storey buildings has become a major concern due to the rising frequency of earthquakes. The goal of this study is to strengthen an RCC building that was designed and so constructed for Seismic Zone III but has been reclassified under Seismic Zone IV as a result of modified seismic hazard assessments. So, these buildings need to be strengthened and as a retrofit, vertical steel bracings are introduced to improve lateral load resistance and structural performance. This study examines the structural performances of G+6 and G+12 RCC buildings of Seismic Zone III after updated seismic conditions. The existing buildings need to be strengthened to withstand higher seismic forces because the area has been reclassified from Zone III to Zone IV. Square-Hollow-Sections SHS bracing members are introduced in this case study. For analysis and comparison we are using the STAAD. Pro software which contrasts the structural behavior before and after the retrofitting. In comparison to the original design, the results show that the installation of vertical steel bracings greatly improves the safety of beams and columns by increasing their resistance to seismic forces. Mainly the beam column joint moments are drastically reduced thus column and beam designs are becoming safer. The results of this study demonstrate that the RCC building's structural stability is significantly increased by the addition of vertical steel bracings, making it more earthquake-resistant in the future. Gaining knowledge on affordable retrofitting methods

for structures in high-seismic-risk areas will improve structural engineering's sustainability and safety.

## Introduction

With the increasing frequency and intensity of seismic events, the seismic vulnerability of existing Reinforced Cement Concrete (RCC) buildings has become a major concern. Many structures that were originally designed and constructed under lower seismic classifications are now found to be underprepared due to updated seismic hazard assessments. Particularly in India, several regions have been reclassified from Seismic Zone III to Zone IV, demanding urgent retrofitting interventions to enhance structural safety. One of the most effective and economically viable methods for retrofitting is the introduction of steel bracings. These bracings significantly enhance the lateral stiffness and strength of structures, thereby improving their seismic performance. This paper presents a comprehensive study on strengthening of RCC multi-storey buildings, particularly G+6 and G+12 storied buildings, using steel bracings. The study aims to analyze and compare the structural behavior before and after retrofitting under seismic conditions. Mazzolani (Federico M.) introduced the concept of using removable steel Eccentric Braces (EBs) and Buckling Restrained Braces (BRBs) for seismic retrofitting. These systems are not only strong and elastic but also lightweight, making them suitable for enhancing the seismic performance of existing structures without requiring major reinforcements. BRBs, in particular, have shown high ductility and stable inelastic response in laboratory tests, providing



comprehensive improvements in lateral stiffness, strength, and displacement capacity. Studies by D. Aniello, M. Della Corte, and G. Mazzolani have reinforced the importance of these bracing systems in effectively reducing storey drifts and ensuring quick installation with minimal disruption to occupants. Similarly, Rajeev Kishan Pandey and Massumi & Tasnimi have demonstrated that steel X-bracings can significantly improve the ductility and energy dissipation capacity of low-ductile RCC frames. Ameena Muhammed A, Ifthana M N, Minnu Kurian, Shilpa Sajil, and Merin Mathew (2023) analyzed the seismic performance of a G+12 RCC residential building in Zones III and IV using ETABS 2018. Six scenarios were studied: unbraced and braced with X, V, Inverted V, K, and Diagonal systems, placed at mid and corner bays. Parameters like lateral displacement, storey drift, and base shear were evaluated. All bracing systems improved performance, but K-type bracing was most effective, reducing lateral displacement by 85% and storey drift by 79% in both directions. The study concluded K-bracing significantly enhances stiffness and seismic resistance. Anes Babu, Dr. Chandan Kumar Patnaikuni, Dr. K.V.G.D. Balaji, and B. Santhosh Kumar (2017) studied the seismic performance of a G+9 RCC building using ETABS 2015 by analyzing three models: without bracing or shear wall, with various steel bracings (X, Chevron, Diagonal, V), and with a shear wall. Evaluated across seismic zones II to V, the study assessed storey displacement, drift, and shear. Results showed Chevron bracing was most effective in zones II and III, while X bracing excelled in zones IV and V. Steel bracing improved stiffness and reduced drift significantly, proving to be an efficient and economical retrofitting solution.

### Case Study 1: Retrofitting a G+6 RCC Building using Steel Bracings

A detailed case study was conducted on a G+6 RCC building initially designed for Seismic Zone III, now reclassified under Zone-IV. The retrofitting approach involved the use of vertical steel bracing members to

enhance lateral load resistance and improve overall structural stability. A comprehensive assessment was conducted, including evaluation of structural drawings, material properties (concrete and steel), and site investigations. The study identified inadequate seismic resistance in the original design.

#### • Selection and Design of Bracing System

Based on geometry and performance requirements, different configurations such as X-bracing, V-bracing, and K-bracing were introduced. X-bracing was selected for its superior performance in reducing displacement and joint moments. The steel members were designed using STAAD.Pro. Steel bracing members were strategically installed in the structural frame with proper anchorage to the existing RCC components. Modifications such as concrete cutting and specialized connectors ensured a strong interface between the bracing and the original structure. Nonlinear static pushover analysis and dynamic time-history analysis were conducted. The results showed a marked improvement in stiffness, a reduction in inter-story drifts, and significant enhancement in beam-column joint safety.

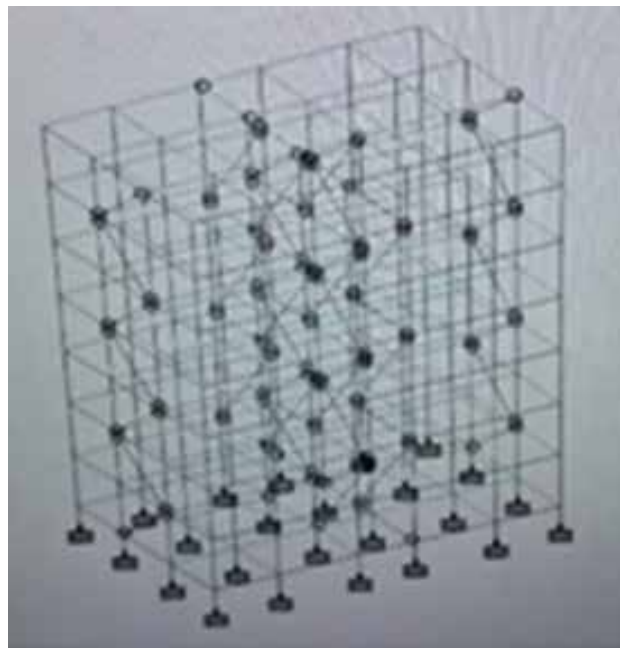


Fig. 1: Staad picture of G+6 building introducing steel bracings



**Table 1: Column Forces comparison (in kN-m)**

Member No.	Without Bracings				With Bracings			
	Axial Force	Bending Movement	Shear Force	STAAD Design Ast Provide (Zone 3)	Axial Force	Bending Moment	Shear Force	STAAD Design Ast Req'd. (Zone 4)
110	3026	669	288	2.1%	5000	-382	-169	2.1%
109	3030	-683	-298	3.0%	4630	-381	-169	1.2%
117	2846	679	294	2.4%	2835	356	-167	1.8%

**Table 2: Beam Forces comparison (in kN-m)**

Member No.	Without Bracings			With Bracings		
	Axial Force	Bending Movement	Shear Force	Axial Force	Bending Moment	Shear Force
113	2	418	202	18	299	154
132	2	198	129	-25	84	65
139	4	280	159	-4	185	-110

## Case Study 2: Retrofitting a G+12 RCC Building using Steel Bracings

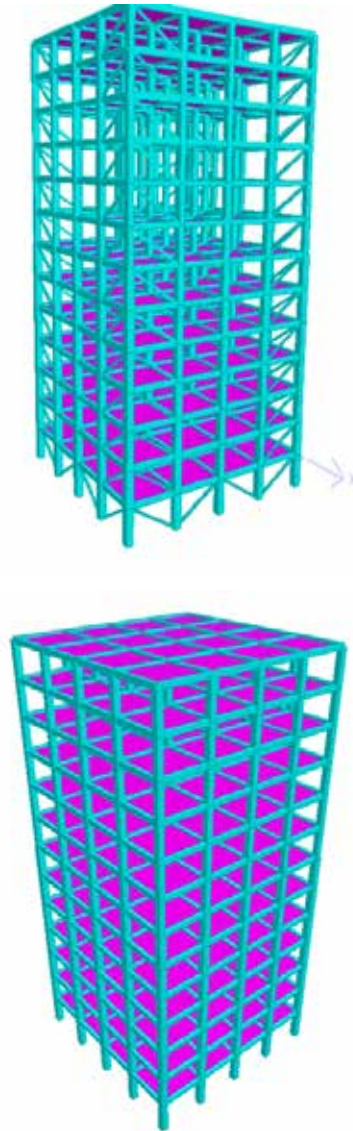
A G+12 reinforced concrete building, which was originally designed and constructed considering the parameters of Seismic Zone III, required retrofitting after the area was reclassified into Seismic Zone IV due to updated seismic hazard evaluations. To address the increased seismic demands and enhance the structural integrity of the building, vertical steel bracings made of Square Hollow Sections (SHS) were strategically introduced as a retrofitting measure aimed at significantly improving its resistance to lateral seismic forces and overall seismic performance. The primary objective was to enhance the overall structural safety of the building and ensure compliance with the revised seismic design criteria applicable to Zone IV, which was achieved by implementing a retrofitting strategy that involved the use of vertical steel bracings constructed from Square Hollow Sections (SHS) to effectively resist increased lateral seismic forces.

### • Methodology

The structural analysis and design process for the retrofitting measures were performed using STAAD.Pro software, a widely recognized tool for seismic and structural assessment. The vertical steel bracings were meticulously designed and positioned to achieve a substantial reduction in beam-column joint moments as well as to minimize lateral displacements, thereby

improving the overall seismic performance and stability of the structure.

- The bracing system led to a drastic reduction in joint moments, thus making beams and columns safer.
- Lateral displacement was significantly reduced.
- Stiffness and durability of the building increased.
- The retrofitted structure is now compliant with Zone IV seismic demands.



**Fig. 2: Staad pictures of the G+12 RCC building without and with steel bracings**

**Table 3: Column Forces comparison (in kN-m)**

STOREY NUMBER	COLUMN NUMBER	Critical Column Forces					
		Axial Force (KN)		Shear Force (KN)		Moment (KN-m)	
		Normal	Bracing	Normal	Bracing	Normal	Bracing
1	C55	5330	5340	111	41	296	158
	C57	5208	5148	112	41	297	158
	C62	4710	5309	107	45	292	168
	C64	3617	5022	99	41	284	158
7	C439	2737	2781	121	121	190	190
	C441	2687	2651	129	122	204	192
	C446	2360	2516	116	102	184	160
	C448	1831	2482	84	58	133	90

**Table 4: Beam Forces comparison (in kN-m)**

STOREY NUMBER	BEAM NUMBER	Critical Column Forces					
		Axial Force (KN)		Shear Force (KN)		Moment (KN-m)	
		Normal	Bracing	Normal	Bracing	Normal	Bracing
1	B34	5	44	146	134	192	164
	B35	5	44	146	134	192	164
	B37	12	148	138	118	185	138
	B38	6	143	136	128	180	161
7	B418	4	17	160	161	224	227
	B419	4	17	160	161	224	227
	B420	4	12	167	134	242	231
	B421	7	213	157	125	228	156

## Usage of Steel Bracings for Retrofitting and Rehabilitation of RCC Buildings

So steel bracings are structural elements installed to enhance the lateral stiffness and strength of a building, resisting forces such as wind / seismic activity.

### Purpose and Advantages

1. Prevents buckling in main structural members.
2. Distributes lateral and vertical loads efficiently.
3. Cost-effective, flexible, and easy to implement.
4. Improves resistance to seismic and wind forces.
5. Significantly reduces lateral displacements.

### Benefits

- Increased Lateral Stiffness: Minimizes sway and deflection.
- Improved Seismic Resistance: Provides alternate load paths.
- Reduced Story Drift: Controls displacement between floors.
- Economical: More viable than alternatives like shear walls.

## Conclusion

The combined study of G+6 and G+12 RCC buildings has clearly demonstrated the effectiveness of steel bracing systems in seismic retrofitting. Steel bracings provide a significant improvement in structural performance by enhancing lateral load resistance, reducing joint moments and displacements, and ensuring structural safety in reclassified seismic zones.

- Steel bracing is an effective retrofitting solution, especially when seismic zoning is upgraded.
- It offers improved stiffness, strength, and ductility with minimal addition of structural weight.
- X-bracing systems, in particular, yield optimal results in reducing bending moments and lateral displacement.
- Both short (G+6) and tall (G+12) buildings get benefitted substantially from steel bracings, making it a universally applicable method in seismic retrofitting strategies.

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## **Timely Completion of Industrial Infrastructure Projects- Development of Greenfield Industrial Estate at Mundamba, Khordha and Construction of Worker's Hostel at Khordha Industrial Estate**

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### **Abstract**

The Odisha Industrial Infrastructure Development Corporation (IDCO) has undertaken two landmark projects to accelerate industrial growth and ensure workforce welfare in Khordha district: the development of a Greenfield Industrial Estate at Mundamba and the construction of a Worker's Hostel at Khordha Industrial Estate. The Greenfield Industrial Estate, spread over 291.35 acres and funded under SASCI, focuses on creating seamless connectivity from NH-16 and providing essential infrastructure for major industries like Nestlé, Varun Beverages, and Indorama. The Worker's Hostel, funded under the SIDBI Cluster Development Fund, is designed to accommodate 2,000 workers within a modern residential complex equipped with essential amenities such as dining facilities, sewage treatment, and fire safety systems. Both projects were implemented under stringent timelines, overcoming challenges related to site conditions and statutory approvals through strategic planning and effective coordination. Adherence to quality standards, zero accident incidents, and integrated development approaches make these projects benchmarks for future industrial infrastructure initiatives in Odisha.

### **Introduction & Background**

Industrial development is a cornerstone of economic growth, and infrastructure plays a pivotal role in creating a favorable environment for investment and employment generation. Odisha, with its abundant natural resources and strategic location, has emerged as a preferred destination for industries. To sustain this momentum, the state has adopted an integrated approach to develop industrial infrastructure and ensure workforce welfare.

In line with this strategy, the Odisha Industrial Infrastructure Development Corporation (IDCO) initiated two major projects in Khordha district:

- Greenfield Industrial Estate at Mundamba – to provide road connectivity and industrial infrastructure for upcoming large-scale industries.
- Worker's Hostel at Khordha Industrial Estate – to meet the growing demand for organized residential facilities for industrial workers.

Both projects were funded under loan-based schemes from the Government of India: SASCI for the Mundamba project and SCDF for the Khordha

Worker's Hostel. Timely completion was a critical requirement, considering the financial implications and the industrial demand for these facilities.

- **Project Background**

The Mundamba Industrial Estate was designed to facilitate industries like Nestlé, Varun Beverages, Anadrome, and Indorama by providing seamless connectivity from NH-16. The scope included construction of an approach road, internal spine roads, drainage, and other associated infrastructure.

The Khordha Worker's Hostel project was conceptualized to address the housing needs of workers employed in one of the oldest industrial estates in the state. The facility is designed for 2,000 workers, providing safe and affordable accommodation with modern amenities.

- **Rationale for the Projects**

The rationale behind these projects lies in creating an integrated industrial ecosystem that combines infrastructure for industries with residential facilities for workers. This approach reduces commuting time, enhances productivity, and improves quality of life for workers while making the industrial estates more attractive for investors.

- **Key Stakeholders**

- Project Owner: IDCO
- Project Management Consultant: M/s Egis Consulting Engineers India Pvt Ltd
- Contractors:
  - ❖ Mundamba Industrial Estate – M/s VPC Pvt Ltd
  - ❖ Khordha Worker's Hostel – M/s B.P. Constructions

## **Methodology & Approach**

The successful execution of the Greenfield Industrial Estate at Mundamba and the Worker's Hostel at Khordha Industrial Estate demanded a well-

structured methodology encompassing project planning, design, procurement, and construction monitoring. Both projects were executed under strict time constraints and financial discipline, which necessitated a systematic approach from conceptualization to completion.

- **Time Management and Monitoring**

Dedicated teams from IDCO and PgMC ensured timely execution through site visits, progress reviews, and proactive issue resolution.

- **Quality and Safety**

Both projects adhered to IS standards and recorded zero accidents. Material testing and safety protocols were strictly enforced.

## **Project Details**

- **Development of Greenfield Industrial Estate at Mundamba**

The Greenfield Industrial Estate at Mundamba was conceptualized as a strategic industrial hub to support Odisha's vision of attracting large-scale investments in food processing and manufacturing sectors. Situated adjacent to National Highway-16 near Malipada, the estate covers an area of 291.35 acres, offering well-developed plots for industries such as Nestlé, Varun Beverages, Anadrome, and Indorama.

The initial scope of the project focused on constructing an approach road of 2.36 km length with a 60-meter Right of Way (RoW). However, during the planning phase, the scope was expanded to include internal spine roads to meet future industrial requirements. This strategic decision eliminated the need for additional tenders and ensured better time and cost optimization.

The most significant challenge encountered during execution was the presence of large ditches, approximately 8 meters deep, along the alignment of the proposed approach road. These low-lying areas threatened to delay progress, particularly during the monsoon season. The contractor, in coordination



**Table 4.1: Summary of Mundamba Industrial Estate Project**

Parameter	Details
Location	Near NH-16, Malipada, Khordha
Total Area	291.35 Acres
Estimated Cost	Rs. 35 Crore
Funding Source	SASCI
Contractor	M/s VPC Pvt Ltd
Original Timeline	1 Year
Actual Completion	Mid-October 2024 (with additional scope)

with local authorities, sourced good-quality earth from approved locations and filled the ditches in a time-bound manner to maintain the construction schedule.

Another critical technical challenge was maintaining the final road level (FRL) without incurring excessive cost. This was addressed by adopting road cutting techniques and using the excavated material to fill valley portions, thereby ensuring a balanced earthwork and reducing dependency on borrow pits.

**Table 4.2: Timeline of Mundamba Industrial Estate Project**

Event	Date
DPR Preparation Completed	April 2023
Tender Invitation	18 May 2023
Contractor Engagement	30 June 2023
Original Completion Target	February 2024
Actual Completion	Mid-October 2024

- **Construction of Worker's Hostel at Khordha Industrial Estate**

The Khordha Industrial Estate is one of the oldest and most prominent industrial hubs in Odisha, established nearly three decades ago. It presently houses over 200 industrial units and provides direct

employment to approximately 5,000 workers. With continuous industrial expansion and rising workforce numbers, the demand for safe, affordable, and organized accommodation within the estate became a pressing necessity.

The Worker's Hostel Project was conceptualized to address this gap by creating a residential facility capable of accommodating 2,000 workers within the industrial estate itself. This would not only enhance worker welfare and safety but also ensure improved productivity by reducing commuting time and providing a conducive living environment.

**Table 4.3: Summary of Khordha Worker's Hostel Project**

Parameter	Details
Location	Khordha Industrial Estate
Total Area	3.39 Acres
Built-up Area	25,765.5 sq. m
Estimated Cost	₹68 Crore
Funding Source	SIDBI Cluster Development Fund
Contractor	M/s B.P. Constructions
Timeline	2 Years (from April 2023)
Intended Capacity	2,000 Workers



**Structural Progress of the Khordha Workers' Hostel**

## Challenges and Mitigation Measures

The execution of large-scale infrastructure projects within strict timelines inevitably involves numerous challenges. Both the Greenfield Industrial Estate at Mundamba and the Worker's Hostel at Khordha presented unique site conditions, design complexities, and logistical constraints. Timely identification and effective mitigation of these issues were critical for ensuring uninterrupted progress.

- **Summary of Challenges and Solutions**

**Table 5.1: Challenges and Mitigation Measures**

Project	Key Challenges	Mitigation Measures
Mundamba Industrial Estate	Deep ditches up to 8 m along the road alignment	Sourced and placed good earth promptly before monsoon
	High cost risk in earthwork due to gradient adjustments	Adopted road cutting and re-used excavated soil
	Time constraint for approach and spine roads	Integrated scope in a single contract to save time
Worker's Hostel, Khordha	Delay in statutory approvals for building plans	Designated IDCO as Special Planning Authority (SPA)
	Structural safety in high-density residential design	Incorporated NBC guidelines and earthquake resistance
	Limited space within industrial estate for construction	Planned phased construction and optimized circulation

## Outcomes and Key Learnings

The completion of these two projects represents a major milestone in Odisha's industrial infrastructure development, reflecting the state's commitment to industrial growth and workforce welfare. The Greenfield Industrial Estate at Mundamba has provided seamless connectivity from NH-16 to industrial plots, enabling early establishment of industries such as Nestlé, Varun Beverages, Anadrone,

and Indorama. Well-designed approach and spine roads, drainage systems, culverts, acceleration and deceleration lanes, and street lighting have created a safe and efficient industrial hub, complemented by landscaping measures that enhance aesthetics and environmental sustainability.

Key achievements include timely execution despite challenges, integrated planning for cost optimization, and adoption of sustainability measures. Important learnings highlight the need for early risk identification, strategic bundling of work components, fast-track approvals, robust monitoring systems, and prioritizing worker welfare in all future industrial projects to enhance productivity and strengthen the industrial ecosystem.

## Conclusion and Recommendations

- **Conclusion**

These projects demonstrate IDCO's capability to deliver integrated industrial infrastructure within stringent timelines. Future projects should adopt strategies like comprehensive site assessments, integrated contracting, fast-track clearances, and inclusion of sustainability measures.

- **Recommendations**

- **Comprehensive Site Assessment:** Conduct detailed geotechnical and topographical surveys at the planning stage to identify challenges like soil conditions, drainage issues, and depressions for proactive mitigation.
- **Integrated Contracting:** Combine related work components such as approach and internal roads into a single contract wherever feasible to save time and reduce administrative overheads.
- **Fast-Track Approvals:** Empower implementing agencies as planning authorities or provide a single-window clearance system to expedite statutory approvals.



- **Enhanced Monitoring:** Use robust digital progress tracking systems supported by experienced Project Management Consultants for quality and timely execution.
- **Worker Welfare:** Incorporate safe and affordable accommodation with modern amenities in all major industrial estates to improve workforce efficiency.
- **Sustainability:** Make green measures such as landscaping, rainwater harvesting, and energy-efficient lighting mandatory

in industrial projects for environmental compliance.

## References

1. IS15883: Construction Project Management Guidelines.
2. DPR for Development of IE, Mundamba prepared by M/S Egis
3. DPR for Development of Worker's Hostel, Khurda prepared by M/S Egis
4. Photographs based on various Site Visits



## Achievement of IBC Members: Er.V. Suresh, Former CMD, HUDCO & Past President, IBC



Er.V. Suresh, Former CMD, HUDCO  
receiving the award of "Fellow of Eminence"

It is a proud moment for IBC that one of the Past Presidents of IBC Er.V. Suresh, Former CMD, HUDCO has been awarded "Fellow of Eminence" from Dr. V K Saraswat Member Niti Aayog and Dr. T P Setharam, Chairman of AICTE from World Academy of Higher Education and Development at IIC.

## IBC NEWS

### I. IBC HQ

## MEET THE NEW EXECUTIVE COMMITTEE OF IBC 2025-26



Er. Chinmay Debnath, President

Er. Chinmay Debnath, FIE has been reelected as the President of Indian Buildings Congress for the session 2025-26 during the 28<sup>th</sup> Annual Convention of Indian Buildings Congress held on 13<sup>th</sup> Sept, 2025 at Nagpur. He was President of IBC for 2024-25.

Er. Debnath born on 1 March 1961 at Agartala, Tripura. He graduated in Civil Engineering in the year 1983 from Tripura Engineering College, Tripura (Presently NIT Agartala) under Calcutta University. He joined PWD, Tripura in 1984 and superannuated as Superintending Engineer in February 2021. During his service, he was attached to construction works in Roads, Buildings, Drinking Water and Sanitation. He was associated with construction of multistoried building in/c Medical College and also construction of Water Treatment Plants, Iron Removal Plants, Overhead Reservoirs and was also engaged with planning and design of buildings, roads, bridges in PWD.

Er. Debnath is associated with many organizations and has been an active social activist. He is involved in organizational activity since school days. After his superannuation in 2021, he has attached himself

more with activities of professional engineering organizations, namely The Institution of Engineers (India), Indian Buildings Congress (IBC) and Indian Engineers Federation (INDEF).

His long association with Indian Buildings Congress (IBC) (A Professional Organisation connected with built environment) since 1998, when he was enrolled as Life Member. He is the Governing Council Member, IBC since 2002. During 2007-08 and 2008-09, he was the National Executive Committee Member and the National Vice President for the sessions 2019-20, 20-22, 22-23 and 23-24. He had received IBC Outstanding Contribution Award 2009, IBC Presidential Award 2013 and IBC Presidential Award 2022. He was greatly involved in establishment of State / Local Centres of IBC in 16 States and Union Territories, which include Andaman & Nicobar, Hyderabad, Kolkata, Kerala, Assam, Meghalaya, Sikkim, Manipur, Arunachal Pradesh, Nagaland, Uttarakhand, Odisha, Puducherry, Tamilnadu, Sikkim, Himachal Pradesh. He was the Secretary of IBC, Tripura Centre when it was established in 2005 and subsequently was the Chairman of the Centre also. The National Council Meeting of IBC was held in Agartala in 2007 when he

was the Secretary of the Centre. Due to initiation the joint venture programme of IBC, Tripura Centre was organized with various centres of IBC like Assam, Manipur, Mizoram, Nagaland, Arunachal Pradesh, Meghalaya, Sikkim, West Bengal, Tamilnadu.

Er. Chinmay Debnath was President of The Institution of Engineers (India) during the session 2022-23. He was enrolled with the Institution of Engineers (India) in 1986, and got FIE in the year 2013 and has been attached to this century old organization well over three decades. He is involved with Tripura State Centre, IEI since its inception in the year 1989, when it was formed as ad hoc as Agartala Local Centre. He was the Committee Member of Agartala Local Centre during 1993-95 and Joint Honorary Secretary during 1995-97 & 1997-99. During 1999-2001, he was the Honorary Secretary of Agartala Local Centre, which was upgraded to Tripura State Centre in December 2008. During this period, the only SAARC Seminar was organized in Tripura in the year 2000 with participation of representatives from Sri Lanka, Bangladesh, Nepal and India as co-ordinated by FIESCA. During 2013-15, he was the Committee Member of Tripura State Centre; Honorary Secretary of Tripura State Centre during 2015-17. During his tenure, by virtue of organizing large number of technical activities during 2016-17, Tripura State Centre was awarded as Best Centre in C category by IEI. He was elected as the Chairman of Tripura State Centre for the session 2019-22 and has been serving the Council Member of IEI since then. His other important assignments with IEI during 2021-22 includes, Chairman, Centre's Coordination Committee, Member, BoG, Rural Development Forum; Member, Civil Engineering Division Board; Member, Service Rules and Headquarters Management Committee. During 2021-22, he was a Special Invitee in Asset Management Committee. Shri Debnath has attended number of technical events organized by IEI in India as well as Bangladesh & Nepal and also was involved in organizing Joint Programme with other Centres.

Since 1996, he is a Member of Indian Roads Congress, (IRC), a professional organization of Engineers in Roads Sector. He was National Council Member of IRC during 2009-10 & 2010-11. Since 2005, He is a member of Institution of Public Health Engineers (India) (IPHE). He is Vice President of IPHE during 2025-26. He is associated with Indian Engineers Federation (INDEF) [An apex service federation of Graduate Engineers serving in State (37 State / UT) & Central (8 Central Organisations Govt. Service & Undertakings)] since 1987. He was Secretary General of INDEF (undivided Eastern Region) during 2002-2004; Secretary General, INDEF National Body during 2005-2009; President, INDEF (North-Eastern Region) during 2010-2012; Vice President, INDEF National Body during 2016-18; Chairman, INDEF National Body during 2018-2022 and Secretary General of Senior Engineers Forum of INDEF National Body during 2022-24. Since joining in service in 1984, he was the member of State Engineers Association, Tripura (Constituent body of INDEF in Tripura State); Executive Member from 1985; Treasurer in 1995-97; General Secretary in 1997-1998 & Vice President in 2016-18.

He is associated with College Alumni NIT Agartala (Erstwhile Tripura Engineering College) and was in the Students Council of College & also was Vice President of the Alumni Association. He is also associated with School Alumni Netaji Subhas Vidyaniketan and was in the Students Council of School and also was General Secretary of the Alumni Association.

He is member of many other professional organizations like India Society of Engineers (ISE), Kolkata; India Society of Earthquake Technology (ISET), Roorkee and Indian Institute of Bridge Engineers (IIBE), Mumbai. He was the member of American Society of Civil Engineers (ASCE), India Chapter, Kolkata.

Er. Debnath's role and dedication for the development activities of the State of Tripura as well as for the cause of professional upliftment of Engineering fraternity in the Country is praiseworthy and worth emulating.



#### **Er. O.P. Goel, Founder President**

Former Director General (W), CPWD, Er. Goel was the prime force in establishing IBC, brick by brick as Founder President and has vast experience in all facets of Building Engineering which include besides various types of buildings viz. residential, Institutional and Infrastructural and highways, intricate projects like chimneys, towers, dams, barrages, bridges, water supply and sewerage plants in India, Nepal and Iraq. He was President of the Institution of Engineers (India), Indian Institution of Technical Arbitrators and International Council of Consultants. He was Vice-President of Indian Council of Arbitration and Indian Roads Congress. He has been conferred Lifetime Achievement Award by CPWD, IBC and Institution of Engineers (India). He continues to be a guiding force for IBC, giving valuable suggestions.



#### **Er. Mayank Tilak, Vice President**

Er. Mayank Tilak did his BE (Civil Engineering) & ME (Structural Engineering) with Gold Medal from IIT Roorkee (then University of Roorkee). He joined CPWD in 1989 through Combined Engineering Services Examination 1987. During more than 35 years of his service, he has varied experience of working on progressively responsible positions for M/o Housing & Urban Affairs, M/o External Affairs & M/o Home Affairs among other clients. He specialized and contributed in Project Management & Contract Administration; International Projects with State of Art facilities for Govt. of India; Border Infrastructure projects for security & integrity of our country; Quality control of major projects of Common Wealth Games 2010 at Delhi; Techno Legal matters of major projects; design of prestigious buildings i.e. Advocate General, UP, Allahabad & NGMA; Capacity building of direct recruits & in service Engineers & Architects; Investigation of complaints of irregularities in Public works & vigilance matters. He superannuated as Special Director General, CPWD.



#### **Er. Salil Rai Shrivastava, Vice President**

Er. Salil Rai Shrivastava a Civil Engineer BE (Hons), having around 35 years of experience in Urban Infrastructure Planning and Execution. He lead the planning and development of the new city of Nava Raipur Atal Nagar (Naya Raipur) from the beginning. He has also lead the ICT enablement of Infrastructure in Smart City Nava Raipur. He belongs to 1987 batch of UPSC, Engineering Services. He was given Engineer of the Year award for the state of Chattisgarh in 2016. He was selected as one out of 51 Fabulous Global Smart Cities Leaders in the year 2020 by ET Now and CSR. He has vast experience in Telecom construction engineering. Currently, he is Engineer in Chief Nava Raipur Atal Nagar Vikas Pradhikaran. He was also posted as OSD to the Dept. of Hsg & Env. Government of Chhattisgarh between 2020-24. He is a member of the Academic Council of NIT Raipur and ITM University for last many years.



#### **Er. M. Nagaraj, Vice President**

Er. M. Nagaraj did BE from Mysore University in 1974 and ME from Indian Institute of Science, Bangalore in 1976 and MBA from Bangalore University in 1983. He started his career in 1976 as Lecturer from Karnataka Regional Engineering College (NIT), Surathkal, Karnataka. He retired from PWD, Govt. of Karnataka in 2012. He has vast experience of Construction of Aquarium Building at Cubbon Park, Bengaluru; Construction of Institute of Animal Health and Biological Building at Hebbal, Bengaluru. He is Member, Technical



Committee, Rajiv Gandhi University of Health Sciences, Bengaluru; member The Institution of Engineers (India) Kolkata since 1975 and was Council Member. He is Governing Council Member for Indian Buildings congress and was Council Member of Indian Roads Congress.



**Er. Bijoy C. Tripathy, Vice President**

Er. B.C. Tripathy is a graduate in Civil Engineering from NIT, Rourkela and Post Graduate from Loughborough. He retired as E-in-C, works Deptt. in 2021 and worked as CGM (P&C) in IDCO from 2021 to 2024. He is Member of SOA advisory board and Chairman, IBC Odisha Chapter. During his career in Odisha Government, he was instrumental in upgradation, improvement, retrofitting and expansion of sustainable infrastructure in health, industry, road & buildings and played a pivotal role in formulation and implementation of Externally Aided Projects and his expertise led to smooth implementation of many DHHs, MC THs , OSRP, BEW,RCPLWE, Coal Corridor, new industrial areas, OUAT. He was the Nodal officer for Resettlement and Rehabilitation (2011-2016) in OSRP(WBP), post Cyclone Fani (2019) retrofitting and Covid Infrastructure (2020-21). He organized a number of training programme and workshops for capacity building of engineers in the Department and IE (I).

As Chairman of the IBC Odisha State Chapter since Dec24, he has taken various initiatives including Circle Level Technical Seminars, integrating professional bodies and Government Departments and PSUs and intensive membership drive, He has also actively interacted and given valuable inputs with IBC HQ and other state chapters on technical matter. Currently, he is an Infrastructure and Capacity Building Adviser serving as a member of Building Committee in IIT, Bhubaneswar. He is a fellow of IE (I), Life member of Indian Roads Congress and IGTS.



**Er. C.B. Ojha, Vice President**

Er. C.B. Ojha, did Civil Engineering and Master Degree in Transportation Engineering. He has 32 years of work experience working in Engineering Department of Chandigarh holding various posts starting from Sub-Divisional Engineer, Executive Engineer, Superintending Engineer and Chief Engineer. He has completed various major infrastructure projects of Buildings and Roads under Chandigarh Administration. He is an active member of Governing Council of Indian Roads Congress (IRC) and also Life Member of IRC. He has attended various National & Inter-national Conferences and Seminars related to building and road infrastructure. Presently, he is working as Chief Engineer, Union Territory, Chandigarh.



**Er. Toli Basar, Vice President**

Er. Toli Basar is 1<sup>st</sup> Class graduate in Civil Engineer. He is also LLB, MIE (India), FIE & FIRC, Charter Engineer and PhD (Hons.) Highways & Bridges. He joined Arunachal Pradesh, PWD as Assistant Engineer in the year 1984 and worked in various capacities of Govt. of Arunachal Pradesh, PWD. He has been Director cum Chief Engineer Urban Development Housing, Member/Secretary SUDA, Chief Engineer (E/Zone) & Highway. He worked in Highways and bridge development & planning and prepared guideline for Implementation of roads and bridges under the Ministry of Roads, Transports and Highway assigned by IRC. He is associated with Social Base Organisations - Mopin Festival Naharlagun, Solung-Mopin Festival Itanagar etc. He is member of IRC, Indian Institute of Engineers (IIE), Indian Institute of Public Administration etc.

He had been Vice President and President of IRC. He received many awards like Best Citizen of Indian Award, Vikash Ratna Award, State Gold Medal Award from Governor of Arunachal Pradesh.



**Col. (Dr.) Anand Mathialagan (Retd.), Hony. Secretary**

Col. (Dr.) Anand Mathialagan did M.Tech in Quality Management from BITS Pilani and MBA in Disaster Management from Indian Red cross Society, MBA (Human Resources) from Punjab Technical University. He did Diploma in Business Administration (Finance) Symbiosis. He was commissioned in Indian Army in 1991. He served in all three services of Armed Forces, Coast Guard and Defence Ministry. He received commendation for exemplary service while serving in counter insurgency operational area in Kashmir from Chief of Army Staff and commendation for the role played in Kargil Operation from

Commander-in-Chief, Air Force Western Air Command.

He has successfully completed various projects PAN India. Some of the completed major projects are -Infrastructure for Rafel Aircraft at Ambala, Infrastructure at Sukhoi Aircraft at Sirsa, Missile Storage Sheds at Air Force Station Sirsa, Construction of workshop with all services at Heavy Vehicle Factory at Avadi, Pre-Engineer Multistory Corporate office building at UJVNL Dehradun, Laboratory at Agra for Leather Ministry projects. At present, he is Chief Executive Officer of M/s RCC Infraventures Limited Since 2017 and member of Defence Advisory Audit Board since 2021.

**Er. Rajeev Kumar, Hony. Treasurer**



Er. Rajeev Kumar graduated from Aligarh Muslim University and obtained his post-graduate degree from the Indian Institute of Technology, Delhi. He joined the Central Engineering Services in 1993 and has since held several key positions in CPWD. He has served as Institute Engineer at IIT Kanpur, IISER Bhopal, and IIT Delhi, leading numerous prestigious projects across IITs, IISERs, Kendriya Vidyalayas, Navodaya Vidyalayas, ESIC hospitals, the Election Commission, and various Central Armed Police Forces including CRPF, BSF, CISE, and IB. He is widely known for his excellence in project management, timely completion of works, dispute resolution, quality control and assurance, and for introducing new technologies and advanced materials in the construction of

modern building infrastructure. A young, enthusiastic, and hard-working professional, with continuing efforts to set high standards of professionalism in public infrastructure development.

Presently he is serving as the Chief Engineer, Central Public Works Department (CPWD), Ghaziabad.



**Er. Ranjit Kumar Majumdar IAS (Retd.), Executive Member**

Er. Ranjit Kumar Majumdar did graduation in Civil Engineering from Calcutta University and also holds a Master's degree in Soil Mechanics and Foundation Engineering from Guwahati University. He has 47 years of experience in design & construction of Civil Engineering projects. He worked in PWD, Govt. of Tripura for most of his career on several construction projects of building, bridges and earthquake vulnerability assessments & retrofitting of structures. He also worked as Director, Urban Development Department, Govt. of Tripura on being selected in IAS Cadre through UPSC from Non – Civil Service Category. He spearheaded the construction of roads and bridges under

the Pradhan Mantri Gram Sadak Yojana in Tripura as Chief Executive Officer. He is the Life Member of The Institution of Engineers (India), Indian Buildings Congress, Indian Roads Congress and Indian Geotechnical Society. He was also Member of the Highway Research Board, Govt. of India. He has presented many technical papers in the country as well as Nepal & Bangladesh.





**Er. Subhash Dhondiram Chandsure, Executive Member**

Er. S. D. Chandsure is a graduate in Civil Engineering with distinction. As Sub Divisional Engineer worked for the construction Jayakwadi canal, construction of barrage a major high level barrage across Godavari River for Hydro Electric generation purpose. He was felicitated as idealistic Engineer at the hands of Governor of Maharashtra, on Engineers day in 1998. He was also felicitated as Best Life time Gazetted Engineer by the Chief Minister in 2004 and Best Engineer by Ex. CWC Chairman, Er. Madhavrao Chitale, Technical Minister by IEI Aurangabad Local Centre. He is recipient of innumerable certificates of appreciation for executing the Engineering works particular for executing the maintenance & management of irrigation works by the beneficiary farmers by forming societies. He is Chairman IBC Maharashtra Chapter and Executive Committee Member of IBC.



**Er. Satyanarayana Mendu, Executive Member**

Er. Satyanarayana Mendu did B.E. in Civil Engineering and M.E. in Geotechnology. He superannuated as Superintending Engineer, Telangana State PWD (R&B). Iconic Telangana State Secretariat Building was completed under his leadership. He is F.I.E (Fellow of Institute of Engineers India); Chartered Engineer and Chairman Legal Affairs; Governing Council Member. He is Life Member of IBC, IRC, IGC (Indian Geotechnical Society) and ACCE(I).



**Er. Binod Kumar Jha, Executive Member**

Er. Binod Kumar Jha did graduation in Civil Engineering from Bhagalpur College of Engineering (BCE), Bhagalpur, 1984.

In Civil engineering professional he has over 35 years of experience in planning, executing, and managing large-scale infrastructure projects. He joined as Assistant Engineer in 1987 and retired as Superintending Engineer from the Building Construction Department, Government of Bihar. Presently, he is serving as Director (Works & Plant) at Bihar Animal Sciences University, Patna, overseeing development and maintenance of university infrastructure. He is recognized for leadership, technical acumen, and commitment to quality and timely project delivery.



**Er. Suresh Kumar Bairwa, Executive Member**

Er. Suresh Kumar Bairwa did BE (Civil) from Malviya National Institute of Technology (MNIT) Jaipur, Rajasthan. He joined as Assistant Engineer in Public Works Department, Rajasthan in the year 1991. He has vast experience in Building Works of various departments like Police, Revenue, Social Welfare, Hospitals, Medical College & MBS Hospital Kota, PMGSY, Up-gradation of Rural Roads under PMGSY, Bridge Works-Construction of High Level Bridges, National Highways; DPR Preparation & Finalization of GAD of Major High Level Bridges across Rivers. He superannuated as Additional Chief Engineer from Public Works Department, Rajasthan. He is member of IRC and various Social Samities.



**Ar. (Ms.) Alpna Harjai, Executive Member**

Ar. (Ms.) Alpna Harjai did graduation from VNIT, Nagpur in 1995. She is Govt. Approved Valuer and proprietor of Planners & Valuers. She has 25 years experiences in Architecture. She is in the panel of Insolvency & Bankruptcy Board of India (IBBI), COA, IOV, IIA, IGAV, MICA. She has vast experience in Planning and Development of Industrial, Residential and Plotting of Lands. She is associated with Senior Consultants of Structure, Fire, HVAC & MEP. She is Fellow Member of Indian Institute of Architecture (IIA), Institution of Valuer (IOV), Associate Member Institution Govt. Approved Valuer (MIGV) and Member of Indian Council of Arbitration (MICA).

## IBC NEWS

### I. IBC HQ

## Proceeding of the 28th Annual Convention and National Seminar on “Viksit Bharat 2047 and Infrastructure Development”

### Inaugural Session



#### Dignitaries on Dais

The 28<sup>th</sup> Annual Convention and National Seminar on the theme “Viksit Bharat 2047 and Infrastructure Development” was held in Dr. Babasaheb Ambedkar International Convention Center, Nagpur, on Sept. 11-14, 2025. The Inaugural Function was held on Sept. 12, 2025 which was attended by several high ranking dignitaries. Shri Nitin Gadkari, Hon’ ble Union Minister, Ministry of Road, Transport and Highways (MoRTH) was the Chief Guest of the Inaugural Function. Er. C. Debnath, President, IBC; Maj. Gen. Ashok Kumar, AVSM (Retd.), Past President IBC; Er. O.P. Goel, Founder President & Fmr. DG, CPWD; Er. V.R. Bansal, Hony. Secy, IBC & Fmr. CE, MCD; Er. Sambhaji Shivaji Mane, Chief Engineer, Nagpur, PWD; Er. Abasaheb Nagargoje, Secretary, PWD,

Govt. of Maharashtra and other dignitaries were on the dais.



Shri Nitin Gadkari, Hon’ble Union Minister, Ministry of Road, Transport and Highways being welcomed by President, IBC



**Shri Nitin Gadkari, Hon'ble Union Minister, Ministry of Road, Transport & Highways Lighting the Ceremonial Lamp**

The Inaugural Function commenced with lighting of ceremonial lamp by the Chief Guest, Shri Nitin Gadkari joined by other dignitaries.



**Er. C. Debnath President, IBC delivering the address**

The welcome Address was delivered by Chief Engineer, PWD Nagpur. He invited Er. C. Debnath, President, IBC to deliver the address. In his address, Er. C. Debnath thanked the Chief Guest, Shri Nitin Gadkari, Hon'ble Minister of Road Transport & Highways for sparing his valuable time for inaugurating the convention despite his busy schedule. He also thanked all the delegates and participants who had come from across the country to attend the Annual Convention and National Seminar.

Sharing his views, he expressed that he feels honoured to speak today about the Viksit Bharat 2047 and Infrastructure Development. The topic is not only pivotal but profoundly transformative.

He said that the seminar will bring together engineers, architects, researchers, students and professionals

related to Infrastructure Development, to explore transformative ideas, breakthrough technologies and sustainable strategies that will help in making vision of Viksit Bharat 2047 possible.

He said that Indian Buildings Congress strives to bring all professionals on one platform for experience sharing, capacity building and information dissemination. IBC is a professional body connected with built environment and in the last 33 years of its existence, it has come of age and is rendering valuable service to the Country through interaction on the current issues pertaining to Built Environment. As we strive for Viksit Bharat – 2047, innovation becomes not just a choice – but a necessity.



**Shri O.P. Goel addressing the Gathering**

In his address, Shri O.P. Goel, Founder President welcomed the Hon'ble Chief Guest, Shri Nitin Gadkari and dignitaries on the dais and off the dais. He said that Hon' ble Chief Guest has been instrumental in implementing the major infrastructure projects in Maharashtra and all over the country. As Union Minister, he has piloted the development of National Highways and Expressways giving big relief to the transport sector in the Country. He informed the background of formation of Indian Buildings Congress (IBC) and its vision going forward. He informed that IBC does not get any financial support from any Government Body except institutional membership. All building departments of Government of India like



CPWD, MES, Railways, HUDCO, NBCC, CBRI are its institutional members, in addition to all states and many private bodies.



**Shri Nitin Gadkari, Hon'ble Union Minister, Ministry of Road, Transport and Highways (MoRTH) addressing the gathering**

Shri Nitin Gadkari, Hon'ble Union Minister, Ministry of Road, Transport and Highways (MoRTH) while addressing the gathering, mentioned that Research and Training is very important for conversion of knowledge. He advised that construction of road should be such that physically challenged can also avail the facility. He emphasized that cost of construction should be low but without compromising the quality of work. For acceptance of Award of work, lowest bid should not be the only criteria. Past credibility should also be considered.

He emphasized that IBC should ask for financial help from different states for sustainability of Organisation. He assured full support of his Ministry to IBC.



**Dr. V.N. Heggade, Founder & CEO: DECon Complete Solutions delivering the Address**

In the pre-session of technical deliberation, Dr. V.N. Heggade, Founder & CEO: DECon Complete Solutions delivering the Address on "Risk to resilience of Infrastructure Bharat 2047".

He said that infrastructure development is the backbone of construction industry. Our nation will develop by 2047 using new technique in every field.

He elaborated in detail about the climate change and its effects on infrastructure. He gave examples of damages caused due to creeping shrinkage effect on cantilever structure like bridge over river Ganga in Patna. He described about the heat induced damages on railway tracks and bridges due to expansion and contraction. He discussed about the changing behaviour of various kinds of foundations due to rise or fall in ground water table due to Climate change.

He said that the courses available in the universities while designing the project are without considering the effect of climate change. Hence the safety factor is to be recalibrated after considering the effect of climate change. He said that lot of research is required in this direction.

He highlighted that considering the resilience factor is not a cost but an investment.



**Shri K.K. Kapila, Chairman ICT Pvt. Ltd. & Past President, IBC delivering address**

The Chairman of the pre-session was Shri K.K. Kapila, Chairman ICT Pvt. Ltd. & Past President,

IBC delivered address. In his address he mentioned that “Viksit Bharat 2047 and Infrastructure Development” is a multi-disciplinary field. The primary goal of infrastructure development is to create an environment that is sustainable, efficient and conducive to the wellbeing of the people. It requires integration of technical expertise, creativity and community engagement. He urged Planner to consider various factors including population growth, economic trends, environmental constraints & social needs to create comprehensive & adaptable plans for infrastructure development and emphasized that with careful planning and innovative approaches, urban areas can become more livable, sustainable, resilient and ultimately enhancing the quality of life for their residents.

He emphatically mentioned that the collective responsibility of all stakeholders to ensure that infrastructure development should involve in a manner that meet all the needs for present and future generation.

### Release of Technical Publications:

The Ninth issue of IBC Journal and Preliminary Publication containing 14 technical papers on “Viksit Bharat 2047 and Infrastructure Development” were released by Shri Nitin Gadkari, Hon’ble Union Minister, Ministry of Road, Transport and Highways (MoRTH).



IBC Journal and Preliminary Publication being released by Shri Nitin Gadkari, Hon’ble Union Minister, Ministry of Road, Transport and Highways (MoRTH)

### IBC Life Time Achievement Award - 2024-25

IBC Life Time Achievement Award 2024-25 was awarded to Shri Gian P. Mathur Managing Director,

Gian P. Mathur & Associates, Delhi and Prof Sudhir Kumar Tewatia, Chairman & Managing Director of Tewatia Edu-Globe (TINCA), Jaipur.



Shri Gian P. Mathur receiving the Life Time Achievement Award

**Ar. Gian P. Mathur:** Ar. Gian P. Mathur is a renowned architect and visionary, with over 45 years of distinguished experience in architecture, urban planning, and project management. He has been associated with IBC since long and contributed immensely.



Prof S. K. Tewatia, CMD, Tewatia Edu-Globe (TINCA), Jaipur receiving the Life Time Achievement Award

**Prof S. K. Tewatia:** Born in Village Janauli (Haryana), son of Shri Hari Ram Tewatia and Smt. Krishna Devi, Prof. Sudhir Kumar Tewatia is a distinguished academician, researcher, author, and institution-builder with more than four decades of contribution to civil and geotechnical engineering. He earned his B.Tech. in Civil Engineering from IIT Delhi in 1984, followed by an M.Tech. from IIT Roorkee where he was awarded the Gold Medal, and subsequently completed his Ph.D. in Geotechnical Engineering

under the eminent guidance of Prof. P. R. Bose (DTU, then DCE) and Prof. A. Sridharan (IISc Bangalore).

## Outstanding Contribution to IBC Award - 2024-25

Outstanding Contribution to IBC Award - 2024-25 was awarded to Dr. K. M. Soni, Fmr. ADG, CPWD and Prof. J. Bhattacharjee, Fmr. Joint Director General, IHQ, MoD (Army).



Dr. K. M. Soni, Fmr. ADG, CPWD receiving the Outstanding Contribution to IBC Award

**Dr. K. M. Soni :** Dr. K.M. Soni is an eminent scholar, possessing degrees of BE, M. Tech, MBA, and PhD. He joined CPWD through Central Engineering Group A Services in 1983 and worked in various parts of the country. He superannuated from CPWD as Addl DG in July 2019 thus having experience of over 36 years in planning, construction and maintenance of building projects.

As a member of Indian Buildings Congress, he has been very active in authoring and disseminating knowledge to the engineering fraternity through IBC Journals and Seminars of the IBC. Dr. Soni has won IBC best project trophies, best paper medals, and commendation certificates on many occasions.



Dr. J. Bhattacharjee, Fmr. Joint Director General, IHQ, MoD (Army) receiving the Outstanding Contribution to IBC Award

**Dr. J. Bhattacharjee:** Dr. J. Bhattacharjee holds a Ph.D. in Civil Engineering from Sri Venkateswara University (2017), M.Phil. from the University of Madras (2011), M.Tech. in Structural Engineering from IIT Madras (1984), and a B.E. in Civil Engineering from B.E. College, Sibpore, Calcutta University (1971). With over five decades of distinguished experience in civil and structural engineering, he has held senior positions in academia, consultancy, and government.

A long-time contributor to the Indian Buildings Congress (IBC), he has played a key role in various initiatives and served as its Treasurer during 2006-07.

## Smt. Satya Goel Memorial Award

IBC has also constituted Smt. Satya Goel Memorial Award which is given every year to Outstanding Woman professionals. Smt. Satya Goel Award – 2024-25 has been awarded to Ms. Khushboo Bansal, Principal Architect, STHAPATI

**Ms. Khushboo Bansal :** A graduate of the University of Nottingham with a specialisation in Sustainable Tall Buildings, Khushboo has redefined the firm's approach to design by interweaving sustainability, contextual relevance and innovation.



Ms. Khushboo Bansal receiving Smt. Satya Goel Memorial Award

Ms. Khushboo contribution is pivotal in shaping the firm's design philosophy and operational framework. She specialises in sustainability and interiors and brings extensive international experience, having worked for years in London on major projects such as the Westfield developments and the Sheffield Master Plan.



## Excellence in Built Environment Award

IBC has constituted award for excellence in Built Environment. Following projects were awarded the Trophies for the year 2024-25. The Trophies were given to the awardees by the Chief Guest, Shri Nitin Gadkari, Hon'ble Union Minister, Ministry of Road, Transport and Highways (MoRTH).

1. Trophy awarded for the Project of '**Infosys Office Campus-Nagpur**'. Shri Barani P. Karthik, Senior Associate, Operations received the Trophy.
2. Trophy awarded for the Project of '**Behar Riverfront, Rewa**', a project by Madhya Pradesh Housing & Infrastructure Development Board, Bhopal.
3. Trophy awarded for the Project of '**The Aishwaryam**' Residential Quarters for Staff of Hon'ble Governor House, New Delhi, a project by Roads & Building Department, Govt. of Gujarat.
4. Trophy awarded for the Project of '**Construction of main Campus of IIT Jammu (Phase-1C) on EPC basis at Jagti, Jammu**', a project by CPWD. Er. Vijay Kumar, Chief Engineer & Executive Director (IIM & IIT Jammu) received the Trophy.
5. Trophy awarded for the Project of '**Construction of New Pamban Bridge in Rameswaram**' Tamil Nadu, a project by Rail Vikas Nigam Limited, New Delhi. Shri B.K. Reddy, CPM (Coordination) Chennai & Shri P.V. Sai Prasad, CPM Secunderabad received the Trophy.
6. Trophy awarded for the Project of '**Marathwada Rail Coach Factory**' Latur, a project by Rail Vikas Nigam Limited, New Delhi. Shri B.K. Reddy, CPM (Coordination) Chennai & Shri P.V. Sai Prasad, CPM Secunderabad received the Trophy.
7. Trophy awarded for the Project of '**Telangana State Secretariat**', Hyderabad, a project by Ponni, Oscar & Rahul Architects, Chennai. (Dr.) Smt. Ponni M Concessao received the Trophy.
8. Trophy awarded for the Project of '**All India Institute of Medical Sciences, Kalyani, West Bengal**', a project by NBCC (India) Limited, New Delhi. Shri B.R. Modak, GM (Engg.) received the Trophy.
9. Trophy awarded for the Project of '**Construction of Multi Storied commercial spaces at GPRA colony at Nauroji Nagar, New Delhi**', a project by NBCC (India) Limited. Shri R.P. Singh, CGM (Engg.) received the Trophy.
10. Trophy awarded for the Project of '**Construction of College of Horticulture & Forestry at Thenzwal**', Mizoram, a project by CP & DS Associates, Ghaziabad (U.P.). Ar. Yogesh Chhabra received the Trophy.
11. Trophy awarded for the Project of '**Calve College, Pondicherry & V.O. Chidambaranar Govt. School, Puducherry**', a project by Savani Heritage Conservation, Mumbai. Dr. Ram Savani received the Trophy.

## IBC Commendation Certificates for Excellence in Built Environment

IBC also recognizes and issues Commendation Certificate for Excellence in Built Environment. Commendation certificates for Excellence in Built Environment for the year 2024-25 have been given to the following recipients:

1. **Design, Development and Implementation of Geothermal Based Heating & Cooling System at Jhansi Military Station under CE Bhopal Zone:** Lt. Col. S. Susairaj, SO1 (Wks) Chief Engineer, HQ Chief Engineer Bhopal Zone received the Commendation Certificate.
2. **Atal Sarovar, Rajkot Smart City:** INI Design Studio, Ahmedabad.
3. **Brooks Arthaus, Bhimtal:** Ar. Nilanjan Bhowal, Principal Architect, M/s Design Consortium, New Delhi received the Commendation Certificate.

## Gallery of Awardees of Excellence in Built Environment and Commendation Certificate





Shri V.R. Bansal, Hony. Secretary, presenting the Vote of Thanks

Vote of Thanks was presented by Shri V.R. Bansal, Hony. Secretary, IBC. He thanked Shri Nitin Gadkari, Hon'ble Union Minister, Ministry of Road, Transport and Highways (MoRTH) for consenting to grace this function and sparing his valuable time. He also thanked all delegates coming from different parts of the country to attend Seminar. The Inaugural Session concluded with National Anthem.

## Musical-Evening

A Musical Programme in the evening was held on 12<sup>th</sup> Sept., 2025 in Dr. Babasaheb Ambedkar International Convention Center, Nagpur which was enjoyed by large number of participants of the Convention. The Musical programme was followed by Dinner.



View of Musical Programme

## Technical Session I

### General

The Technical Session-I was held on September 13, 2025 at Dr. Babasaheb Ambedkar International

Convention Center, Nagpur. The session was chaired by Er. B.C. Tripathy, Fmr. E-in-C, Works Dept., Govt. of Odisha; Er. K.M. Godbole, Fmr. Chief Engineer, CIDCO as Co-Chairman and Shri Viraj Vasudev, Architect as Rapporteur of the Session. The Chairman, Co-Chairman and the Rapporteur of the session were welcomed by presenting flower of bouquet.

### Paper Presented

First presentation was presented by Er. K.T. Gurumukhi, Fmr. Chief Planner, Govt. of India Ministry of Housing and Urban Affairs on the topic '**Nagpur Region – An Emerging Alternate Second Capital of India**'.

His paper suggested to decentralize some of the government functions, offices, public sector undertakings, autonomous bodies, corporate office out of Delhi which have no direct role in Delhi. Thus the suggestions with strong justification has been made to give attention to the central part of India which will balance the development, generate employment benefitting the economic development to the people of the country.

Next presentation was by Dr. Pawan Kumar, Town and Country Planning Organization, MoHUA who made a presentation on the topic '**Green and Blue Infrastructure Development in Urban Areas: Challenges & Opportunities**'.

In his presentation, he highlighted the urgency to focus on blue green urban infrastructure. Green and Blue Infrastructure (GBI) are characterized as "Green-Blue Urban Grids" by embracing storm water management, climate adaptation and multifunctional green space. A typical blue-green infrastructure project may have several socio economic and environmental benefits but its implementation in brown field city and creation of new GBI is a challenging task for ULBs. In socio-ecological context, planning and design of urban green spaces create socio-environmental integrity whereas socio-blue economy provides social and economic sustainability to the communities through various micro economical activities.



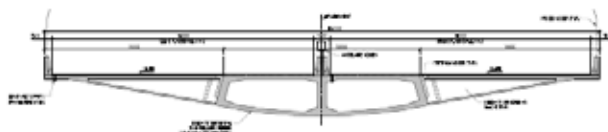
## Invitee Speaker

Prof. Mahesh Tandon, Chairman, Tandon Consultants Pvt. Ltd., Invitee Speaker, delivered the lecture on the topic '**Challenges of Construction in Urban Environment**'.



Prof. Mahesh Tandon delivering the lecture

He mainly highlighted the underground Metro Construction Work - the constraints of site, existing buildings, utilities and operating existing infrastructure like roads and tunnels. Management of space below and above ground level plays an important role in this process. Citing the various projects in which he was involved like DMRC, Chennai Metro, Kochi, Nagpur double decker viaducts. Prof. Tandon highlighted the significance of safety guiding technology. Modern methods like vulnerability mapping and zooming of existing buildings before construction of D-walls in Metro, Settlement Prediction Monitoring, Secant piling etc.-



The Nagpur Double Decker

Safety during construction: Road users, construction workers



Collapse of Wing in Construction Stage

## The Issue of Alignment



Cast-In-Situ 4-Span Segmental Construction  
(38.5M+55.0M+38.5M+38.5M)



Coordination of Simultaneous Construction of  
Two Mega Projects requires detailed planning  
Not a pretty sight!!!

## Innovative Erection Technique to avoid Traffic Disruptions



Barapulla Long Spans: Simultaneous Progress  
of both carriage ways by cantilevering



Underground Station in difficult conditions



Multiple levels below ground

Next presentation was presented by Dr. Aqil Ahmed, Executive Engineer (Civil), Municipal Corporation of Delhi on **‘The Role of Bulk Waste Generators in Delhi’s Solid Waste Management: Legal Framework and Implementation Gap’**. He elaborated the management of legacy waste and streamlining the Solid Waste Management in cities, drawing example of practices in New Delhi Municipal Corporation.

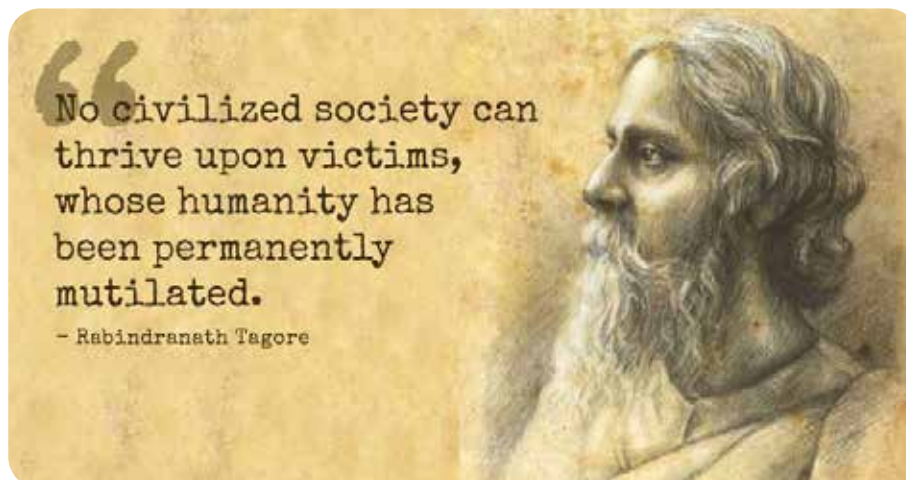


Challenge: unbalanced earth pressure TBM launching shaft

Delhi’s bulk waste generators (BWGs) including residential societies, institutions, and commercial establishments contribute to municipal solid waste generation and management. Focusing on the legal provisions under the Solid Waste Management Rules, 2016, and Delhi’s local legislations, it explores the regulatory obligations assigned to BWGs for source segregation, storage, and handover of waste to authorized systems.

### Summing Up

The session was summed up by Er. B.C. Tripathy, Fmr. E-in-C, Works Dept., Govt. of Odisha. He briefly gave a gist of the papers presented in the session and highlighted the importance of **“Viksit Bharat 2047 and Infrastructure Development”**.





## Felicitation Gallery – Technical Session - I

The authors as well as the Chairman and Co-chairman of the Session were felicitated by presenting mementos by Maj. Gen. Ashok Kumar, AVSM (Retd.).



Memento being presented to  
Prof. Mahesh Tandon



Memento being presented to  
Dr. Aqil Ahmed



Memento being presented to  
Er. K.T. Gurumukhi



Memento being presented to  
Er. B.C. Tripathy, Chairman



Memento being presented to  
Dr. Pawan Kumar



Memento being presented to  
Er. K.M. Godbole, Co-chairman



## Technical Session II

### General

The Technical Session II was held on Sept. 13, 2025 at Dr. Babasaheb Ambedkar International Convention Center, Nagpur. The session was chaired by Er. R. K. Majumder IAS, Former Director, Urban Development Dept. Tripura. Er. Ashok Gaikwad, Hony. Secretary Maharashtra State Chapter was the Co-Chairman and Shri P.G. Redekar, Architect was the Rapporteur of the Session. At the outset, the Chairman, Co-Chairman and the Rapporteur of the session were welcomed by presenting flower of bouquet.

### Invitee Speaker

Shri Deepankar Chowdhury, Prof. in Civil Engineering, IIT Mumbai, Invitee Speaker, delivered the lecture on the topic '**Foundation Solutions in Mega-Infrastructure in India towards Viksit Bharat 2047**'.

In his presentation, he talked about Mega Structures like bridges, buildings, power plants, tunnels etc.

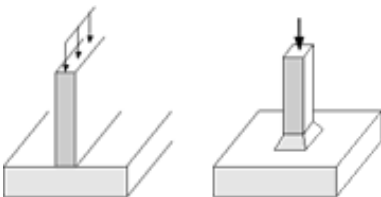


**Deepankar Chowdhury delivering the lecture**

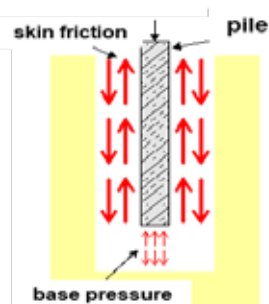
He discussed many challenges faced in earthquake, Tsunami, Cyclone, landslide and flood prone regions. He described in detail the various combination of composite foundations – shallow (raft) + Deep (pile) foundation and its classification.

### Foundation systems>Foundation

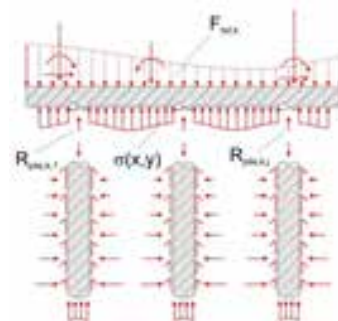
**Shallow foundations**  
( $D_f \leq B$ )  
e.g. Isolated footing,  
Spread footing, Raft etc.



**Deep foundations**  
( $D_f > B$ )  
e.g. Pile foundation,  
Caisson etc.



**Deep foundations**  
( $D_f > B$ )  
e.g. Pile foundation,  
Caisson etc.

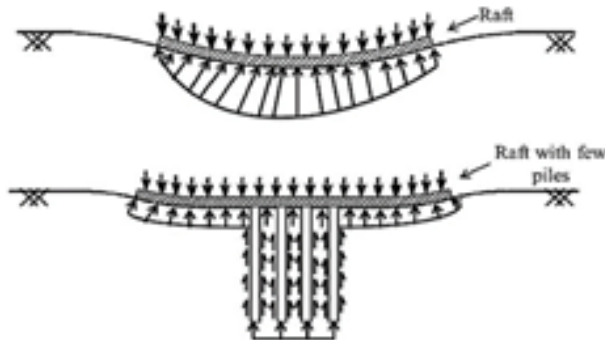


## Introduction

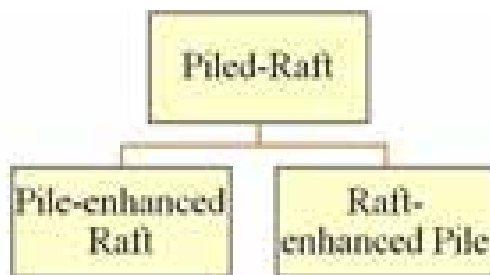
### Overview of Combined Pile Raft Foundation

**CPRF (Composite foundation) – Shallow (raft) + Deep (pile) foundation**  
Reduces settlement (through soil-structure interaction)

Reduces differential settlement and lateral deflection (raft provide stiffness against load)



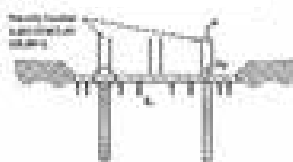
#### • Classification of Combined Pile-Raft Foundation:



Schematic Representation of Two Types of Piled-raft:

Load sharing mechanism of CPRF (after Kumar et al., 2017)

Pile -enhanced raft



Piles located to reduce shear and bending in raft  
Pile capacity fully mobilised

Raft-enhanced pile group



Piles at larger spacing than conventional pile group  
Piles located to minimise differential settlement

Schematic Representation (after O'Brien et al., 2012)

He elaborated the provisions of New BIS Code IS: 19117 on CPRF (combined Piled – Raft Foundations)

### World's Tallest Free-standing Structures

YEAR	STRUCTURE NAME	HEIGHT	COUNTRY
2560 BC	The Great Pyramid of Giza	146 m	Egypt
1311	Lincoln Cathedral	160 m	United Kingdom
1549	St. Mary's Church in Strasbourg	151 m	Germany
1569	Beauvais Cathedral	153 m	France
1647	Strasbourg Cathedral	142 m	France
1874	St. Nikolai Church	147 m	Germany
1876	Cathédrale Notre-Dame de Reims	151 m	France
1880	Cologne Cathedral	157 m	Germany
1884	Washington Monument	169 m	USA
1889	Eiffel Tower	300 m	France
1930	Chrysler Building	319 m	USA
1931	Empire State Building	381 m	USA
1967	Ostankino Tower	540 m	Russia
1975	CN Tower	553 m	Canada
2007	Burj Khalifa	830 m	UAE
2026	Kingdom (Jeddah) Tower	1007 m	Saudi Arabia

He highlighted about world's tallest buildings and ranking of India

### Global Rank of India for High-rise Buildings



He shared the importance of various field tests for foundation specially the pile Load Tests

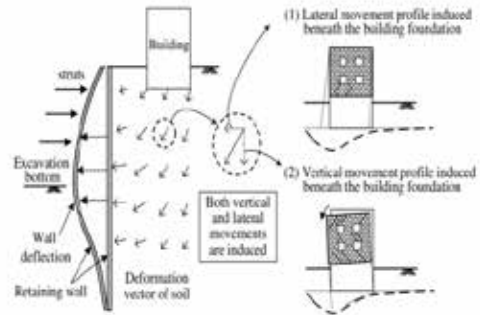
## Field Test on Foundations - Pile load tests



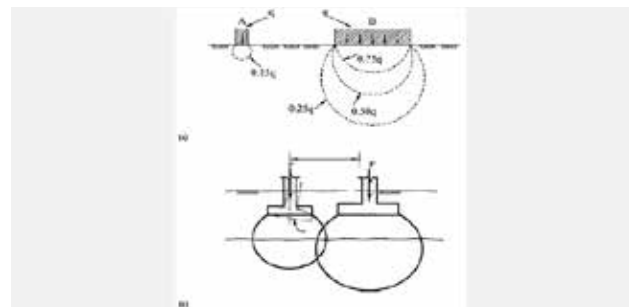
Enhanced pile load tests using Osterberg Cells



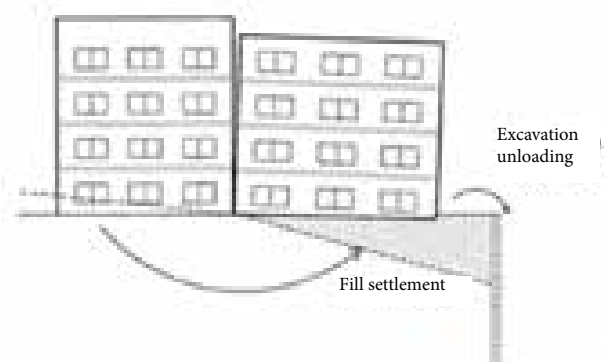
## Effects of Adjacent Structures / Constructions



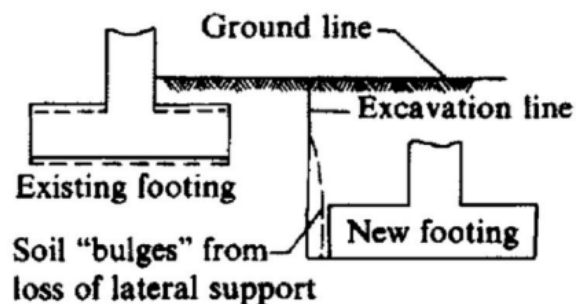
Excavation effects on adjacent buildings (Tang, 2014)



Overlap of pressure bulb (Eslami, 2007)



Instability due to closely spaced structures (Eslami and Moghaddasi 2018)



Settlement due to lack of retaining wall (Bowles, 1997)



## Few Good Practices – Things to do

- The number of boreholes needs to be adequately decided, so that crucial information like change of soil layer, presence of buried structure, perched aquifers, and others, do not go undetected.
- Geotechnical sampling should be performed by experienced personnel who are familiar with the sampling methods, safety precautions, and relevant standards.
- The analysis and design of foundations should not involve assumed soil parameters. Parameters should be experimentally obtained, preferably field.
- Ground water level needs to be appropriately determined, with seasonal fluctuations and climate conditions.
- Field tests such as Footing load test, Pile load test, HSDT etc. should be performed considering overall safety of the project.
- Proper load combinations such as (DL + LL + WL) and (DL + LL + EQL) must be also considered for the foundation analysis in addition to (DL+LL).
- Serviceability conditions based on settlements must be ensured.
- Interference between foundations of multiple nearby structures must be checked.

## Concluding Remarks

- The collaboration between geotechnical and structural engineering is vital, as it allows for the optimization of the building's design and contributes to the safety, stability, and functionality of high-rise buildings.
- To mitigate the effect of extreme loading conditions such as earthquakes and wind loads, proper loading conditions must be used. Ground improvement techniques and seismic isolation devices need to be used if necessary to enhance

tall buildings' seismic performance.

- Proper geotechnical field and laboratory tests are necessary for high-rise buildings to ensure the safety, stability, and durability of the structure.
- By conducting thorough geotechnical investigations, engineers can make informed decisions and implement appropriate measures to support the successful construction and long-term performance of high-rise buildings.
- Indian standards codes and guidelines are necessary for the foundation design of high-rise structures in India to ensure safety, legal compliance, consistency, consideration of local conditions, quality assurance, and international recognition.

## Papers Presented

Presentation on the topic '**Viksit Bharat@ 2047: Vision, Challenges and Roadmap for Infrastructure Development**' by Dr. K. M. Soni, Fmr. ADG, CPWD.

He emphasized that India faces many natural and man-made disasters, causing massive losses of the resources, lives and property. Earthquakes, cyclones, flash floods, droughts, landslides, avalanches, cloud bursts, poor drainage systems, forest and building fires, road, train and air accidents, and collapse of buildings, bridges and highways lead to massive economic loss. If the same is not controlled, goal of "Viksit Bharat" cannot be achieved. Losses in infrastructure projects also occur due to time over-run, poor quality work, poor maintenance, and unauthorised unsustainable development.

Next presentation was presented by Dr. Prakash R. Mutyala, Director, Institute of Development Planners and Research India, Gujarat on the topic '**A Need for Technology and Innovation Excellence with Reference to National Water Supply Management and Viksit Bharat 2047 and Infrastructure Development**'.

He mentioned that India has largest sources of water in the World. However, optimization in terms

of appropriate utilization is lacking and this short coming calls for the Technology and Innovation Excellence to focus on attaining equilibrium condition of the demand and supply of water resources and consumption.

Next presentation was presented by Er. Aditya Sanyal, PhD. Research Scholar, Department of Architecture & Planning, Gautam Buddha University, Greater Noida (U.P.). The presentation was on the topic '**Innovative Facade Materials: Redefining Thermal Comfort in Residential Buildings**'. He mentioned that the facade of a residential building is pivotal for achieving thermal comfort and energy efficiency. Traditional

construction methods often lead to high energy consumption due to poor thermal performance, necessitating innovative solutions. We delve into the application of Phase Change Materials (PCMs), which store and release latent heat to stabilize indoor temperatures, drastically reducing heating and cooling loads.

### Summing up

The proceedings of Session was summed up by Er. R. K. Majumder IAS, Former Director, Urban Development Dept. Tripura, the Chairman of the session. He mentioned that it was an excellent session.

## Felicitation Gallery – Technical Session – II

Er. C. Debnath & President, IBC, felicitated the authors, the Chairman and the Co-Chairman of the Session by presenting mementos.



Memento being presented to  
Er. R.K. Majumdar, Chairman



Memento being presented to  
Er. Deepankar Choudhury



Memento being presented to  
Dr. K.M. Soni



Memento being presented to  
Er. Aditya Sanyal



## Technical Session III

### General

The Technical Session III was held on Sept 13, 2025 at Dr. Babasaheb Ambedkar International Convention Center, Nagpur. The session was chaired by Er. Salil R. Shrivastava, Engineer-in-Chief Nava Raipur Development Authority, Raipur as Chairman; Dr. Vijay Kumar Thube, Fmr. CE, PWD as Co-Chairman and Er. Purushottam P. Doijode, Director, Wks Mgt Wg, MES as Rapporteur of the Session. The Chairman, the Co-Chairman and the Rapporteur of the session were welcomed by presenting flower of bouquet.

### Invitee Speakers

Er. Amit Barde, Head of Precast Initiative (B&F), L&T, Invitee Speaker delivered the lecture on the topic **‘Modern Trends in Building Construction – New Mantra of Mechanisation and Digitisation’**.



Er. Amit Barde delivering the lecture

Er. Amit Barde mentioned about the utility of modern technologies in building infrastructure and development. He elaborated the precast technology being used in Metro Rail, High Speed Rail, Airports etc. He mentioned that we should adopt mechanization and digitations for fast development of infrastructure. He discussed Mid Storey Building and High Rise Buildings.

He talked about modular construction that includes

prepainted panel, pumped coupler layout, precast parapet, cost effective HCS joint grouting. He talked about Hostel PPVC Construction that includes prefinished rooms like Painting, Tiling, Window, Door, Plumbing and Electrical fixtures. Modular Design ready to transport and assemble for faster construction. He also elaborated Building MEP, Rebar Cage Robot System Layout etc.

Ar. Abhishek Deshpande, Sthapatya Veda Architectural Invitee Speaker delivered the lecture on the topic **‘Modern Trends in Building Construction – New Mantra of Mechanization and Digitization’**.



Memento being presented to

Ar. Abhishek Deshpande, Invitee Speaker

Ar. Abhishek Deshpande talked about land of architectural structure and how to develop it. He mentioned that architectural structure constructed during Mughal Empire was based on technology of the ancient time that should be modernized. We should adopt New Mantra of Mechanisation and Digitisation.

### Papers Presented

First presentation was presented by Shri Nishant Prakhari, Chief Architect and Planners; GPM Architects and Planners, New Delhi on the topic **‘Border Infrastructure for Regional Development Leveraging Integrated Check Posts for Economic Integration and Inclusive Growth In India’s Remote Areas’**. In his presentation, he mentioned that this research examines how Integrated Check Posts (ICPs) can act as catalysts for regional development,

economic integration, and inclusive public architecture in India's remote border areas, with particular focus on the Northeast. Through an analysis of the Sabroom Landport in Tripura, the study shows how border infrastructure can move beyond security and trade facilitation to become multimodal nodes of inclusive growth. Using a mixed-methods approach combining policy analysis, design evaluation, and comparative case studies, the findings reveal that inclusively designed ICPs can unlock local economic potential, enhance mobility, and create dignified civic spaces for marginalised populations.

Second presentation was presented by Ms. Geeta Saha, Assistant Professor, Dayalbagh Educational Institution, Agra, UP on the topic '**Mitigating Urban Heat in Indian Cities: A Synergistic Approach to Urban Biodiversity, Blue-Green Infrastructure and Net-Zero Cooling for Viksit Bharat 2047**'. In her presentation, she mentioned that India's urban centers face intensifying Urban Heat Island (UHI) effects, necessitating innovative cooling policies and sustainable urban planning to achieve resilient, low-carbon cities by 2047. This paper explores urban biodiversity, blue green infrastructure (BGI), and net-zero cooling strategies to mitigate urban heat. Urban biodiversity, through green corridors and urban forests, enhances thermal regulation and ecological resilience. BGI, incorporating green roofs, reflective pavements, and revitalized urban water bodies, reduces ambient temperatures while improving stormwater management. Net-zero cooling strategies integrate passive architectural design, energy-efficient cooling technologies, and renewable energy systems to minimize carbon emissions. Despite challenges like land scarcity, high implementation costs, and policy gaps, opportunities arise from government

initiatives and advancements in technologies such as cool roof ing and smart ventilation systems.

Third presentation was jointly presented by Ms. Anwesha Ghosh, Final Year Undergraduate Student, Department of Architecture & Planning, NIT, Raipur and Dr. Debashis Sanyal, Head of Department, Department of Architecture & Planning, NIT, Raipur on the topic '**Reclaiming Neglected Urban Fragments: Scalable Strategies for Inclusive and sustainable infrastructure in Viksit Bharat 2047**'. In their presentation they mentioned that India looks toward its centenary in 2047, urban areas will face unprecedented challenges from spatial fragmentation and land scarcity to social exclusion and environmental degradation.

By addressing the challenges and opportunities inherent in these forgotten spaces, the research proposes actionable approaches that align with India's urban missions such as the Smart Cities Mission and AMRUT 2.0 and contribute directly to the goals of Viksit Bharat 2047.

## Summing up

The session was summed up by Er. Salil R. Shrivastava, Chairman. He briefly gave a gist of all papers presented in the session and highlighted the importance of "**Viksit Bharat@ 2047 & Infrastructure Development**".

He thanked all the authors for presenting very illuminating and illustrative presentation in Technical Session III. Audience during the session heard the presentation attentively. At the end there were questions raised from the audience that was answered by the Authors.

## Felicitation Gallery – Technical Session – III

As a token of appreciation for their presentation, Mementos were presented to the authors, Chairman & Co- Chairman by Er. O.P. Goel, Fmr. DG (W), CPWD & Founder President, IBC.



Memento being presented to  
Er. Salil R. Shrivastava,  
Chairman



Memento being presented to  
Dr. Vijay Kumar Thube,  
Co-Chairman



Memento being presented to  
Er. Purushottam P. Doijode,  
Rapporteur



Memento being presented to  
Er. Amit Barde, Invitee  
Speaker



Memento being presented to  
Anwesha Ghosh &  
Dr. Debashis Sanyal



Memento being presented to  
Sh. Nishank Prakhar



Memento being presented to  
Ms. Geeta Saha



## Technical Session IV

### General

The Technical Session IV was held on Sept 14, 2025 at Dr. Babasaheb Ambedkar International Convention Center, Nagpur. The session was chaired by Er. Mayank Tilak, Fmr. SDG, CPWD as Chairman. Er. Shamu Tapre, Fmr. SE, PWD was the Co-Chairman and Er. Sandeep Shende, SDE, PWD was the Rapporteur of the Session. The Chairman, the Co-Chairman and the Rapporteur of the session were welcomed by presenting flower of bouquet.

### Invitee Speaker

Dr. Alok Bhowmick, Managing Director, B & S Engg. Consultants Pvt. Ltd., Invitee Speaker delivered the lecture on the topic '**Challenges, Opportunities & Development in Urban Areas**'.

He mentioned about the India's 5-Point Climate Action Plan and the commitments which cannot be fulfilled without active involvement of Civil and Structural Engineers. Design & Construction Practice must include more and more sustainable development measures.

He elaborated the impact of Global CO<sub>2</sub> emission. It is noteworthy that the building & Construction sector accounts for about half of the global carbon footprint. Industrial Production, Transportation & Agriculture are some of the other major contributors.

He informed that India can reach its non-fossil energy capacity to 500GW by 2030 and meet 50% of its energy requirements from renewable energy. India will try to reduce the total projected carbon emission by one billion tonnes from now to 2030.

## Papers Presented

First presentation was presented by Er. Akshay Sanyal, Research Scholar Department of Architecture Gautam Buddha University, Greater Noida (U.P.) on the topic **‘Building a Sustainable Future: An Integrated Approach using Digital Systems, Bio-Based Materials and Green Hydrogen’**. In his presentation, he mentioned that in a world where resource depletion and the climate problem are getting worse, innovative technologies are essential for achieving sustainable development. By synthesizing insights from academic literature, policy reports, and case studies, three key areas of transformative potential have been identified. First, these technologies can drive energy decarbonization by enabling the integration of renewables, advanced energy storage, and smart grid systems. Second, they can foster material and industrial innovation through the use of bio-based composites, additive manufacturing, and circular economy models. Finally, they can facilitate a socio-digital transformation by leveraging data-driven governance and AI-enabled cross-checking and decision-making. These innovations are not stand-alone solutions but rather catalysts that require anticipatory governance, interdisciplinary collaboration, and context-specific deployment to truly foster a sustainable, low-carbon future.

Second presentation was jointly presented by Er. V.R. Bansal, Fmr. CE, MCD and Hony. Secy., IBC and Dr. Aqil Ahmed, Executive Engineer (Civil) MCD on the topic **‘Streamlining Construction Permits in Delhi:**

## **Single-Window Reforms Transforming ‘Doing Business’**”.

In their presentation, they critically examines the reforms implemented in Delhi’s construction permit system under the Government of India’s Ease of Doing Business (EoDB) initiative, with a particular focus on the Online Building Permission System (OBPS), a single-window clearance mechanism and associated reforms, including Unified Building Byelaws (UBBL 2016). The reforms have improved efficiency, accountability, and transparency, while contributing substantially to India’s rise in the World Bank’s Doing Business rankings. The Delhi’s experience offers a scalable and replicable model of urban governance innovation, continued stakeholder engagement, system integration, inclusive implementation, and feedback-driven policy refinement will be essential to sustain and improve this transformation in the coming years.

Third presentation was presented by Er. Rajesh Kumar Das, Additional Secretary to the Govt. of Tripura on the topic **‘R&D for Frontier Technologies for the Future: Paving the Way for Viksit Bharat 2047 in Infrastructure Development’**”.

In his presentation, he mentioned that India’s vision of Viksit Bharat by 2047 envisages a Developed Nation with robust, sustainable infrastructure that supports economic growth, environmental resilience and societal well-being. At the heart of this transformation lies Research and Development (R&D) in Frontier Technologies, which are poised to revolutionize infrastructure sectors such as construction, urban planning, transportation and energy systems.

He discussed the critical role of R&D in advancing technologies like Artificial Intelligence (AI), Internet of Things (IoT), Block chain, 3D Printing and Green Innovations for infrastructure. Drawing from recent policy frameworks, including the Anusandhan National Research Foundation (ANRF) and NITI Aayog’s initiatives, it examines India’s current R&D landscape, key challenges such as low investment and



digital divides and strategic opportunities through public private partnerships. By fostering innovation in smart cities, multimodal transport and sustainable buildings, R&D can address urban challenges and drive inclusive development.

### Summing up

The session was summed up by Er. Mayank Tilak, Chairman. He briefly gave a gist of all papers presented

in the session and highlighted the importance of “**Viksit Bharat@ 2047 & Infrastructure Development**”.

He thanked all the authors for presenting very illuminating and illustrative presentation in Technical Session IV. Audience during the session heard the presentation attentively. At the end there were questions raised from the audience that was answered by the Authors.

## Felicitations Gallery – Technical Session – IV

As token of appreciation for their presentation, Mementos were presented to the authors by the Er. C. Debnath, President, IBC.



Memento being presented to  
Er. V.R. Bansal



Memento being presented to  
Dr. Aqil Ahmed



Memento being presented to  
Er. Rajesh Kumar Das



Memento being presented to  
Er. Akshay Sanyal

## Valedictory Session – September 14, 2025



Dignitaries on Dais

The Valedictory Function of 28<sup>th</sup> Annual Convention and National Seminar on “Viksit Bharat 2047 & Infrastructure Development” was held on September 14, 2025 in Dr. Babasaheb Ambedkar International Convention Center, Nagpur. Er. Krishna Jangde, Fmr. Secretary, PWD Maharashtra was the Chief Guest of the Valedictory Function. Er. Sambhaji Shivaji Mane, Patron, Organising Committee & Chief Engineer, PWD Nagpur. They were joined on the dais by Er. C. Debnath, President, IBC; Shri O.P. Goel, Founder President, IBC; Shri V.R. Bansal, Hony. Secretary, IBC and Shri I.S. Sidhu, Executive Director, IBC & Chief Rapporteur. The Chief Guest was welcomed with flower of bouquet.

The Valedictory function started with the Welcome Address by Er. C. Debnath, President, IBC.

Er. C. Debnath, President, IBC delivering the welcome address. He mentioned that Public Works Department, Govt. of Maharashtra jointly with Indian Buildings Congress, Maharashtra State Chapter organised 28<sup>th</sup> Annual Convention and



Er. C. Debnath, President, IBC delivering the Welcome Address

National Seminar on “Viksit Bharat 2047 and Infrastructure Development” of IBC on 11-14 Sept., 2025 at Nagpur.

He said that the seminar will bring together engineers, architects, researchers, students and



professionals related to Built Environment, to explore transformative ideas, breakthrough technologies and sustainable strategies that are redefining how we design, build and inhabit our spaces.

Indian Buildings Congress strives to bring all professionals on one platform for experience sharing, capacity building and information dissemination. IBC is a professional body connected with built environment and in the last 33 years of its existence, it has come of age and is rendering valuable service to the Country through interaction on the current issues pertaining to Built Environment. This seminar is one more in the unstinted series of Technical activities such as Seminars, Workshops, Training Programme, Technical Talk, Publications etc.

A Souvenir has been published on the occasion and it is a pride to present this Souvenir as a token of appreciation and remembrance of the enriching experience shared at the Seminar on 'Viksit Bharat 2047 and Infrastructure Development'.

He congratulated the IBC Maharashtra State Chapter for organising the 28<sup>th</sup> Annual Convention and National Seminar.



Er. Krishna Jangde, Fmr. Secretary, PWD Maharashtra,  
Chief Guest delivering the Address

Er. Krishna Jangde, Fmr. Secretary, PWD Maharashtra was the Chief Guest in the Valedictory Session. While

delivering the Address, he mentioned that building construction is a very critical issue. He discussed about the problems in RMC specially in transportation process of RMC. In other hand plasticizer and super plasticizer is good while using it. He mentioned that self compacted concrete is good for work.

He talked about flooding of metropolitan cities. He said that reason for flooding in metropolitan cities is poor drainage system. We should improve the drainage system to control the floods in metropolitan cities. He said that the participation of engineers in such seminars should be much more.



Er. O.P. Goel, addressing the Gathering

Shri O.P. Goel, Founder President, IBC while addressing mentioned that the topic of 28<sup>th</sup> Annual Convention and National Seminar on "Viksit Bharat 2047 and Infrastructure Development" is a major attribute of Construction Industry. Construction Industry has taken a great leap in the new millennium. We have entered a new phase in the era of globalization and liberalization with new techniques, new concepts, new materials & computer aided designs, highly sophisticated construction equipment and machinery, varieties of grades of cement, steel and other materials which are revolutionizing the Construction Scenario in the Country. Infrastructure

Development is a huge challenge for our country to make it a developed nation.

He said that many aspects of development will be discussed in the technical sessions of the Seminar. He extended his best wishes for the success of 28<sup>th</sup> Annual Convention and National Seminar.

### **S.P. Jakhanwal Best Paper Award**

The S.P. Jakhanwal Best Paper Award for paper published in IBC Journal on “Time Management in Construction Contracts”, released during 27<sup>th</sup> Annual Convention and National Seminar on “Challenges & Innovations in Urban Planning & Development” held on July 13-16, 2024 at New Delhi was given to Dr. Karthikeyan Saminathan, Director AI & Software Development, MINE, Bangalore; Er. Ranil Mukesh M J, Dept of AIML, KPR Institute of Engg & Technology, Coimbatore and Er. Akshay B.R., Intel Innovator for the paper “Advancing Structural Inspection through AR/VR: Drone-Assisted Flaw Detection in Civil Engineering” jointly authored by them.

### **IBC Best Paper Awards**

IBC Awards for Best paper presented during 27<sup>th</sup> Annual Convention and National Seminar on “Challenges & Innovations in Urban Planning & Development” held on July 13-16, 2024 at New Delhi was given to following authors :-

- (i) Dr. Pawan Kumar, Associate TCPO, MoHUA and Ms. P. Jyotika, Student of Indira Gandhi Delhi Technical University for Women (IGDTUW), Delhi for their paper “Public Transport during Health Crisis: Challenges and innovations”.
- (ii) Dr. K.M. Soni, Former ADG, CPWD for the paper “Climate Change and Drainage Challenges in Urban Planning & Development”.
- (iii) Ms.V. Shobhana, Director, MES for the paper “Towards Climate Conscious Urban Development – Risks, Adaptation, Mitigation and Urban Resilience”.

### **IBC Young Professional Award (below 35 years)**

IBC Young Professional Award for the Best paper presented during 27<sup>th</sup> Annual Convention and National Seminar on “Challenges & Innovations in Urban Planning & Development” held on July 13-16, 2024 at New Delhi was given to Ms. Devibhuti, M. Arch Scholar, National Institute of Technology Hamirpur for the paper “Impact of Urban Morphology on the Main Market Street of Bilaspur (H.P.)”.

### **IBC Commendation Certificate for Best Paper presented**

IBC Commendation Certificate for Best Paper presented during 27<sup>th</sup> Annual Convention and National Seminar on “Challenges & Innovations in Urban Planning & Development” held on July 13-16, 2024 at New Delhi were given to the following authors :-

- Dr. Prof. B. P. Suneja, Dean Faculty of Engineering & Architecture Rajasthan Technical University for the paper “Seismic Retrofitting of Historical Buildings using Structural Control”.
- Shri Hitendra Mehta, CMD Mehta & Associates LLP, Indore and Ms. Ayusha Batham, Urban Planner at Mehta & Associates LLP, Indore for their paper “Challenges & Innovations in Urban Planning for Climate Resilience”.
- Ms. Usha Batra, Former SDG, CPWD for the paper “Climate Change and Resilience”.



## Gallery of Best Paper Awardees and Commendation Certificate



Dr. K.M. Soni receiving  
IBC Medal



Ms. V. Shobhana receiving  
IBC Medal



Dr. Prof. B. P. Suneja receiving  
Commendation Certificate

### IBC Presidential Awards

IBC Presidential Awards for 2024-25 was presented by the Chief Guest, Er. Krishna Jangde, Fmr. Secretary, PWD Maharashtra to Er. B.C. Tripathy, Fmr. E-in-C Government of Odisha & Chairman of the IBC Odisha State Chapter for his commendable contribution to IBC.



Er. B.C. Tripathy receiving the Award



Er. I.S. Sidhu, Chief Rapporteur presenting the Recommendations

preservation to meet the climate commitments of India through increased use of renewable energy, improved resource, management and adoption of technology.

- Strengthening of efforts in water conservation, pollution control and sustainable urban planning with support long term resilience.
  - India's leadership in global climate action will enhance its strategic influence while ensuring a healthy environment for future generations.
2. Taking essential infrastructure development on National Mission mode such as sewerage and water supply, climate change and drainage, smart cities, green energy and environment sustainability as the major goals of Viksit Bharat 2047.

### Recommendations

Shri I.S. Sidhu, Executive Director, IBC and Chief Rapporteur briefed the gathering about the important issues brought out by the learned presenters in the Technical Sessions on "Viksit Bharat 2047 & Infrastructure Development" and presented the Recommendations of the Seminar. The recommendations are as under:

1. Environmental sustainability is a fundamental pillar of Viksit Bharat 2047, accordingly there is need for balancing development with ecological

3. Traditional construction methods play an important role in the development of country, but they are no longer sustainable compared to modern techniques.
4. Traditional methods may also cause significant environmental concerns for using high energy and excessive water, creating dust pollution having a large carbon foot print.
5. These issues may be addressed with the use of proper architectural plan in construction having green building concept; easier and quicker/faster method of construction with precast wall, slabs etc. and pre-engineered building technology.
6. Local recycling of MSW generated by the bulk generators such as residential societies, institutions and commercial institutions through support of Municipal Corporations acting as enablers.
7. India's urban centers face intensifying Urban Heat Island (UHI) effects, necessitating innovative cooling policies and sustainable urban planning to achieve resilient, low-carbon cities by 2047. Effectively mitigating urban heat requires a multi-dimensional strategy that integrates ecological restoration, climate-responsive design, robust policies, and empowered local communities.
8. Green and Blue infrastructure (GBI) may be recognized as a tool for mitigating the impacts of urban heat islands, flooding, water scarcity, rapid storm water runoff, etc. The bioswales, rain gardens, etc. as landscape elements need to be created for capturing, filtering and infiltrating storm water runoff along roadsides and in open spaces, parks, etc. Furthermore, blue-green action plan with innovative solutions like blue and blue-green roofs, painting of roof surfaces, walls to absorb rainwater, reduce storm water runoff, etc. need to be implemented by the Urban Local Bodies. Apart from green spaces, planting more trees, creating new urban forests, use cool pavements through using light-colored or reflective pavements to reduce heat absorption are important to moderate surface temperatures for urban cooling effects.
9. The Vision of Viksit Bharat @ 2047 demands a radical transformation of Artificial Intelligence (AI)-Powered Road Infrastructure Artificial Intelligence (AI) can redefine the future of India's road sector. This call for a paradigm shift:
  - From manual planning to intelligence machine aided methods. AI analysis satellite imagery, LiDAR data, traffic and demographic data to forecast mobility needs and optimize alignment.
  - From reactive maintenance to predicted asses management.
  - From conventional traffic system to adaptive real time mobility solution.
  - From one time construction to life cycle sustainability.
  - From Conventional Project Management to AI-agent based, real time performance monitoring.
10. Development of world-class infrastructure to drive sustainable growth, improve climate resilience and enhance the quality of life for all through Transit-Oriented Development (TOD), better Urban planning by way of, designed, well roads, bridges and blue-green urban infrastructure to withstand disasters promote use of recycled construction materials and encourage prefabricated modular construction, promote green buildings, energy-efficient retrofits and circular economy practices with zero-landfill goals.
11. The bulk waste generated from residential societies, institutions and commercial establishments contribute to municipal solid waste generation and management. Key barriers include lack of enforcement, limited awareness, inadequate infrastructure at generator

premises and coordination challenges among stakeholders.

12. Local recycling of MSW generated by the bulk generators such as residential societies, institutions and commercial institutions through support of Municipal Corporation acting as enablers.
13. Developing Indian cities by way of project-based interventions towards holistic development, with locally adaptable and participatory approach be implemented.
14. There is a need of reform in construction permit system under the Government of India's Ease of Doing Business (EoDB) initiative. The Online Building Permission System, a single window clearance mechanism and associated reforms, including Unified Buildings Byelaws as intimated in Delhi and Mumbai can be followed. The Unified digital platform, introduction of deemed approvals and greater reliance on automated scrutiny can help in this direction.
15. India has largest sources of water in the World. However, optimization in terms of appropriate utilization is lacking and this short coming calls for the Technology and Innovation Excellence to focus on attaining equilibrium condition of the demand and supply of water resources and consumption.

Water-sensitive urban design with dual plumbing, rainwater harvesting, and treated wastewater reuse will reduce dependence on municipal supply.

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18. The Vision of Viksit Bharat @ 2047 demands a radical transformation of Artificial Intelligence (AI)-Powered Road Infrastructure Artificial Intelligence (AI) can redefine the future of India's road sector. This call for a paradigm shift:
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  - From reactive maintenance to predicted asses management.
  - From conventional traffic system to adaptive real time mobility solution.
  - From one time construction to life cycle sustainability.
  - From Conventional Project Management to AI-agent based, real time performance monitoring.
19. Along with the regional development, focusing on economic integration, and inclusive growth in the Northeast regions and remote border areas by way of mixed-methods approach combining policy analysis, inclusive design evaluation enhancing mobility and creating modern civic spaces.
20. Decentralization of public and private head offices in different regions of the country may be established for a balanced infrastructure growth.
21. Inclusion of frontier technologies such as additive manufacturing, digital systems, bio design, green hydrogen, and quantum computing for advancing sustainable development by way of reducing carbon intensity.



## Vote of Thanks



Er. V.R. Bansal, Honorary Secretary, IBC  
proposing Vote of Thanks

Er. V.R. Bansal, Hony. Secretary, IBC presented the Vote of Thanks. He thanked Er. Krishna Jangde, Fmr. Secretary, PWD Maharashtra for consenting as Chief Guest to grace this function and sparing his valuable time. He heartfully thanked Er. Sambhaji Shivaji Mane, Patron Organising Committee & Chief Engineer, PWD Nagpur. He also thanked Er. C.

Debnath, President, IBC for his tireless contribution and involvement. He thanked Founder President, Er. O.P. Geol who has been the source of inspiration. At the end he profoundly thanked the gathering of professionals and luminaries who attended the Valedictory Function in a large number. He expressed his heartiest thanks to all for making this event a grand success.

Valedictory Session concluded by National Anthem.

## Musical-Programme

A Musical Programme was held on 14<sup>th</sup> Sept., 2025 in Dr. Babasaheb Ambedkar International Convention Center, Nagpur which was enjoyed by large number of participants of the Convention.



View of Musical Programme



The staff of IBC Headquarter welcome the President, Er. C. Debnath  
on his 1st. visit to IBC Headquarter on 26th Sept., 2025



## 28th Annual General Meeting



28th Annual General Meeting in Progress

28<sup>th</sup> Annual General Meeting of IBC was held on September 13, 2025 in Dr. Babasaheb Ambedkar International Convention Centre, Nagpur. Besides the normal business, the following members of IBC were elected/nominated to serve on Governing Council for the year 2025-26, under various clauses of IBC Rules.

### 10.1.1. Designated Members –

10.1.1.1	Shri Satinder Pal Singh	Director General, CPWD
10.1.1.2	Lt. General Arvind Walia, AVSM	Engineer-in-Chief, IHQ of MoD
10.1.1.3	Shri Naveen Gulati	Member Infrastructure, Railways
10.1.1.4	Shri Sanjay Kulshrestha	CMD, HUDCO
10.1.1.5	Shri Subhashish Panda, IAS	Vice- Chairman, DDA
10.1.1.6	Prof. R. Pradeep Kumar	Director, CBRI
10.1.1.7	Shri O.P. Goel	Founder President & Former DG(W), CPWD
10.1.1.8	Past President of IBC (Last 3 years)	
i)	Er. C. Debnath	Fmr. SE, Tripura PWD
ii)	Maj. Gen. Ashok Kumar, AVSM	DGW(Retd), IHQ of MoD
iii)	Er. Vijay Singh Verma	Director(Tech), MPSTDC & Fmr E in Chief, MP PWD
10.1.1.9	Immediate Past Hony. Secretary, IBC (Last 3 years)	
i)	Shri V.R.Bansal,	Fmr. CE, MCD
ii)	Shri Rajeev Kumar Gupta	Fmr. CE, CPWD
10.1.1.10	Chairmen of Chapters of IBC which have more than 100 Members	
i)	Chairman, IBC Bihar Chapter	Shri Rakesh Kumar
ii)	Chairman, IBC Chhattisgarh Chapter	Dr. Debasis Sanyal
iii)	Chairman, IBC Chandigarh Chapter	Er.C.B.Ojha
iv)	Chairman, IBC Gujarat Chapter	Shri Harish Chandra
v)	Chairman, IBC Telangana Chapter	Er. Ramesh A.N.

vi)	Chairman, IBC Rajasthan State Chapter	Sh. K. C. Meena
vii)	Chairman, IBC Tamil Naidu Chapter	Er. S. Manikandan
viii)	Chairman, IBC Punjab Chapter	Er. Vipin Kumar Bansal
ix)	Chairman, IBC Haryana Chapter	Er. Anil Kumar Dahiya
x)	Chairman, IBC Kota Chapter	Er. Hemant Kr. Sharma
xi)	Chairman, IBC MP Chapter	Er. Shaligram Baghel
xii)	Chairman, IBC Odisha Chapter	Er. Bijoy Chandra Tripathy
xiii)	Chairman, IBC West Bengal	Prof Arun Kumar Chakraborty
xiv)	Chairman, IBC Tripura Chapter	Er. Bimal Das
xv)	Chairman, IBC Karnataka Chapter	Er. M. Ganesh
xvi)	Chairman, IBC, Maharashtra Chapter	Er. Subhas D. Chandsure
10.1.1.11	Heads of Pillars Sh K.P. Mahadevaswamy	CMD, NBCC (India) Limited
<b>10.1.2.1</b>	<b>Representative of Nominated Members</b>	
	<b>Representative from Ministry of Rural Development</b>	
	Shri Shakti Kant Singh,	Director, Deptt. Rural Development
<b>10.1.2.2</b>	<b>Representatives of participating Administration from States &amp; Union Territories</b>	
i)	Chandigarh	Shri C.B. Ojha, CE - cum - Special Secretary, Chandigarh Administration, UT of Chandigarh.
ii)	Himachal Pradesh	Er. Anita Kathuria, Chief Engineer
iii)	Karnataka	Shri K. Mohan, CE (Retd), K. PWD
iv)	Tripura	Er. Sanjoy Kr. Das, CE (Building)
<b>10.1.2.3</b>	<b>Representative of</b>	
	Building Materials & Technology Promotion Council (BMPTC)	Dr. Shailesh Kumar Agarwal, Executive Director
<b>10.1.2.8</b>	<b>Addl. Representative of Founder members</b>	
	CBRI	Dr. Ajay Purushottam Chourasia
<b>10.1.2.9</b>	<b>Representative of NBCC (India) Limited</b>	Shri Aditya Chandra, Chief GM (Engg)
<b>Elected Members (Under Rules 10.1.3.1 to 10.1.3.10.)</b>		<b>10.1.3.7 (iv) – Representatives of Consulting Engineers</b>
<b>10.1.3.1 (i) – Representatives of Development Authorities which are Institutional Members of IBC</b>		(i) Shri P.S. Chadha and
Er. Salil R. Shrivastava from Naya Raipur Development Authority.		(ii) Shri Bapan Debnath
<b>10.1.3.5 (ii) – Representatives of Builders Associations (other than the Builders Association of India and Builders Federation of India), who are Institutional Members of IBC</b>		<b>10.1.3.8 (v) – Representative from Public Health Engineering, Electrical Engineering and Mechanical Engineering.</b>
Er. Parduman Ahuja, Central Builder Association.		(i) Public Health Engineering - Shri Kripan Ayudh Roy
<b>10.1.3.6 (iii) - Representatives of Architects</b>		(ii) Electrical Engineering - Shri Rajiv Sharan Saxena
Ms. Alpna Harjai		(iii) Mechanical Engineering, Col Onkar C. Bhandurge

#### 10.1.3.9 (vi) - Representative of Town Planners

- (i) Ar. Purushottam P Doijode.

#### 10.1.3.10 (vii)– Ordinary members of IBC and representatives of Institutional Members of IBC

##### 1. Delhi

- (i) Shri Sanjeev Bansal
- (ii) Shri Sudhir Kumar
- (iii) Shri Ashok Kumar Gautam

Appoint Auditor for the year 2025-26.

M/s P.K. Chadha & Co., Chartered Accountants appointed as the Statutory Auditors for the financial year 2025–26, on a remuneration same as that of the previous year of Rs.80,000/-.

## 111<sup>th</sup> Governing Council Meeting

The 111<sup>th</sup> Meeting of Governing Council of IBC was held on 14<sup>th</sup> September, 2025 in Dr. Babasaheb Ambedkar International Convention Centre, Nagpur, Maharashtra. The following important decisions were arrived at during Council Meeting.

- **To Elect President for the year 2025-26**

Immediate past President, Maj. Gen. Ashok Kumar, AVSM Fmr. DG (W), E-in-Cs Branch, IHQ of MoD (Army) proposed the name of Er. C Debnath, Fmr SE (Bldg), Tripura PWD as President of IBC for the year 2025-26.

GC unanimously approved the proposal for electing Er. C. Debnath, as President who has been re-elected.

- **To Elect Six Vice Presidents for the year 2025-26**

On proposal of outgoing Executive Committee Meeting, Er. C. Debnath, President, IBC proposed and Governing Council unanimously approved the names of Er. Mayank Tilak, Fmr.

SDG Border, CPWD; Er. Salil Rai Shrivastava, Engineer-in-Chief, Nava Raipur Atal Nagar; Er. C.B. Ojha, Chief Engineer, Chandigarh Administration; Er. Bijoy Chandra Tripathy, Fmr. E-in-C, Odisha Works & Chief General Manager P&C, IDCO; Shri M. Nagaraj, FIE, Consulting Civil Engineer and Dr. Toli Basar, as Vice Presidents for the year 2025-26.

- **To Appoint Hony. Treasurer for the year 2025-26**

Er. C. Debnath, President, IBC proposed the name of Er. Rajeev Kumar, Chief Engineer, CPWD as Hony. Treasurer, IBC for the year 2025-26.

Governing Council unanimously approved the name of Shri Rajiv Kumar as Hony. Treasurer, IBC for the year 2025-26.

- **To Appoint Hony. Secretary for the year 2025-26**

Shri C. Debnath, President, IBC proposed the name of Col. (Dr.) Anand Mathialagan (Retd.) as Hony. Secretary, IBC for the year 2025-26.

Governing Council unanimously approved the name of Col. (Dr.) Anand Mathialagan (Retd.) as Hony. Secretary, IBC for the year 2025-26.

- **Co-opt 18 members to the New Governing Council under the provision of Rule 10.4.2 of the Rules & Regulations of IBC.**

Er. C. Debnath, President, IBC briefed the GC that under provisions of Rule 10.4.2 of Memorandum of Association of IBC, 18 members are to be co-opted to the new Governing Council including four ladies and two young professionals.

During the meeting, the following three names were proposed by the President for co-opting as GC member, as they are Office bearers of IBC,

1. Col.(Dr.) Anand Mathialagan (Retd.)
2. Er. Rajiv Kumar, Chief Engineer, CPWD

3. Er. Mayank Tilak, Fmr. SDG Border, CPWD  
GC unanimously approved the above co-opted persons as Governing Council Members for the year 2025-26.

## 200<sup>th</sup> Executive Committee Meeting of IBC

The following important decisions were taken in the 200<sup>th</sup> meeting of the Executive Committee for the year 2024-25 held on 14<sup>th</sup> September, 2025 at Nagpur, Maharashtra. As per Rule No. 12.1 of MoA of IBC following members have been nominated as EC members.

- |                      |  |
|----------------------|--|
| 1. Western Region    | Er Subhash Dhondiram Chandsure, Maharashtra                            |
| 2. Southern Region   | Er. Satyanarayana Mendu, SE (Retd.), R& B Deptt, Telangana             |
| 3. Northern Region   | Er. Suresh Kumar Bairwa Fmr Addl. Chief Engineer, Rajasthan PWD        |
| 4. Eastern Region    | Er. Binod Kumar Jha, Fmr SE, BCD                                       |
| 5. North East Region | Er. Ranjit Kumar Majumder, Former Director, Urban Development, Tripura |

## National Seminar on Infrastructure Development in North East Region of India and 109th Governing Council Meeting held on 18-20 July, 2025

The National Seminar on “Infrastructure Development in North East Region of India”, organized by Indian Buildings Congress (IBC), Tripura Centre, was successfully held from 18th to 20th July 2025 at Pragna Bhawan, Agartala. This event was conducted along with the 109th Governing Council Meeting of IBC. The seminar was co-organised by the Ministry of DoNER, Government of India, Public Works Department, Rural Development Department & Urban Development Department, Government of Tripura (as Institutional Member of IBC.) Tripura Tourism Development Corporation Ltd, Agartala Municipal Corporation & Supported by IEI, Tripura State Centre, IPHE Agartala Regional Centre, SEAT, ATDEA and ASSET.

### Objective:

The primary aim of the seminar was to deliberate upon challenges, opportunities, and strategies for accelerated and sustainable infrastructure

development in the North Eastern Region, focusing on connectivity, housing, public utilities, environment, and innovation.

### Participation:

Total delegates: 300+ representing various states and organisations.

Delegates included: Eminent engineers, policy makers, academicians, technocrats, and administrators.

### Key Participants:

1. Prof. (Dr.) Manik Saha, Hon’ble Chief Minister of Tripura as Chief Guest & Inaugurator.
2. Er. Animesh Debbarma, Hon’ble Minister for Science & Technology Deptt, Govt. of Tripura as Guest of Honour in the Valedictory Session.
3. Sri Purna Ch. Jamatia, Hon’ble Chief Executive Member, TTAADC as Chief Guest in the Technical Sessions – II.



4. Sri Dipak Majumdar, Hon'ble Mayor, AMC & also Member, Tripura Legislative Assembly as Chief Guest & Inaugurator of Exhibition.
5. Er. Kiran Gitte, IAS, Secretary, PWD, Govt. of Tripura as Special Guest in the Valedictory Session.
6. Er. Abhisekh Singh, IAS, Secretary UD & RD Deptt, Govt. of Tripura as Special Guest in the Valedictory Session.
7. Er. Sanjeeva Kr. Janjua, Asset Manager, ONGC Ltd, Tripura Asset as Special Guest.
8. Sri Anil Kotmire, GM, NABARD, Tripura
9. Er. O. P. Goel, Founder President, IBC and Former DG, CPWD.
10. Er. V. Suresh, Fmr CMD, HUDCO & Past President, IBC as Key Note Speaker.
11. Er. C. Debnath, National President, IBC, New Delhi.
12. Er. V. S. Verma, Past President, IBC and Fmr. Engineer-in-Chief, PWD Madhya Pradesh.
13. Dr. Debasish Bandyopadhyay, Professor & Fmr. Head, Deptt. of Construction Engg., Jadavpur University, Kolkata invited Speaker
14. Er. Sanjay Pant, DDG, BIS, New Delhi as Invited Speaker.
15. Er. Raj Chakraborty, Spl. Commissioner, PWD (NH & Building) Assam.
16. Er. S. K. Vij, Fmr. Member (Engg) Railways, GoI.
17. Er. Devendra Gill, Executive Director, Delhi Metro Railway as invited Speaker.
18. Er. R. K. Majumdar, Former Director, UDD, IAS(Retd),
19. Er. V. R. Bansal, Hony Secretary, IBC.

20. Er. Pradeep Mitra Manjunath, Engg-in-Chief, Karnataka.

And Senior engineers from PWD, RD, UD, AMC, Tripura Tourism Development Corporation Ltd., TSECL, TTAADC, Railways, and CPWD.

### Press Meet Briefing:

A Press Meet was conducted on 17<sup>th</sup> July 2025 at the Netaji Chowmuhani, PWD Complex, Agartala to brief the media about the upcoming National Seminar on “Infrastructure Development in North East Region of India” and the 109<sup>th</sup> Governing Council Meeting of IBC.



Press Meet in Progress

The press meet was addressed by Er. C. Debnath, President, IBC; Er. O. P. Goel, Founder President, IBC and Former Director General, CPWD; Er. Shyamlal Bhowmik, Chairman, IBC Tripura Centre; Er. R. K. Majumdar, Past Chairman, IBC, TC, & IAS (Retd), Ex Director, UDD and Er. Biswajit Das, Convenor, Organising Committee.

The dignitaries shared detailed information about the event schedule, objectives of the seminar, participation from across the country, and its significance for infrastructure growth in the North East region. Members of both print and electronic media were present, and the meet received wide media coverage.

## Inaugural Session



Dignitaries on dais during Inaugural Session

- ❖ The Inaugural Session of the National Seminar on “Infrastructure Development in North East Region of India” was held on 18th July 2025 at 4:30 PM in Hall No. 1, Pragna Bhawan, Agartala. The session was graced by the Chief Guest Prof. (Dr.) Manik Saha, Hon’ble Chief Minister of Tripura.
- ❖ The programme began with an Opening Song performed by members of IBC, setting a warm and cultural tone for the event.
- ❖ The Welcome Address was delivered by Er. Shyamlal Bhaumik, Chairman, IBC Tripura Centre & Organising Chairman, who welcomed all dignitaries, delegates, and participants to the three-day event.



Er. Shyamlal Bhowamik, Chairman, IBC, Tripura Centre during Welcome Address

- ❖ The seminar was inaugurated ceremonially with the lighting of the lamp by the Chief Guest and other dignitaries on the dais.



Hon’ble Chief Minister, Tripura, Prof (Dr.) Manik Saha inaugurating the National Seminar by lighting of ceremonial Lamp

- ❖ A significant highlight was the release of the Seminar Souvenir along with the Built Environment publication of IBC, marking a symbolic beginning to the event’s knowledge-sharing objectives.
- ❖ Er. C. Debnath, National President, IBC (New Delhi), and Er. O. P. Goel, Founder President, IBC, addressed the gathering with inspirational words on IBC’s mission and the importance of regional infrastructure development.
- ❖ The Chief Guest, Prof. (Dr.) Manik Saha, Hon’ble Chief Minister of Tripura, delivered the inaugural speech, appreciating IBC’s effort in

hosting such a significant national-level seminar and encouraging collective contribution toward the infrastructure growth of North East India.



**Hon'ble Chief Minister, Tripura, Prof(Dr.) Manik Saha  
addressing the gathering**

In his initial remark the Hon'ble Chief Minister stated that, the stage, pace and level of growth and development of any sector primarily depends on the availability of facilitating infrastructure. Infrastructure matters a lot for growth which is well recognized and widely understood amongst researchers and policy makers. The physical infrastructure includes roads, airports, highways, power projects, Water Supply, urban infrastructure all of which together hold the key for the growth of this region. The Govt is working to remove the basic needs deficits of the region with the rest of the Country. Roads are the underlying foundation for the entire economic development of the North East Region. Due to the geographic and sometimes due to strategic reason, railways, and air services could not be the means to take care as much as road network can. The region is covered with forest land, therefore construction of roads in most of the cases are required huge deforestation. The working season in the region is very short due to long rainy season in the region. Also there are lack of expertise among implementing agencies and availability of skilled workers. Inspire of all such difficulties the region is maintaining 9,984 Km National Highways and constructed 79,638 KM, roads under PMGSY.

North East Railway Connectivity project is a multiphase railway connectivity project in North East India which comprises states of Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland and Tripura and it also includes the State

of Sikkim. This Railway project is considered as strategically important for India because it connects all border states in this region and also close to ASEAN countries. Thus strategic Railway lines is important for this region. The region currently has 6,829 of Rail Network mostly in the State of Assam. Also to develop tourism in this region railways is major medium which tours passengers with major location like Kamakhya Temple, Guwahati, Kaziranga National Park in Assam, Unakoti in Tripura, Tripura Sundari Temple at Udaipur, Tripura, Cherrapunji in Meghalaya, Dimapur in Nagaland etc. locations.

Hon'ble Chief Minister mentioned that, North East is in the severe most Earthquake Zone of India. So, construction of High Rise Building is a challenge. He appreciated that, even then Engineers in the region are constructing Earthquake Resilient Buildings with a great challenge. He informed that, in Agartala a High Rise Office Building of B+G+14 storied using modern technology of Base Isolation with Triple Friction Pendulum is being constructed which would be able to sustain Earthquake Force up to 8.5 Richter Seale and may be the first building in North-East India with such kind of technology being used.

The North Eastern Region (NER) of India, Comprising eight states, is witnessing significant advancements in its power sector through various new projects aimed at harnessing its substantial hydroelectric and renewable energy potential.

NER is often referred to as India's "Powerhouse" due to its massive hydropower potential. With increasing emphasis on renewable energy, the region can play a pivotal role in meeting India's clean energy targets.

The Hon'ble Chief Minister lastly once again mentioned that, the North East Region, with its unique Geographical and Cultural Identity, requires focused and resilient infrastructure strategies to ensure balanced development. He wished that the seminar will promote awareness, research, and

practical approaches that support the vision of a stronger better connected North East.



Er. V. R. Bansal, Hony. Secretary, IBC presenting the vote of thanks

The session concluded with a Vote of Thanks delivered by Er. V. R. Bansal, Hony. Secretary, IBC, expressing gratitude to all dignitaries, participants, organisers, and sponsors.



Er. V. Suresh, Former CMD, HUDCO delivering the key-note-address

This was followed by a Keynote Address by Er. V. Suresh, Former CMD, HUDCO & Past President, IBC, who spoke on “Green Buildings”, highlighting the need for sustainability and energy efficiency in future infrastructure.

The session ended with a Closing Song and the IBC Geet, sung by members of IBC, and the National Anthem, creating a resonant and respectful closure to the inaugural proceedings.

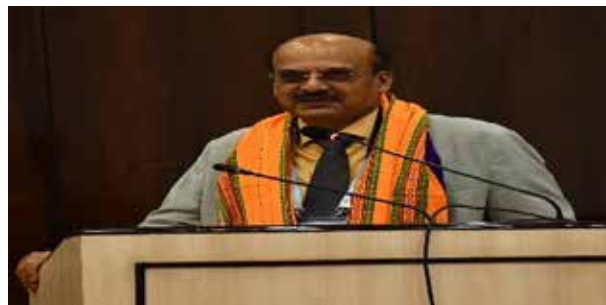
### Technical Sessions:

As part of the National Seminar on “Infrastructure Development in North East Region of India”, a total of 3(Three) technical sessions were organized, focusing on various critical aspects of infrastructure growth in the region.

### Technical Session – I

The first technical session commenced at 9:00 AM on 19th July 2025 at Pragna Bhawan, following breakfast. The session was structured to address core issues related to structural and connectivity development in the North East.

- ❖ Session Chairman: Er. M. S. Roy, Former Chief Engineer (Civil), ONGC, Co-Chairman: Er. Jibesh Dutta, HoD (Civil), TIT, Agartala, Rapporteurs: Er. Debabrata Debbarma, Executive Engineer, PWD and Er. Rupak Das, Assistant Engineer, PWD.
- ❖ The session began with a Welcome Address by Er. Sibashish Bhattacharjee, Organising Secretary & Hony. Secretary, IBC Tripura Centre, who outlined the objective of the session and welcomed all participants and dignitaries.



Er. V. S. Verma, Past President, IBC Addressing the gathering

- ❖ Special Guest Address was delivered by Er. V. S. Verma, Past President, IBC and Former Engineer-in-Chief, PWD Madhya Pradesh, who emphasized innovation in public infrastructure and the role of civil engineers in national development. This was followed by the Technical Presentations:





**Dr. Debasish Bandyopadhyay, Invited Speaker**

- ❖ Invited Speaker Dr. Debasish Bandyopadhyay, Professor & Former Head, Dept. of Construction Engineering, Jadavpur University, Kolkata presented a thought-provoking session on “High Rise Buildings”, highlighting design strategies, safety, and urban applicability.

### **Technical Session – II**

The second technical session of the National Seminar commenced at 11:00 AM on 19th July 2025 at Pragna Bhawan, following a short tea break. This session focused on multi-sectoral infrastructure development initiatives and inter-state cooperation.



**Er. Biswajit Das, Convener, Organising Committee & Vice Chairman, IBC TC**

- ❖ The session began with a Welcome Address by Er. Biswajit Das, Convener, Organising Committee & Vice Chairman, IBC Tripura Centre, who highlighted the diversity of technical perspectives and expressed gratitude to Chief Guest of the session Sri Purna Mohan Jamatia, Hon'ble Chief Executive Member, TTAADC, Guests from participating States, Agencies and delegates from different Departments.



**Er. Sanjeeva Kr. Janjua, Asset Manager, ONGC Ltd., Tripura Asset**

- ❖ Special Guest Er. Sanjeeva Kr. Janjua, Asset Manager, ONGC Ltd., Tripura Asset, addressed the gathering and shared key insights of ONGC's infrastructural activities and challenges in the region.



**Shri Purna Ch. Jamatia, Hon'ble Chief Executive Member, TTAADC**

- ❖ Chief Guest Shri Purna Ch. Jamatia, Hon'ble Chief Executive Member, TTAADC, spoke about infrastructure planning in tribal regions and urged engineers to adopt inclusive development approaches.

### **The Technical Presentations included:**



**Er. Sanjay Pant, Deputy Director General, Bureau of Indian Standards (BIS), New Delhi**



Er. Raj Chakraborty, Special Commissioner, PWD  
(NH & Building), Assam

- ❖ Er. Sanjay Pant, Deputy Director General, Bureau of Indian Standards (BIS), New Delhi, presented on recent developments in building codes and sustainable construction standards.
- ❖ Er. Raj Chakraborty, Special Commissioner, PWD (NH & Building), Assam, presented a comprehensive view of infrastructure growth strategies in Assam, including smart infrastructure development.



Er. R. K. Majumdar, IAS (Retd.), Chairman, Technical Committee

- ❖ The session commenced with a Welcome Address by Er. R. K. Majumdar, IAS (Retd.), Chairman, Technical Committee, who expressed gratitude to Guests from participating States, Agencies and delegates from different Departments. He expressed satisfaction over the depth of discussions in previous sessions and set the context for the concluding session.



Er. S. K. Vij, Former Member (Engineering), Railways,  
Government of India

- ❖ Special Guest Er. S. K. Vij, Former Member (Engineering), Railways, Government of India, delivered a thoughtful address on the evolving role of engineers in national development and emphasized the importance of technology and accountability in project execution.



Er. Devendra Gill, Executive Director, Delhi Metro Railway.

- ❖ Invited Speaker Er. Devendra Gill, Executive Director, Delhi Metro Railway, delivered an insightful presentation on “Safety Protocols and Practices in Urban Transit Systems”, showcasing Delhi Metro’s benchmarks.



Er. Rajib Majumder, Chief Engineer, UDD, Government of Tripura

- ❖ Er. Rajib Majumder, Chief Engineer, Urban Development Department, Government

of Tripura, presented on urban planning, infrastructure gaps, and smart city initiatives in Tripura.

#### Industry Presentations were also delivered:

- ❖ Ms. Rinku Kanani, Asst. Manager, Translink, shared innovative solutions for transportation infrastructure.
- ❖ Mr. Rajesh Pitroda, AVP, Zydex Industries, presented on eco-friendly road solutions and water-proofing technologies.

- ❖ Mr. Robin Bose, VP, Mutha Industries Pvt. Ltd., spoke on industrial contributions to North East's infrastructure through quality construction materials.

Before concluding the session, Chairman of the session Er. Bimal Das, invited questions related to paper presented by the invited speaker and Authors/ presenters of papers. There are many questions raised by the audience and were also replied by the respective speakers.

## Valedictory Session:

The Valedictory Session of the National Seminar on “Infrastructure Development in North East Region of India” commenced at 5:00 PM on 20th July 2025 at Pragna Bhawan, Agartala.



Delegates on dais during Valedictory Session of the National Seminar

- ❖ The session began with a Welcome Address by Er. Shyamlal Bhaumik, Chairman, IBC Tripura Centre & Organising Chairman, who expressed heartfelt gratitude to all the delegates, speakers, sponsors, and supporting organisations for making the seminar a grand success.
- ❖ This was followed by an address from Er. C. Debnath, National President, IBC, New Delhi, who appreciated the Tripura Centre for its excellent execution of the event and for successfully hosting the 109th Governing Council Meeting of IBC.



Er. C. Debnath, President, IBC.

- ❖ Er. R. K. Majumdar, IAS (Retd.), Chairman of the Technical Committee, presented the Recommendations of the seminar, focusing on necessary building regulation including High-Rise building, Multi-Model Connectivity in the North-East Region, Border Infrastructure, Renewable Energy, Digital Infrastructure, Smart Technology, policy interventions, capacity



building, regional cooperation, and sustainable infrastructure practices in the North Eastern Region.



Er. O. P. Goel, Founder President, IBC

- ❖ Founder President Er. O. P. Goel shared insights on the journey of IBC and encouraged young engineers to contribute to nation-building.



Er. Abhisekh Singh, IAS, Secretary, Govt. of Tripura

- ❖ Special Guest Er. Abhisekh Singh, IAS, Secretary, UD & RD Department, Government of Tripura, addressed the gathering, stressing the importance of innovation and integration in infrastructure development.



Er. Kiran Gitte, IAS, Secretary, Govt. of Tripura

- ❖ Special Guest Er. Kiran Gitte, IAS, Secretary, PWD, Government of Tripura, also shared his vision for future development in Tripura and emphasized transparency and efficiency in public projects.



Er. Animesh Debbarma, Hon'ble Minister, Tripura.

- ❖ The Guest of Honour, Er. Animesh Debbarma, Hon'ble Minister for Science & Technology, Government of Tripura, in his speech appreciated the initiative of the Organising Committee and highlighted the potential of engineering innovation for transforming the North East.

The session concluded with a formal Vote of Thanks delivered by Er. V. R. Bansal, Hony. Secretary, IBC, followed by the National Anthem, marking the end of a successful and enriching three-day national event.

#### **Special Technical Presentation in the Governing Council Meeting on 20-07-2025 at Pragna Bhawan Hall No - 3:**



Audience during Council Meeting

A Special Technical Presentation was delivered by Er. V. S. Verma, Past President, IBC and Former Engineer-in-Chief, PWD, Madhya Pradesh on 20th July 2025 at Pragna Bhawan.

The presentation was attended by the Governing Council Members of IBC from across India. It focused on key aspects of infrastructure innovation, sustainable construction practices, and future policy outlook.



## Exhibition:

A Technical Exhibition was inaugurated at Hall No. 3, Pragna Bhawan at 2:30 PM on 18th July 2025 as part of the National Seminar. The exhibition showcased a wide range of construction materials, technological innovations, and local crafts, providing a platform for interaction between professionals, manufacturers, and visitors.



Inauguration of Exhibition by Sri Dipak Majumdar, Hon'ble Mayor, Agartala Municipal Corporation & Member, Tripura Legislative Assembly

## Inaugural Programme Highlights:

- ❖ Welcome Address by Er. Sibasish Bhattacharyya, Hony. Secretary, IBC Tripura Centre & Organizing Secretary.
- ❖ Speech by Er. C. Debnath, National President, IBC, New Delhi.
- ❖ Speech by Special Guest Er. O. P. Goel, Founder President, IBC, New Delhi.
- ❖ Address by Chief Guest Sri Dipak Majumdar, Hon'ble Mayor, Agartala Municipal Corporation & Member, Tripura Legislative Assembly.
- ❖ Presidential Speech by Er. Shyamlal Bhaumik, Chairman, IBC Tripura Centre & Organizing Chairman.

The exhibition remained open throughout the seminar and received encouraging participation and appreciation from delegates and visitors.

## Visit of IBC Delegates to IBC, Tripura Chapter Office & Interaction Session:



During Interaction Session with IBC Delegates in the IBC, Tripura Chapter

On the sidelines of the National Seminar, a special visit and interaction session was organized at the IBC Tripura Centre Office & PWD Conference Hall, Netaji Chowmuhan, Agartala. The Governing Council members of IBC from various states participated in this session.

## During the interaction:

- ❖ The GC members expressed their deep appreciation for the meticulous arrangements made by IBC Tripura Centre. They acknowledged the warm hospitality, seamless coordination, and the overall grandeur of the event. Several senior members remarked that this seminar set a new benchmark in IBC's history in terms of organization, content, and participation. The delegates unanimously noted that they had never witnessed such a high level of reception and professionalism in any previous seminar.

This visit and interaction further strengthened the spirit of collaboration and mutual respect among the IBC fraternity across India.

## Cultural Events

As part of the National Seminar, two vibrant cultural evenings were organized to celebrate the spirit of the North East and promote camaraderie among delegates:

## 19th July 2025:

A Cultural Evening was held at the Banquet Hall, Sonartori State Guest House, featuring performances

by prominent artists of the region. The event showcased the rich heritage, music, and dance of the North East, followed by a formal Dinner hosted for the delegates and dignitaries.

#### **20th July 2025:**

Another Cultural Evening was hosted at the PWD Complex, Netaji Chowmohani, where performances were delivered by engineers and local artists from various parts of the state. This event highlighted the multifaceted talents of the engineering community and was followed by a community dinner, further strengthening the bond among participants.

These cultural programs added warmth and color to the seminar, offering delegates a glimpse into the rich traditions and hospitality of Tripura.

#### **Local Tour for Spouses of Delegates (19th July 2025, Saturday)**

**A specially curated local tour was arranged for the spouses of the delegates to explore Agartala's heritage and iconic landmarks. The group visited:**



During local tour (Spouses of Delegates)

Tripura Legislative Assembly

- Secretariat
- Raj Bhawan
- Heritage Park
- Oxygen Park
- MBB Stadium

- Ujjayanta Palace
- Jagannath Bari Temple
- Laxminarayan Temple
- Purbasha Handicraft Emporium
- Chaturdasha Devata Temple

The tour allowed them to experience the cultural richness and historical significance of the city.

#### **Local Tour for Spouses of GC Members & Delegates (Non-GC Members) – 20th July 2025, Sunday**

Another day-long excursion was organized for spouses of GC Members and Non-GC Member Delegates, which included visits to:

- Kamalasagar Kamaleswari Temple
- Handicrafts Shopping at Mohanpur
- Local marketing and city exploration in Agartala

This tour provided insight into traditional craftsmanship and local culture.

#### **Extended Tour for Delegates & Spouses Including GC Members – 21st July 2025, Monday.**

A post-seminar tour was organized for delegates, their spouses, and GC Members, covering notable destinations in Gomati and Sepahijala District of Tripura:

- Visit to Tripureswari Temple, Udaipur
- Lunch at Sagar Mahal
- Boating and tour of Neermahal Palace
- Return to Agartala followed by Light & Sound Show at Ujjayanta Palace
- Dinner at Ginger Hotel, Agartala

This memorable trip beautifully concluded the seminar, offering a glimpse into Tripura's royal heritage and natural beauty.

## Conclusion:

The National Seminar on “Infrastructure Development in North East Region of India” along with the 109th Governing Council Meeting of IBC, held from 18th to 20th July 2025 at Pragna Bhawan, Agartala, was a grand success. The event brought together senior engineers, technocrats, policy makers, academicians, and industry leaders from across the country.

The seminar successfully created a vibrant platform for knowledge sharing, networking, and capacity building. The in-depth discussions and presentations during the technical sessions addressed critical issues related to infrastructure development in the North East, covering aspects such as connectivity, policy reforms, sustainable design, and innovation in construction practices.

## 109<sup>th</sup> Governing Council Meeting



109<sup>th</sup> Governing Council Meeting in Progress at Agartala

109<sup>th</sup> Governing Council Meeting was held on 20<sup>th</sup> July, 2025 at Pragna Bhawan, Agartala, Tripura.

At the outset, President, IBC welcomed all participants who have come from all over the country to attend the 109<sup>th</sup> GC Meeting at Agartala, Tripura. He specially thanked Chairman IBC Tripura State Chapter for extending warm welcome to the delegates and for efforts and arrangements made by his team to conduct the 109<sup>th</sup> Governing Council meeting a grand success. He also thanked the Co-host, Ministry of DoNER, Govt. of India, PWD, UD, RD, Tripura Tourism, Agartala Municipal Corporation of Govt of Tripura; Sponsors and all the members who contributed to the fruitful deliberations.

He further emphasized to all GC members to make concerted efforts to strengthen IBC's technical activities nationwide. The President highlighted the online discussions held with IBC chapters, IBC EC and GC members. He informed that to achieve this goal, 17 committees were constituted to focus on various sectors of IBC's work. The President has further requested that all EC and GC members should make concerted efforts to strengthen the membership base in their respective states. This may involve increasing outreach, encouraging sign-ups, and fostering engagement within their local communities to ensure growth and sustainability. He also briefed about the Training programme being initiated by IBC in/c joint programme with States in the State Capital.

## Foundation Day



Dignitaries on Dais

34<sup>th</sup> Foundation Day of IBC was celebrated on 1<sup>st</sup> September, 2025 (online and offline) in Seminar Hall of IBC HQ Building, R.K. Puram, New Delhi. Er. C. Debnath, President; Er. O.P. Goel, Founder President; Maj. Gen. Ashok Kumar AVSM (Retd.), Imm. Past President; Er. V.R. Bansal, Hony. Secretary, IBC&Fmr. CE, MCD and Er. I.S. Sidhu, Executive Director, IBC were on the dais.

Er. V. Suresh, Fmr. CMD HUDCO, Past President; Er. B. Majumdar, Fmr. D.G. CPWD, Past President; Er. S.K. Vij, Fmr. Member Engineer, Rly, Past President; Dr. Mahesh Kumar, Fmr. E-in-C, Haryana PWD, Past President; Er. C.S. Prasad, Fmr. DG, CPWD, Past President, Er. Shobhit Uppal, Dy. Managing Director, Ahluwalia Contracts (I) Ltd., Past President; Er. Parimal Rai, Fmr. Chief Secretary, Govt. of Goa, Past President, Shri Pradeep Mittal, Past President; Er. Dinesh Kumar, Past Hony. Secretary and Er. V.R. Bansal, Hony. Secy., IBC and many GC and life member were present. Members from State Chapters of IBC also joined the celebration online.

Er. C. Debnath, President, IBC welcomed all the dignitaries on the dais, off the dais and members of all the State Chapters who joined online. He shared his association with IBC for past so many years. He discussed about the spread of IBC chapters all over the country and requested all to work for the strengthening of IBC.

All the Past Presidents and past Hony. Secretary were honored by presenting a memento and bouquet of flower by Er. C. Debnath. The President, IBC requested all the Past Presidents about their views on “How to strengthen IBC”. All the Past Presidents gave their valuable suggestions in this direction. Following

views were in consensus –

- Private Industries should be associated with IBC.
- Funds from State Govt. may be requested.
- IBC should involve in training/skilling of workers.
- IBC should have MoU with different groups of Industry.
- IBC should bring out small booklets for public use regarding RCC, brickwork, SOPs, etc.
- It was suggested to have a dynamic IBC Website.
- Role of Social Media is important.
- There should be more involvement of youth.

Er. V.R. Bansal, Hony. Secy. IBC. presented Vote of thanks and congratulated all on this occasion. National Anthem was played at the end.

## II. TRAINING PROGRAMME

### IBC Training Programme on “Repair & Rehabilitation of Concrete Structures including Water Proofing Materials and Techniques”

Institute for Training of Building Professionals under IBC, organized an Executive Training programme on “Retrofitting and Rehabilitation of Concrete Structures including Water Proofing Materials and Techniques” on July 29-30, 2025. A number of professionals from different departments and states which included UP Awas and Vikas Parishad, Lucknow, Tamilnadu PWD, Rajasthan PWD, Nagaland PWD, Gujarat PWD, West Bengal PWD, Chandigarh – UT, Odisha PWD, CPWD, DDA, MP PWD, MES, Delhi PWD, and Railways participated in the programme.



Participants in Training Programme



The training programme consisted of nine sessions and was conducted by the experienced professionals. Shri D.S. Sachdev, Director Executive Training, introduced the subject and spoke on the necessity of such programmes. Shri A.K. Sharma, former ADG, CPWD delivered a lecture on “Causes of Deterioration of RCC and Durability Aspects” and “Condition Survey of Damaged Structures”. Shri Param Preet Singh from Avantech Engineers Construction Pvt. Ltd. delivered a lecture on the topic “Non-Destructive Methods i/c Advanced Techniques of Evaluation of Structures & Demonstration”.

On Second day Shri A.K. Sharma, former ADG, CPWD delivered a lecture on “Repair Techniques and Materials. Shri Vineet Jain, CEM, BOND Constructions Pvt. Ltd. delivered a lecture on the topic “Repair and Rehabilitation Strategy & Execution Methodology”. Shri Supradip Das delivered a lecture on the topic “Water Proofing of Concrete Structures – An Overview”. Shri Sunny Surlaker, Director, ESS Buildchem, Mumbai delivered a lecture on “Water Proofing – Techniques & Materials”. The programme was summed up by Director, Executive Training through a case study on the subject.

Valedictory Session was Chaired by Shri C. Debnath, President, IBC and participation certificates of the programme was distributed. The programme has been rated as Very Good by the participants as per their feedback.

### III NEWS OF ACTIVITIES AT IBC CHAPTERS

#### A. IBC Odisha State Chapter

##### i) Annual General Meeting

IBC Odisha State Chapter organized a Annual General Meeting (AGM) on 18<sup>th</sup> Aug, 2025 at the 2<sup>nd</sup> floor Conference Hall of Nirman Soudha at Bhubaneswar under the chairmanship of Er. B. C. Tripathy, Chairman, IBC Odisha Chapter with physical participation of more than 50 life members. Newly elected members for the session 2025-27 are as follows:-

Chairman – Er. B.C. Tripathy, CGM P&C, IDCO, Odisha; Vice Chairman – Prof. P.K. Parhi, Professor, Civil Engineering Department, Odisha; Hony. Secy. – Er. Subhendu Bhattacharya, Director, Skylim Technica (P) Ltd., Odisha.

Er Manoranjan Misra Fmr. E-in-C-cum-Spl. Secy, Odisha PWD and Er. Dukhabandhu Behera, Chief Engineer, Odisha PWD were elected for Governing Council Members.

##### ii) Foundation Day

Foundation Day was celebrated on 1<sup>st</sup> Sept., 2025. Dr. Bharati Mohapatra, HOD, Architecture, VSSUT Burla, Er. Ashok Basa, Past President, Institution of Engineers and Prof P K Parhi, Vice Chairman addressed on this occasion with the special emphasis on the vision, mission and the future efforts and responsibilities of IBC members of our country. Er Ashok Basa advised to take up intensive technical programs to sensitize the stake holders on cutting edge technology. Er Subhendu Bhattacharya, Hony. Secretary welcomed the delegates and presented the vote of thanks.

##### iii) Engineers Day

Engineers Day was celebrated on 15<sup>th</sup> Sep, 2025 at Hotel Padmaja Premium, Bhubaneswar. On this occasion, Dr. Suresh Chandra Dalai, IAS (Retd.) Executive Director, IDCO joined as Guest of Honor and Dr. Bharati Mohapatra, HOD, Architecture, VSSUT, Burla joined as Invited Speaker. Dr. Suresh Chandra Dalai, Guest of Honor, emphasized the vital role of engineers and professionals in the state's development and urged them to contribute their best in today's evolving context. Prof. (Dr.) Bharati Mohapatra, the Chief Speaker, delivered an insightful presentation on the theme “Deep Tech & Engineering Excellence: Driving India's Techade.” She advised IBC to focus on its core components and conduct awareness and knowledge-exchange programs to bridge the existing gaps.



Five women professionals were felicitated by IBC Odisha Chapter on Engineers Day, 2025

Shri Subhendu Bhattacharya, Secretary of IBC - Odisha Chapter and Managing Director of Skylim Technica (P) Ltd., warmly welcomed the delegates and shared the key highlights of recent initiatives along with the future roadmap of the Chapter. Twelve engineers and architects including 5 women professionals were felicitated for their contribution to the cause of sustainable built environment.

## B. IBC Madhya Pradesh State Chapter

### i) Annual General Meeting and Seminar on “Built Environment Friendly Construction Material & Technology”



Annual General Meeting and Seminar in Progress

Annual General Meeting (AGM) and Seminar on “Built Environment Friendly Construction Material & Technology” was held on 18<sup>th</sup> June, 2025 at Hotel Motel Siraj, MP Nagar, Bhopal, Madhya Pradesh. Following members were elected in the AGM for 2025-2027.

Chairman – Er. S.R. Baghel, E-in-C, MP, PWD; Vice Chairman – Er. K.S. Yadav, Chief Engineer, MP,

PWD; Hony. Secy. – Er. Praveen Kr. Nigam, Executive Engineer, MP, PWD; Treasurer – Er. Ramdas Choudhary, S.E., MP, PWD. Members – Er. Ajay Shrivastav, General Manager, BDC, Madhya Pradesh; Er. G.S. Bhuria, E.E. MP, PWD; Er. Kapil Tyagi, E.E., MP, PWD; Er. Seema Prabhakar, A.E., MP, PWD; Er. Anurag Saxena, A.E. MP, PWD; Er. Ashok Sharma, Fmr. S.E. MP, PWD and Er. Sanad Chatterjee, Fmr. A.E. CPA, Madhya Pradesh.

Er. Praveen Kr. Nigam, Executive Engineer, MP, PWD and Er. Ramdas Choudhary, S.E., MP, PWD elected for Governing Council Members.

Following speakers presented the presentations:

- “Cost Analysis of Large Infra-Projects” presented by Er. Vijay Singh Verma, Fmr. E-in-C, MP, PWD & Past President, IBC. He provided key insights into the cost dynamics of large infrastructure projects, highlighting the significance of detailed project planning, budgeting and risk management.
- “GREEN Building Rating System” presented by Er. Neena Raicha, IGBC Certified Consultant. She introduced IGBC rating system and its benefits in reducing carbon footprints.
- “Project Management for Better Coordination and Timely Completion” jointly presented by Er. Pradeep Chawla and Ar. Ashok Kumar. They shared tools and best practices for efficient project planning and coordination. They discussed practical tools and strategies such as scheduling, resource allocation, stakeholder coordination and real-time monitoring.
- “Importance of Geotechnical Investigation” jointly presented by Dr. Rajive Jain, Prof. & Head, Civil Engg. Dept., SATI Vidisha and Dr. Aruna Rawat, Prof., Civil Engg. Dept., UIT RGPV, Bhopal. They highlighted the role of soil testing and investigation in structural stability and planning. The session underlined the critical role of geotechnical investigation in ensuring the structural safety and longevity of construction projects.

- “Importance of Building Allie Services” presented by Er. Jitendra, MEP Consultant, Shapoorji Pallonji. He emphasized the need for integrating mechanical, electrical and planning services for efficient buildings.

The seminar concluded with a vote of thanks and commitment to promote environmentally conscious building practices.

### C. IBC Kerala State Chapter

#### i) Annual General Meeting

Annual General Meeting of IBC Kerala State Chapter was held on 19<sup>th</sup> June, 2025 at IEI Trivandrum. Following members were elected unanimously for 2025-2027.

Chairman – Er. Biju K.S. IAS; Vice Chairman – Er. M. Pennamma, Managing Director, Road Infrastructure Company Kerala Ltd.; Hony. Secy. – Er. Yacub Mohan George, Director (Technical), Eastern Developers (P) Ltd., Kerala; Treasurer – Er. Anwar Hussain. S, Executive Engineer, LSGD, Kerala. Members – Er. Jose Kurian, Former Chief Engineer, CPWD; Er. E.K. Hythru, Former Chief Engineer, Kerala PWD; Er. P.K. Rajeev, Former Superintending Engineer, Kerala PWD; Er. K.A. John Simil, Assistant Engineer, Kerala PWD and Er. Deepu Sasidharan.

Dr. Anil Joseph, Managing Director, Geostructurals (P) Ltd., Kerala elected for Governing Council.

### D. IBC West Bengal State Chapter

#### i) AEC Software Conclave 2025

Indian Buildings Congress, West Bengal State Chapter participated in AEC Software Conclave 2025 held on June 24, 2025, at Sir R N Mookerjee Hall, Kolkata.

The AEC Software Conclave 2025 hosted by ImageGrafix Software Solutions Pvt Ltd. along with the IBC, WBSC as Event Partner. The Institution of Engineers (India), brought together the brightest minds of the industry to explore next-gen AEC innovations. In partnership with Nemetschek, ImageGrafix Software Solutions unveiled a powerhouse of

solutions transforming how engineers, architects, and construction leaders build the future.

The conclave highlighted on RISA 3D (Smarter & Better Alternative for Engineering), Allplan (A New Paradigm in AEC, Bridges & Precast), SDS2 (Advantages Over Traditional Steel Detailing) and Bluebeam (Real-Time Online Drawing Review).



Dr. Nirmalya Bandyopadhyay, Former Director, STUP Consultants delivered the Key Note Address.

Er. Anirban Datta, Governing Council Member, IBC, in his address mentioned about the leveraging plant design and AEC softwares in today's engineering landscape and emphasized on the need of collaborative approach between professional societies, academics and solution providers.

#### ii) Annual General Meeting

Annual General Meeting (AGM) of IBC West Bengal State Chapter was held on 26<sup>th</sup> June, 2025. Following members were elected for 2025-2027.

Chairman – Prof. Arun Kumar Chakraborty, Associate Prof. (Civil), Dept. of Civil Engineering, IIST, Shibpur, Howrah; Vice Chairman - Er. Biswajit Guha, Partner, Vida Engg. Co.; Hony. Secretary - Dr. Bhaskar Sengupta, Chief University Engineer & HOD (Envs.), Rabindra Bharti University, West Bengal; Hony. Treasurer- Er. Sanjoy Kumar Mukherjee, Former AGM, Members – Er. B.K. Dam, Former Chief



Engineer, West Bengal PWD; Ms. Nupur Banerjee, Chief Government Architect, PWD West Bengal; Er. Shiladitya Basu, Director, Nest Rehabilitation Engineers (P) Ltd. West Bengal; Er. Chandrachudha Bhattacharyya, Proprietor, C.E. Consultants, West Bengal; Er. Rajib Gupta Sarma, Superintending Engineer, West Bengal PWD; Er. Kalyan Dhar, M/s Jaykey Distributors and Dr. Chandrima Bhadra, Assistant Prof., Heritage Institute of Technology, West Bengal.

Er. Kalyanmoy Mitra, Former Executive Director, EPIL, West Bengal and Er. Anirban Datta, Founder & CEO, PIMECAS Engineering Solutions, West Bengal elected for Governing Council Members.

## **E. IBC Tamil Nadu State Chapter (TNSC)**

### **i) One Day Technical Seminar**

One Day Technical Seminar was organised by IBC TNSC in association with CREDAI Chennai on 28<sup>th</sup> June 2025 at PWD Building, 3<sup>rd</sup> Floor Conference Hall, Cheapuk, Chennai.



**Lighting of Ceremonial Lamp**

The topic of Seminar was “Case Studies on Building Failures” followed by a practical lecture on “How to Become a Licensed Contractor”.

The speakers were Ar. R. Deepika, Assistant Architect, PWD, Er. C. Kalyanasundaram, Fmr. Superintending Engine TNPWD and Er. A. Rajabather, Fmr. Head Draughting Officer, TNPWD.

## **F. IBC Chhattisgarh State Chapter**

### **i) Annual General Meeting**



**Annual General Meeting in Progress**

The Annual General Meeting (AGM) was held on 28<sup>th</sup> June, 2025 at First Floor, Golden Tower, National Institute of Technology, G.E. Road, Raipur, Chhattisgarh. The elected members are as follows:-

Chairman – Dr. Debashis Sanyal, Professor, NIT, Raipur; Vice Chairman – Er. Manoj Dewangan, Partner, Kriti Consultants, Chhattisgarh; Hon'y. Secy. – Er. Anil Tiwari, Consultant, Anil Tiwari & Associates, Chhattisgarh; Treasurer – Er. Jitendra Upadhyay. Members – Dr. Himanshu Potani, Architect Assistant Professor, NIT Raipur; Er. D.P. Sharma, Former Chief Engineer, Water Resource Deptt., Chhattisgarh; Er. Amit Khare, Director, A2 Environment Consultant, Chhattisgarh; Er. Shailendra Sharma (Gauraha), Proprietor, A.S. Consultants, Chhattisgarh; Dr. Goverdhan K Bhatt, Assistant Professor. Civil Engineering Department, Chhattisgarh; Er. Yogesh Sharma, Consultant Engineer. Utkarsh Associates, Chhattisgarh; Dr. Alfia Bano, Assistant Professor, Deptt. of Civil Engineering, NIT Raipur; Er. Dhiraj Bansal, Dy. General Manager, Shree Cement Limited, Chhattisgarh; Er. Virendra Kumar Chandrakar, Archcons Creations, Chhattisgarh; Er. Dipak Shirke, Sr. Engineer (QA/QC), WAPCOS Ltd, Chhattisgarh; Shri Navin Sharma, Architect, Navin Sharma & Associates, Chhattisgarh; Er. Pramod Agrawal; Er. Hem Prakash Nayak, Superintending Engineer, C.S.P.D CL Bilaspur, Chhattisgarh and Dr. Rajesh Tamrakar, Structural Designer, Chhattisgarh.



Er. Anil Tiwari, Consultant, Anil Tiwari & Associates and Er. Rajesh B. Thakare, Managing Director, Thakare Consultancy Services Pvt. Ltd. were elected for the Governing Council Members.

## ii) Engineers Day

IBC Chhattisgarh State Chapter organised the 165<sup>th</sup> Engineers Day on 15<sup>th</sup> Sept., 2025 at Babylon Capital, Raipur. The morning session began with garlanding the statue of Sir Moksha Gundam Visvesvaraya at Civil Lines, Raipur. The event was led by Mayor Ms. Minal Choubey, Mayor of Raipur. A blood donation camp followed this tribute.



Celebrating Engineers Day

## iii) Teachers Day Celebration

IBC Chhattisgarh State Chapter, Raipur organized the 63<sup>rd</sup> Teacher's Day on 5<sup>th</sup> September 25, in the honor of Dr. Sarvepalli Radhakrishnan birthday at First floor, Golden Tower, National Institute of Technology campus, Raipur, Chhattisgarh.



Celebrating the 63rd Teachers Day

Keeping in mind the theme of this year's Teacher's Day "Inspiring the next Generation of Learners." The Indian Buildings Congress, Chhattisgarh State

Chapter, Raipur decided to interact and felicitate former faculty of Government Engineering College, Jabalpur, Madhya Pradesh; Government College of Engineering and Technology Raipur, Chhattisgarh; Senior consultant Er. L. P. Shrivastava, on this occasion.

Er. L. P. Shrivastava shared his experience during the construction of existing premises of then GCET and now NIT with the members of the chapter and requested the next generation to do the task with sincerity and dedication.

## iv) Independence Day Celebration



Independence Day Celebration

IBC Chhattisgarh State Chapter, Raipur celebrated 79<sup>th</sup> Independence Day on August 15, 2025. The programme commenced with hoisting National Flag by Chairman Dr. Debashish Sanyal. The Chairman addressed the gathering and mentioned that this year's theme is "Naya Bharat" (New India), which underscores the vision of building a Developed India (Viksit Bharat) by 2047, focusing on prosperity, self-reliance and national progress.

## G. IBC Rajasthan State Chapter

### i) Annual General Meeting



Annual General Meeting in Progress

Annual General Meeting (AGM) of Rajasthan Chapter was held on 29<sup>th</sup> June, 2025 at Bharat Vikas Parishad Bhawan, Rama Enclave Jaising Pura Road Jaipur.

Shri Mangee Lal Meena MLA and IBC member was the Chief Guest of the Function. Shri K.C.Meena Fmr. C.E., RHB and President Rajasthan Chapter presided over the Function. Shri G.P. Sharma and Shri C.L. Verma past presidents were Spl. Guest for the function. Shri R.S. Saxena Vice President Rajasthan Chapter, welcomed all the guest and delegates. Shri Mange Lal Meena, MLA expressed his views and blessed the organisation.

Mrs Kavita Jain delivered a technical paper on “Heritage-Taking Inspiration for a Sustainable Development”.

Following members of Managing Committee were elected in Annual General Meeting for 2025-2027.

Chairman – Er. K.C. Meena, Former Chief Engineer, Rajasthan Housing Board; Vice Chairman - Er. R. S. Saxena, Superintending Engineer, Rajasthan PWD; Hony. Secretary - Dr. Madura Yadav, Dean, Faculty of Design School of Architecture and Design, Manipal University Jaipur; Hony. Treasurer- Er. Vinod Sharma. Members – Prof. B P Suneja, Fmr. Professor & Dean, Rajasthan Technical University and Er. V.K. Jain.

Sh. Nagesh Chand Sharma, Sh. Suresh Kumar Bairwa and Sh. B.P.Suneja were elected for Governing Council Members.

The Annual General Meeting Concluded with Vote of thanks.

## **H. IBC Bihar State Chapter**

### **i) Annual General Meeting**

Annual General Meeting (AGM) of Bihar State Chapter was held on 5<sup>th</sup> July, 2025 at IB, BCD, Rajbanshi Nagar, Patna. Following members of IBC Bihar State Chapter are declared as elected for year 2025-27 and two members elected as GC members from Bihar.

Chairman – Er. Rakesh Kumar, Former Engineer-in-Chief, BCD, Bihar; Vice Chairman - Er. Varun Kumar Singh, Superintending Engineer, BCD, Bihar; Hony. Secretary - Er. Ramagya Kumar, Assistant Engineer, BCD, Bihar; Hony. Treasurer- Er. Abhishek Kumar, Junior Engineer, BCD, Bihar Members – Er. Malay Kumar Sinha, Astt. Engineer, BCD, Bihar; Er. Arun Kumar Thakur, Assistant Engineer (Civil), Bihar; Er. Gunjan Kumar, Assistant Engineer, BCD, Bihar; Er. Harendra Dubey, Former Dy. Secretary, WRD, WRD, Bihar; Er. Sudhakar Kumar, Planning Engineer, BCD, Bihar; Er. Narendra Kumar Tiwary, Former Chief Engineer, UD&HD, Bihar and Er. Sudhir Shekhar, Assistant General Manager, Bihar State Building Construction Corporation Limited, Bihar.

Er. Ram Sagar Prasad, Former Superintending Engineer, BCD, Bihar and Er. Binod Kumar Jha, Former Superintending Engineer, BCD, Bihar elected for Governing Council Members.

## **I. IBC Haryana State Chapter**

### **i) Annual General Meeting**

The Annual General (AGM) Meeting was held on July 12, 2025, at 10:00 AM at the PWD Rest House, Sector-1, Panchkula. Following members were elected for 2025-2027.

Chairman – Er. Anil Kumar Dahiya, HOD-cum-EIC, Bldgs Haryana PWD; Vice Chairman – Er. Yogesh Mohan Mehra, Chief Engineer (Roads) Haryana, PWD; Hony. Secy. – Er. Harpal Singh, Superintending Engineer Haryana, PWD; Treasurer – Er. Jagvinder Ranga, Executive Engineer Haryana, PWD. Members – Er. Udey Bhan, EIC HSAMB, Haryana PWD; Er. Gaurav Jain, Executive Engineer, Haryana, PWD; Er. Ram Parkash Gyasra, Consultant, Architect, DMER, Haryana.; Er. Anil Narwal, Executive Engineer, Haryana PWD; Er. Kamaldeep Singh Rana, Executive Engineer Haryana, PWD; Er. Bhupinder Singh, Executive Engineer Haryana PWD and Er. Krishan Kumar, Executive Engineer Haryana PWD.

Er. Arun Jagga, Chief Engineer, Haryana PWD and Er. Balbir Singh Sheokand, Fmr. Executive Engineer,

DCRUST elected for Governing Council Members.

## **J. IBC Manipur State Chapter**

### **i) Annual General Meeting**

Annual General Meeting (AGM) of IBC Manipur Chapter was held on 13<sup>th</sup> July, 2025. Following members and one GC Members were elected for 2025-2027.

Chairman – Er. Thangjam Joykumar Singh, Former Chief Engineer, PWD Manipur; Vice Chairman - Col. Shyam Lal Sharma (Retd), Director, Vensar Constructions Company Ltd.; Hony. Secretary - Er. N. Thoiba Singh, University Engineer, Manipur University; Hony. Treasurer- Er. Th. Rajesh Singh, Assistant Engineer, Manipur Institute of Technology, Manipur University Members – Dr. Th. Kiranbala Devi, Former Associate Professor, Manipur Institute of Technology, Manipur University; Dr. Kh. Sachidananda, Asstt. Prof., NIT Manipur; Er S. Rajen Singh, Former University Engineer, Manipur University; Dr. Th. Bebina Devi, Superintending Engineer, PHED Manipur and Dr. N. Sukumar Singh, Assistant Professor, Manipur Institute of Technology, Manipur University.

Er. N. Thoiba Singh, University Engineer, Manipur University elected for Governing Council Member.

## **K. IBC Tripura State Chapter**

### **(i) Annual General Conference of IBC, Tripura Centre along with Technical Seminar on 24th August 2025 at PWD Conference Hall, Netaji Chowmohani, PWD Complex, Agartala.**



Delegates on Dais



Shri Sushanta Chowdhury, Hon'ble Minister

The 19th Annual General Conference (AGC) of the Indian Buildings Congress (IBC), Tripura Centre was successfully held on 24th August 2025 at the PWD Conference Hall, Netaji Chowmohani, Agartala. The event witnessed the participation of a large number of IBC members, senior engineers, and dignitaries.

### **Inaugural Session**

The conference was inaugurated by Shri Sushanta Chowdhury, Hon'ble Minister, Food, Civil Supplies & Consumer Affairs, Transport & Tourism Department, Government of Tripura. He appreciated the role of IBC in promoting technical knowledge and infrastructure development in the state.

In his address, the Minister emphasized the need for proper planning and policy-making for infrastructure development. He highlighted that while planning is essential, effective implementation is the real key to success. He mentioned that the central and state governments are taking various steps to ensure planned development and social upliftment in the North- Eastern region.

He further stated that Tripura, like other North-Eastern States, is seeing overall development in line with the Centre's focus post-2014. The minister stressed inclusive growth, ensuring even remote areas be benefited from development schemes.

He conveyed his best wishes for the event and for the future endeavors of the participants.

During the inaugural session of the 19th Annual General Meeting of IBC, Tripura Chapter, the



Souvenir of the 19th AGM was ceremonially released by the Hon'ble Minister Shri Sushanta Chowdhury along with other dignitaries present on the dais. The release of the Souvenir marked a significant moment of the session, showcasing the Centre's activities, technical articles, and contributions from members and stakeholders.

#### **Guest of Honour:**

Er. Kiran Gitte, IAS, Secretary, PWD, Government of Tripura Guest of Honour in the Inaugural Programme highlighted that Tripura is one of the remotest states in the country, located in the south-eastern part of North East India. He pointed out that due to its geographical isolation, infrastructure development in the state is significantly costlier compared to other regions.



**Er. Kiran Gitte, IAS, Secretary, PWD, Government of Tripura**

Despite these challenges, the Government of Tripura, with active support from the Union Government, has been making consistent efforts to improve infrastructure across the state. He acknowledged the dedication and contributions of state Engineers, whose relentless work has made this development possible.

Shri Gitte also emphasized the benefits of the EPC (Engineering, Procurement, and Construction) mode of tendering, through which the expertise and innovative approaches of engineers working with large National and International companies can be accessed and utilised in State projects.

He further outlined the Vision 2030 and Vision 2047 of the Union Government, led by Hon'ble Prime Minister Shri Narendra Modi Ji, which aim for inclusive growth, sustainable development, and technological advancement. He expressed hope that Tripura's engineers would play a pivotal role in fulfilling these national goals while shaping a better future for the state.



**Er. C. Debnath, President of IBC**

Er. C. Debnath, National President, of the Indian Buildings Congress (IBC), emphasised the importance of IBC's nationwide activities in promoting engineering excellence and knowledge sharing across the country.

He extended his heartfelt thanks to the IBC, Tripura Centre for successfully organising the National Seminar and for actively engaging in district-wise initiatives, which strengthen the grassroots presence of the organisation.

Er. C. Debnath, National President of IBC, also encouraged all members to take initiative in enrolling new members into the organization to strengthen its presence and impact.

He further advised that each member should dedicate at least 5 minutes a day to think about the growth and betterment of IBC, as even small, consistent efforts from every individual can bring significant progress to the institution.

Er. Debnath also expressed his satisfaction that the Tripura Centre has been conducting its Annual General Conference (AGC) within the stipulated time frame, reflecting its organisational discipline and commitment.



He appreciated the proactive role of the Centre in collaborating with other North Eastern states to host joint programmes, thus encouraging regional cooperation and technical exchange. He concluded by congratulating all members of the Tripura Centre for their continued dedication and vibrant contribution to the goals of IBC.

The Keynote Address was delivered by Dr. Bhaskar Sengupta, Former Chief Engineer & Ex-HoD, Environmental Science, Rabindra Bharati University on the topic “Environmental Hazards on Buildings and Living Conditions – Remedial Measures in the 21st Century.” His lecture was highly informative and appreciated by all attendees.



Dr. Bhaskar Sengupta

Dr. Bhaskar Sengupta emphasized the importance of conducting health check-ups of all buildings at a regular interval of every two years. He strongly advised that retrofitting measures should be taken, especially for old and heritage buildings, to prevent structural failure and reduce risks arising from environmental hazards.

He also suggested the use of precast construction materials, particularly in city areas, to minimize pollution during construction activities and ensure a cleaner urban environment.

Additionally, he highlighted that architectural designs of new buildings located in the vicinity of heritage structures, especially around the Ujjayanta Palace, should be carefully planned so that they complement

and preserve the aesthetic value of the historical surroundings.

## (ii) 34th Foundation Day of Indian Buildings Congress (IBC) & Technical Seminar on “Time Management in Construction Work”

The Indian Buildings Congress (IBC), Tripura Centre proudly observed the 34th Foundation Day of IBC on 1st September 2025 at the PWD Conference Hall, Agartala. The event was marked by a warm gathering of engineers and members of IBC, and included a technical seminar on the important topic “Time Management in Construction Work”.



Inauguration of Foundation Day by lighting of ceremonial Lamp



Er. R. K. Majumder, Former IAS and Past Chairman of IBC, TC

### Keynote Address:

The keynote speaker, Er. R. K. Majumder, Former IAS and Past Chairman of IBC, TC, delivered an insightful presentation on the topic “Time Management in Construction Work”, highlighting practical challenges, case studies, and actionable strategies in construction project execution.

### Speech by Chief Guest:



Er. Mihir Kanti Gop, IAS

Er. Mihir Kanti Gop, IAS, graced the occasion as the Chief Guest. In his speech, he congratulated IBC for its consistent contribution to the construction sector and briefly elaborated on the seminar theme, stressing the critical importance of time-bound project delivery in public infrastructure.

### L. IBC Himachal Pradesh State Chapter

#### i) Managing Committee

Managing Committee Members for 2025-2027 constituted as follows:

Chairman – Er. Anita Kathuria, Chief Engineer H.P., PWD; Vice Chairman – Ar. Rajiv Sharma, Chief Architect H.P., PWD; Hony. Secy. – Er. Deva Nand, Executive Engineer, H.P., PWD; Treasurer – Er. Rakesh Chauhan, Superintending Engineer, H.P., PWD. Members – Er. Deepak Raj Chauhan, Superintending Engineer, H.P., PWD; Er. Umesh Sharma, Executive Engineer, H.P., PWD; Er. Amit Sharma, Executive Engineer, H.P. PWD; Er. Neelam Gupta, Executive Engineer, H.P., PWD; Er. Anshu Dadwal, Assistant Engineer, H.P. PWD; Ar. Sarojini Sharma (Arch. Retd. from H.P.,PWD) and Er. Devinder Singh Ranta, Contractor, M/s D.S. Ranta, Himachal Pradesh.

Er. N.P. Singh, Engineer-in-Chief, H.P. PWD and Ar. Rajiv Sharma, Chief Architect H.P., PWD elected for Governing Council Members.

### M. IBC Jammu & Kashmir State Chapter

#### i) Annual General Meeting and Seminar on GRIHA Certification for Green Buildings

The Indian Buildings Congress (J&K Chapter), in collaboration with the Alumni Association of NIT Srinagar, Civil Engineering Students Association (CESA) and JK Green Technologies, organized a Seminar on “GRIHA Certification for Green Buildings” on 18<sup>th</sup> August, 2025 at the National Institute of Technology, Hazratbal, Srinagar. Er. Aamir Ali, Chairman, J&K Chapter inaugurated the seminar.

Annual General Meeting of Indian Buildings Congress (J&K Chapter) was held where Aamir Ali was unanimously elected as the Chairman for the session 2025-27. Following members were elected in Annual General Meeting for 2025-2027.

Chairman – Er. Aamir Ali Mir, Superintending Engineer, Rural Engineering Wing; Vice Chairman - Er Rabinder Shekher; Hony. Secretary - Er Irfan Shafi Parray, Assistant Executive Engineer, Jammu & Kashmir PWD; Hony. Treasurer- Er Ankur Nanda, Resident Engineer, Aecom India Pvt. Ltd. Members – Er Rafiq Ahmad Rafiq, Former Chief Engineer, PWD (R&B), J&K; Er Bhushan Lal Rawal, Former Superintending Engineer, PWD (R&B), J&K; Er Tariq Abdullah Saraf, Executive Engineer, PWD, J&K; Er Abdul Aziz Lone, Assistant Executive Engineer, PWD, J&K and Er. Sunil Seth, Executive Engineer, Jal Shakti Deptt., J&K.

#### ii) Foundation Day

The Indian Buildings Congress (IBC) J&K Chapter commemorated the 34<sup>th</sup> Foundation Day of IBC by holding online webinar on “Performance of Built Environment in Recent Disasters: Lessons Learnt” on 1<sup>st</sup> September, 2025 at Srinagar. Er. C. Debnath, President IBC inaugurated the online Webinar. The session brought together engineers, architects, planners, builders, academicians and policymakers to reflect on recent disaster events and translate lessons into resilient practice.

Er. S.R.S. Madni said that there is need to learn lessons from nature and refrain from vandalizing forests, streams and rivers. He observed that our elders also

constructed buildings and structures but they were rooted in harmony with the environment, many of which have stood the test of time.

### iii) Engineers Day

The Indian Buildings Congress (IBC), J&K Chapter organised a webinar to mark the 58<sup>th</sup> Engineer's Day, commemorating the birth anniversary of the legendary engineer and Bharat Ratna awardee, Sir Mokshagundam Visvesvaraya on 15<sup>th</sup> September 2025 at Srinagar.

The theme of the webinar was "Techade of Sustainability: Deep Tech & Green Growth." Er. Aamir Ali, Chairman IBC J&K Chapter welcomed the participants.

The webinar was attended by engineers, architects, planners, researchers and students from across Jammu and Kashmir and beyond.

### N. IBC Gujarat State Chapter

#### i) Managing Committee

Managing Committee of IBC Gujarat State Chapter for 2025-2027 are as follows:-

Chairman – Er. Harish Chandra, Chief Engineer, MES, Gujarat; Vice Chairman - Dr. Ghanshyam P. Vadodaria, Principal, GEC Bhavnagar, Gujarat; Hony. Secretary - Er. Girishkumar H. Shah, Consulting Engineer, Singhai Techno Arch, Gujarat; Hony. Treasurer- Col. Manish Dhaka, VSM, Commander Works Engineer, MES, Gujarat Members – Er. P.R. Patelia, Secretary, PWD (R & B), Gujarat; Er. M.N. Patel, Sr. VC-GU/GTU/PU, Advisor, Silver Oak University, Gujarat; Er. Dineshchandra O. Nakrani, Executive Engineer, PWD (R & B), Gujarat; Er. Hiteshkumar M. Patel, Deputy Executive Engineer, Central Designs Organisation, Narmada Water Resources Water Supply & Kalpsar Deptt., Gujarat; Er. Nimesh D. Patel, Chairman-cum-Managing Director, Gujarat; Er. P.J. Mishra, Superintending Engineer, Roads & Buildings Deptt, Gujarat and Er. Rumit H. Parikh, Proprietor, Yihan Techno Solutions, Gujarat.

### O. IBC Meghalaya State Chapter

#### i) Annual General Meeting

Annual General Meeting (AGM) of IBC Meghalaya State Chapter was held on 29<sup>th</sup> August. 2025. Following Member for the year 2025-27 are as follows:-

Chairman – Er. Mewothi Nongpluh; Vice Chairman - Er. Slanstar Warbah; Hony. Secretary - Er. Manroibha Nongkynrih, Meghalaya PWD; Hony. Treasurer- Er. (Ms) Sakanica Rymbai, Asstt. Executive Engineer, Meghalaya PWD. Members – Er.(Ms.) Anumanda Sumer, Assistant Executive Engineer, Meghalaya PWD; Er. (Smt.) Dariakor Diengdoh, Assistant Executive Engineer, Meghalaya PWD; Er. Fabian K. Umdor, Meghalaya; Er.(Smt.) Sasharie Rynjah, Meghalaya and Er. (Smt.) Wansuklin Synrem, Meghalaya

Er. (Smt.) Wansuklin Synrem, Dy. Director (Admn.) Cum SE, Neigrihms Autonomous-Institute-MOH&FW-GOI elected for Governing Council Member.

### P. IBC Kota Local Chapter

#### i) Annual General Meeting and Seminar



मंचासीन अतिथिगण

इंडियन बिल्डिंग्स कॉंग्रेस(आईबीसी) लोकल चेप्टर कोटा द्वारा रविवार दिनांक 24.08.2025 को 6<sup>वीं</sup> वार्षिक आम सभा एवं सेमिनार का आयोजन बूंदी रोड़ स्थित माहेश्वरी रिसोर्ट में किया गया। इस अवसर पर समारोह के मुख्य अतिथि आई.बी.सी. राजस्थान चेप्टर के चेयरमेन एवं पूर्व मुख्य अभियंता राजस्थान आवासन मण्डल श्री के.सी. मीना, कार्यक्रम की अध्यक्षता पूर्व सचिव, सार्व. निर्माण विभाग, राजस्थान सरकार, जयपुर श्री जी.एल.राव, विशिष्ट अतिथि एवं मुख्य वक्ता डायरेक्टर एवं डीन

मणिपाल विश्वविद्यालय, जयपुर प्रो. (डॉ.) मधुरा यादव, विशि-ठ अतिथि एवं अतिरिक्त मुख्य अभियन्ता श्री नीशु गुप्ता, अतिरिक्त मुख्य अभियन्ता सा.नि.वि.संभाग कोटा आई.बी.सी.लोकल चेप्टर कोटा के चेयरमेन एवं पूर्व अति. मुख्य अभियन्ता श्री सुरेश कुमार बैरवा, पूर्व चेयरमेन आई.बी.सी.लोकल चेप्टर कोटा एवं पूर्व मुख्य अभियन्ता सार्व. निर्माण विभाग श्री पी.के. जैन, कन्वीनर (इलेक्शन) एवं पूर्व मुख्य अभियन्ता सार्व. निर्माण विभाग श्री धीरेन्द्र माथुर, आई.बी.सी.लोकल चेप्टर कोटा के सचिव श्री हेमन्त कुमार शर्मा, मंचासीन रहे। सर्वप्रथम अतिथियों द्वारा मां सरस्वती के चित्र पर माल्यार्पण एवं दीप प्रज्वलन कर कार्यक्रम का शुभारंभ किया गया।

इस अवसर पर आयोजित टेक्निकल सेशन की मुख्य वक्ता डायरेक्टर एवं डीन मणिपाल विश्वविद्यालय जयपुर प्रो. (डॉ.) मधुरा यादव रही।



विशिष्ट अतिथि एवं मुख्य वक्ता- प्रो. (डॉ.) मधुरा यादव द्वारा प्रस्तुतीकरण

सर्कुलर इकोनोमी इन कन्स्ट्रक्शन: वेस्ट टू वेल्थ एप्रोचेज – प्रो. (डॉ.) मधुरा यादव

इस मौके पर आई.बी.सी.राजस्थान चैप्टर मानद सचिव एवं निदेशक डीन, मणिपाल यूनिवर्सिटी डॉ. मधुरा यादव ने सर्कुलर इकोनोमी इन कन्स्ट्रक्शन: वेस्ट टू वेल्थ एप्रोचेज विषय पर उन्होंने बताया कि गोबर, प्लाई ऐश, प्लास्टिक, मार्बल की धूल और निर्माण अवशेष जैसे अपशिष्ट पदार्थों का उपयोग भवन निर्माण में किया जा सकता है। यह न केवल पर्यावरण संरक्षण बल्कि दीर्घकालीन वित्तिय बचत का भी आधार है।

डॉ. यादव ने कहा कि यदि उद्योग, नीति-निर्माता और अकादमिक जगत मिलकर काम करे तो कचरे से समृद्धि की दिशा में ठोस कदम उठाए जा सकते हैं और एक संसाधन-कुशल, पर्यावरण-अनुकूल व सामाजिक रूप से समावेश भवि-य का निर्माण संभव है।

श्री धीरेन्द्र माथुर कन्वीनर (इलेक्शन) एवं पूर्व मुख्य अभियन्ता सार्व. निर्माण विभाग राजस्थान जयपुर द्वारा कार्यक्रम के दौरान आई.बी.सी.कोटा चैप्टर के वर्ष 2025-27 की मेनेजिंग कमेटी के चुनाव परिणाम की घोषणा की गई। वर्ष 2025-27 के लिए मेनेजिंग कमेटी के निम्न सदस्य निर्विरोध निर्वाचित घोषित किये गये:-

चेयरमेन – श्री हेमन्त कुमार शर्मा, पूर्व अधिषाशी अभियन्ता, सार्व. निर्माण

विभाग; वाईसचेयरमेन – श्री सुनील कुमार गर्ग, संवेदक; मानद सचिव – श्री मनीश जैन, कन्सलटेन्ट; कोषाध्यक्ष – श्री अशोक सनाढ्य, अधिषाशी अभियन्ता, सार्व. निर्माण विभाग। सदस्यों – श्री डी.आर. क्षत्रिय, अधिषाशी अभियन्ता, सार्व. निर्माण विभाग; श्री शरद सक्सेना, पूर्व अधिषाशी अभियन्ता, सार्व. निर्माण विभाग; श्री ओम प्रकाश जैन, कन्सलटेन्ट; डॉ श्री राम कुमार लोधा, अधिषाशी अभियन्ता के.डी.ए; श्री दमोदर प्रसाद अग्रवाल, पूर्व अधिषाशी अभियन्ता, सार्व. निर्माण विभाग; श्री गोविन्द मिश्रा, अधिषाशी अभियन्ता, सार्व. निर्माण विभाग; श्री राजेन्द्र कुमार लोहमी, पूर्व अधिषाशी अभियन्ता, सार्व. निर्माण विभाग।

## ii) 34<sup>th</sup> Foundation Day Celebration

The 34<sup>th</sup> Foundation Day of the Indian Buildings Congress was organised with great enthusiasm by the Kota Chapter on 1<sup>st</sup> September 2025 at PWD Campus, Kota The programme commenced with Saraswati Vandana. Er. A. D. Ansari, Addl. General Manager & Addl. Chief Engineer, Rajasthan Water Gr Corporation, WRD, Kota, who was the Chief Guest addressed the gathering.

Dr. Praveen Kumar Agarwal, Retd. Professor (Civil), RTU Kota, who was Keynote Speaker, delivered a Technical Talk on “Improving Thermal Comfort in Buildings through Selection of Construction Materials.” Shri Manish Jain, Honorary Secretary delivered the Vote of Thanks.

## Q. IBC Puducherry UT Chapter

### i) Engineers Day



Engineers Day Celebrated

Engineers Day 2025 was celebrated by the Indian Buildings Congress Puducherry Chapter in co-ordination with Public Works Department on 28/09/2025 in the Conference Hall of PWD, Puducherry. The theme of Engineers day was “Deep Tech & Engineering Excellence: Driving



India's Techade". The celebration was attended by Engineers and Architects of PWD, Puducherry. Er. K. Veeraselvam, Chief Engineer, PWD, Puducherry, the Guest of Honour felicitated the function. Er. M. Kandar Selvan, Former Chief Town Planner and Honorary Secretary of IBC Puducherry Chapter

gave a speech on "How the recent amendment to the Puducherry Building Bye-Laws and Zoning Regulations accelerates the 'TECHADE'". The vote of thanks was given by Er. Vidjea Nehru Velayutham, Treasurer of IBC Puducherry Chapter.



## New Members enrolled during 05/07/2025 to 16/10/2025

### Individual Members:

S.No.	M. No.	Name	Qualification	Designation	Department	City	State
	ML-10351	Shri Harnam Singh	MA, LL.B	Administrator	Self Employed	MUMBAI	Maharashtra
	ML-10352	Shri Chirag Tulsibhai Patel	M.E. (Elect. Power System)	Assistant Engineer	R&B Department	GANDHINAGAR	Gujarat
	ML-10353	Shri Jaswant Singh Shekhawat	M.Tech. (Strct & Constn. Engg.)	Project Coordinator	PK. Engineers	JAIPUR	Rajasthan
	ML-10354	Shri Allamaneni Nagender Rao	B.Tech (Civil), M.Tech. (Geotech. Engg.)	Former Superintending Engineer	R&B Department	HANAMKONDA	Telangana
	ML-10355	Shri K.P.Purushothaman	AMIE (Civil), PG Dip in Constn. Mgt.	Former ADG	Border Roads Organisation	KANNUR	Kerala
	ML-10356	Shri Vikas Kumar	Diploma in Civil Engg.	Junior Engineer (Civil)	Haryana PWD (B&R)	KURUKSHETRA	Haryana
	ML-10357	Shri Divyam Dhiman	B.Tech.	Junior Engineer	Haryana Govt.	KURUKSHETRA	Haryana
	ML-10358	Shri Vinod Kumar	B.Tech. (Civil Engg.)	Junior Engineer	Haryana PWD (B&R)	HISAR	Haryana
	ML-10359	Shri Dharam Pal	Diploma in Civil	Junior Engineer	Haryana PWD (B&R)	MOHALI	Punjab
	ML-10360	Shri Parveer Parmar	B.Tech. (Mech.)	Managing Director	Hisar Construction Pvt. Ltd.	HISAR	Haryana
	ML-10361	Shri Jatin Khurana	M.Tech. (Strct.)	Executive Engineer	Haryana PWD (B&R)	CHANDIGARH	Chandigarh
	ML-10362	Shri Lalit Kumar	M.Tech.	Junior Engineer	Haryana PWD (B&R)	KURUKSHETRA	Haryana
	ML-10363	Shri Kamal Kumar	Diploma in Civil Engg.	Sub Divisional Engineer	Haryana PWD (B&R)	KURUKSHETRA	Haryana
	ML-10364	Shri Jarnail Singh	B.Tech. (Civil)	Junior Engineer	Haryana PWD (B&R)	AMBALA	Haryana
	ML-10365	Shri Abhishek Rana	B.Tech.	Junior Engineer	Haryana PWD (B&R)	KURUKSHETRA	Haryana
	ML-10366	Shri Karnail Singh	Diploma in Civil Engg.	Sub Divisional Engineer	Haryana PWD (B&R)	KURUKSHETRA	Haryana
	ML-10367	Shri Sombir	B.Tech. (Civil)	Junior Engineer	Haryana PWD (B&R)	SONIPAT	Haryana
	ML-10368	Shri Inder Pal	B.Tech.	Addl. Sub Divisional Engineer	Haryana PWD (B&R)	PANCHKULA	Haryana
	ML-10369	Ms.Asha Rani	B.Tech., M.Tech.(Civil)	Sub Divisional Engineer	Haryana PWD (B&R)	AMBALA CANTT	Haryana
	ML-10370	Shri Ran Singh	B.Tech. (Civil)	Sub Divisional Engineer	Haryana PWD (B&R)	HISAR	Haryana
	ML-10371	Shri Jaswinder Singh	B.Tech. (Civil)	Executive Engineer	Haryana PWD (B&R)	PANCHKULA	Haryana
	ML-10372	Shri Jamil Ahmad	AMIE	Junior Engineer	Haryana PWD (B&R)	KAITHAL	Haryana
	ML-10373	Shri Charanjeet Singh	B.Tech. (Civil)	Sub Divisional Engineer	Haryana PWD (B&R)	KURUKSHETRA	Haryana
	ML-10374	Shri Vinod Kumar	B.Tech. (Civil)	Junior Engineer	Haryana PWD (B&R)	HISAR	Haryana
	ML-10375	Shri Rajesh Tomar	B.E. (Civil)	Sub Divisional Engineer	Haryana PWD (B&R)	BAHADURGARH	Haryana
	ML-10376	Shri Abhishek Nijhawan	B.E. (Civil)	Junior Engineer	Haryana PWD (B&R)	AMBALA CANTT	Haryana
	ML-10377	Shri Rajiv Kumar	Diploma in Civil Engg.	Junior Engineer	Haryana PWD (B&R)	AMBALA CITY	Haryana
	ML-10378	Shri Sheetal	B.Tech.	Junior Engineer (Civil)	Haryana PWD (B&R)	AMBALA CANTT	Haryana
	ML-10379	Shri Aashirwad	B.Tech.	Junior Engineer	Haryana PWD (B&R)	AMBALA CANTT	Haryana

	ML-10380	Shri Yashpal Kamboj	AMIE, Graduate	Sub Divisional Engineer	Haryana PWD (B&R)	KURUKSHETRA	Haryana
	ML-10381	Shri Pardeep Kumar	B.Tech. (Civil)	Junior Engineer	Haryana PWD (B&R)	KAITHAL	Haryana
	ML-10382	Shri Gurdial Singh	Diploma in Civil Engg.	Junior Engineer	Haryana PWD (B&R)	YAMUNANAGAR	Haryana
	ML-10383	Shri Chirag Garg	B.Tech. (Civil)	Junior Engineer	Haryana PWD (B&R)	PANIPAT	Haryana
	ML-10384	Shri Sanjay Kumar Sharma	Diploma in Civil Engg.	Sub Divisional Engineer	Haryana PWD (B&R)	AMBALA CANTT	Haryana
	ML-10385	Shri Azad Singh	B.Tech (Civil)	Junior Engineer	Haryana PWD (B&R)	KURUKSHETRA	Haryana
	ML-10386	Shri Anil Kumar	B.Tech., M.Tech. (Civil)	Junior Engineer	Haryana PWD (B&R)	BAHADURGARH	Haryana
	ML-10387	Shri Surender Pal	Diploma in Civil, B.Tech.	Sub Divisional Engineer	Haryana PWD (B&R)	KARNAL	Haryana
	ML-10388	Shri Anil Kumar	Diploma in Civil Engg.	Junior Engineer	Haryana PWD (B&R)	KAITHAL	Haryana
	ML-10389	Shri Sumit Kalra	Post Graduate	Contractor	K.D. Sons	HANSI	Haryana
	ML-10390	Ms. Sabita Dash	Ph.D	Associate Professor, Head of School	Odisha University of Technology & Research	BHUBANESWAR	Odisha
	ML-10391	Shri Shivanand Hugar	Diploma in Civil Engg., B.Tech.	Former Assistant Executive Engineer	Karnataka PWD	BENGALURU	Karnataka
	ML-10392	Shri Kamal Kumar Ghosh	M.Tech. (Mech.Engg.)	Former Associate Professor	College of Military Engineering	RAIPUR	Chhattisgarh
	ML-10393	Shri Avinash Damodar Deore	B.E. (Civil)	Sub Divisional Engineer	Maharashtra PWD	NASHIK	Maharashtra
	ML-10394	Ms. Susan S. Thomas	B.Tech. (Civil)	Former Executive Engineer	Kerala PWD	COCHIN	Kerala
	ML-10395	Shri Arvind Dattatray Gawande	B.E. (Civil)	Former Sub Divisional Engineer	Maharashtra PWD	AMRAVATI	Maharashtra
	ML-10396	Shri Jagdeep Singh	B.Tech.	Junior Engineer	Haryana PWD (B&R)	AMBALA CANTT	Haryana
	ML-10397	Shri Randeep Singh	B.Tech.	Govt. Contractor	Haryana PWD (B&R)	KURUKSHETRA	Haryana
	ML-10398	Shri Parmod Kumar	B.Tech. (Civil)	Sub Divisional Engineer	Haryana PWD (B&R)	AMBALA	Haryana
	ML-10399	Shri Jatin	B.Tech.	Junior Engineer	Haryana PWD (B&R)	YAMUNANAGAR	Haryana
	ML-10400	Shri Narayan Das	B.E. (Civil), M.E.	Superintending Engineer	Water Resources Department	Amayurbhanj	Odisha
	ML-10401	Shri Rajesh Kumar	M.A.	Govt. Contractor	Haryana PWD (B&R)	AMBALA	Haryana
	ML-10402	Shri Sahil Verma	M.Tech.	Junior Engineer	Haryana PWD (B&R)	HISAR	Haryana
	ML-10403	Shri Viney Pal	Diploma in Civil Engg.	Junior Engineer	Haryana PWD (B&R)	REWARI	Haryana
	ML-10404	Shri M.V. Jayakumar	Diploma in Civil Engg.	A Grade Civil Engineer	Malabar Consultancy	KANNUR	Kerala
	ML-10405	Shri Prem Chand	Graduate	Govt. Contractor	Haryana PWD (B&R)	AMBALA	Haryana
	ML-10406	Shri Amandeep Singh Chaudhary	M.E. CTM	Junior Engineer	Haryana PWD (B&R)	PANCHKULA	Haryana
	ML-10407	Shri Jatin Dhiman	B.Tech.	Junior Engineer	Haryana PWD (B&R)	PINJORE	Haryana
	ML-10408	Shri Sandeep Kumar	B.Tech. (Civil)	Junior Engineer	Haryana PWD (B&R)	BAHADURGARH	Haryana
	ML-10409	Shri Sandeep	B.E.	Junior Engineer	Haryana PWD (B&R)	JIND	Haryana
	ML-10410	Shri Gourav	B.Tech.	Junior Engineer	Haryana PWD (B&R)	JIND	Haryana
	ML-10411	Shri Vishal Juglain	B.Tech.	Junior Engineer	Haryana PWD (B&R)	KAITHAL	Haryana
	ML-10412	Shri Jasvinder Singh	B.Tech.	Junior Engineer	Haryana PWD (B&R)	AMBALA CANTT	Haryana
	ML-10413	Shri Shubham	B.Tech.	Junior Engineer	Haryana PWD (B&R)	AMBALA CITY	Haryana
	ML-10414	Shri Nitesh Kumar	B.Tech. (Civil)	Junior Engineer	Haryana PWD (B&R)	GURGAON	Haryana
	ML-10415	Shri Jatin Saini	B.E. (Civil)	Junior Engineer	Haryana PWD (B&R)	AMBALA	Haryana
	ML-10416	Shri Ajay Kumar	B.Tech. (Civil)	Sub Divisional Engineer	Haryana PWD (B&R)	ROHTAK	Haryana
	ML-10417	Shri Badriprasad Salve	Diploma in Civil	Assistant Engineer	PWD (Building)	JHABUA	Madhya Pradesh
	ML-10418	Shri Ajay Bhatti	B.Tech.	Sub Divisional Engineer	Haryana PWD (B&R)	YAMUNANAGAR	Haryana
	ML-10419	Shri Ashish Kumar	B.Tech. (Civil)	Junior Engineer	Haryana PWD (B&R)	HANSI	Haryana
	ML-10420	Shri Sandeep	B.Tech.	Junior Engineer	Haryana PWD (B&R)	AMBALA CANTT	Haryana

	ML-10421	Shri Dinesh Chugh	B.Tech. (Civil)	Junior Engineer	Haryana PWD (B&R)	NEW DELHI	Delhi
	ML-10422	Shri S.Suresh	B.E. (Civil)	Deputy Chief Engineer	Karnataka PWD	TUMKURU	Karnataka
	ML-10423	Ms.Sudipta Singh	M.E. (Plg.)	Founder & MD	Sustainability Leaders Odisha Pvt. Ltd.	BHUBANESWAR'	Odisha
	ML-10424	Shri Shubham	M.Tech.	Junior Engineer	Haryana PWD (B&R)	JHAJJAR	Haryana
	ML-10425	Shri Rajat Nehra	M.Tech.	Junior Engineer	Haryana PWD (B&R)	BAHADURGARH	Haryana
	ML-10426	Shri Sumit Kumar	B.Tech. (Civil)	Executive Engineer	Haryana PWD (B&R)	ROHTAK	Haryana
	ML-10427	Shri Sandeep	B.Tech.	Junior Engineer	Haryana PWD (B&R)	AMBALA	Haryana
	IM-90227	Shri Ayush Jain	Post Graduate	CEO	Vidyut Consultants	INDORE	Madhya Pradesh
	ML-10428	Shri Gopal Chandra Sadhu	B.E. (Civil)	Former Superintending Engineer	Irrigation & Waterways Deptt.		West Bengal
	ML-10429	Shri Lokesh	B.Tech.	Junior Engineer	Haryana PWD (B&R)	KAITHAL	Haryana
	ML-10430	Shri Sumit Kumar	Diploma in Civil Engg.	Sub Divisional Engineer	Haryana PWD (B&R)	BHIWANI	Haryana
	ML-10431	Shri Mohit	B.Tech. (Civil)	Junior Engineer	Haryana PWD (B&R)	SONIPAT	Haryana
	ML-10432	Shri Mukesh Kumar	B.Tech. (Civil)	Junior Engineer	Haryana PWD (B&R)	ROHTAK	Haryana
	ML-10433	Shri Ashish Mor	B.Tech. (Civil)	Junior Engineer (Civil)	Haryana PWD (B&R)	BAHADURGARH	Haryana
	ML-10434	Shri Deepak Bhardwaj	B.Tech. (Civil)	Junior Engineer (Civil)	Haryana PWD (B&R)	KASLI	Haryana
	ML-10435	Shri Vikash	Diploma in Civil	Junior Engineer	Haryana PWD (B&R)	JHAJJAR	Haryana
	ML-10436	Shri Rajesh Kumar	B.Tech. (Civil Engg.)	Junior Engineer	Haryana PWD (B&R)	FATHEBABAD	Haryana
	ML-10437	Shri Sandeep Singh	B.Tech. (Civil)	Executive Engineer	Haryana PWD (B&R)	KARNAL	Haryana
	ML-10438	Shri Monu Saini	B.Tech. Civil Engg.	Junior Engineer (Civil)	Haryana PWD (B&R)	HISAR	Haryana
	ML-10439	Shri Amit Sharma	Diploma/B.Tech.	Proprietor	Amit Sharma Contractor	KARNAL	Haryana
	ML-10440	Shri Dharmvir	B.Tech. (Civil)	Sub Divisional Engineer	Haryana PWD (B&R)	JIND	Haryana
	ML-10441	Shri Rama Narayan Mohanty	B.Sc. Engg. (Mech.), M.Tech.	Former Chief Engineer (Mech.)	WR Department, Govt. of Odisha	BHUBANESWAR	Odisha
	ML-10442	Shri Vikash Kardwal	B.Tech.	Junior Engineer	Haryana PWD (B&R)	KARNAL	Haryana
	ML-10443	Shri Naresh Kumar	B.Tech.	Junior Engineer	Haryana PWD (B&R)	PANCHKULA	Haryana
	ML-10444	Shri Parmod Kumar	B.Tech. (Civil)	Sub Divisional Engineer	Haryana PWD (B&R)	AMBALA	Haryana
	ML-10445	Shri Anil Kamboj	B.Tech. (Civil)	Sub Divisional Engineer	Haryana PWD (B&R)	YAMUNA NAGAR	Haryana
	ML-10446	Shri Sandeep Kumar Goyal	AMIE (Civil)	Superintending Engineer	Haryana PWD (B&R)	PANCHKULA	Haryana
	ML-10447	Shri Puneet Mittal	B.Tech.	Executive Engineer	Haryana PWD (B&R)	PANCHKULA	Haryana
	ML-10448	Shri Ranbir Singh	AMIE	Sub Divisional Engineer	Haryana PWD (B&R)	SIRSA	Haryana
	ML-10449	Shri Naveen Rathee	B.Tech. (Elect.)	Executive Engineer (Elect.)	Haryana PWD (B&R)	AMBALA CANTT	Haryana
	ML-10450	Shri Pradeep G Patil Kulkarni	Diploma in Civil Engg.	Assistant Executive Engineer	Karnataka PWD	BENGALURU	Karnataka
	ML-10451	Shri A.Veeresh	B.E.	Executive Engineer	Karnataka PWD	BALLARI	Karnataka
	ML-10452	Shri D.V.Jayappa	Diploma in Civil Engg.	Assistant Executive Engineer	Karnataka PWD	KENERI	Karnataka
	ML-10453	Shri Nilesh Ganeshrao Korde	B.E. (Civil Engg.)	Deputy Engineer	MRRDA PMGSY Buldhana	BULDHANA	Maharashtra
	ML-10454	Shri Deepak Barsu Badhe	B.E. (Civil Engg.)	Junior Engineer	MRRDA PMGSY Buldhana	BULDHANA	Maharashtra
	ML-10455	Shri Sunil Vasudeo Lavhare	B.E. (Civil)	Assistant Engineer Gr-II	MRRDA PMGSY Buldhana	BULDHANA	Maharashtra
	ML-10456	Shri Mahesh Dagdu Marathe	Diploma in Civil Engineering	Junior Engineer	MRRDA PMGSY Buldhana	BULDHANA	Maharashtra
	ML-10457	Shri Ashish Chauhan	B.Tech.	Executive Engineer	Haryana PWD (B&R)	ROHTAK	Haryana
	ML-10458	Shri Yogesh Tanwar	B.Tech. (Civil Engg.)	Junior Engineer	Haryana PWD (B&R)	KURUKSHETRA	Haryana

	ML-10459	Shri Siddhartha Kumar Konda	B.Tech., M.Sc (REV)	Professional Engineer	Self Employed		Andhra Pradesh
	ML-10460	Shri Akshay Amrut Desai	B.E. (Civil)	Sub Divisional Engineer	Maharashtra PWD	KARAD	Maharashtra
	ML-10461	Ms. Amang Tadar	B.E. (Civil)	Junior Engineer	Arunachal Pradesh PWD	ITANAGAR	Arunachal Pradesh
	ML-10462	Shri C.R.Narappa	Diploma in Civil Engg.	Former Asstt. Executive Engineer	Karnataka PWD	BENGALURU	Karnataka
	ML-10463	Shri Biswamanohar Subudhi	B.E. (Civil)	Senior Technical Consultant	Odisha School Education Programme Authority	SUNDARGARH	Odisha
	ML-10464	Shri Malkapur Mallinath	Diploma in Civil, B.Tech.	Assistant Engineer	Karnataka PWD	BENGALURU	Karnataka
	ML-10465	Shri Samir Faruk Shaikh	B.E. (Civil)	Dy. Executive Engineer	R & B Deptt. Govt. of Gujarat	VADODARA	Gujarat
	ML-10466	Shri Pankaj Thapliyal	B.E. (Civil)	R.E. (Civil)	BRIDCUL	DEHRADUN	Uttarakhand
	ML-10467	Shri Pawan K.Verma	M.Tech. (Civil)	Superintending Engineer (Civil)	Haryana Shehri Vikas Pradhikaran	HISAR	Haryana
	ML-10468	Shri Pramesh Kumar	B.E., M.E. (Elect.)	Executive Engineer (Elect.)	Haryana PWD (B&R)	HISAR	Haryana
	ML-10469	Shri Mahesh Yadav	B.Tech.	Junior Engineer	Haryana PWD (B&R)	CHANDIGARH	Chandigarh
	ML-10470	Ms. Sangita Pani	M.Tech.	Superintending Engineer	Odisha PWD	BHUBANESWAR	Odisha
	ML-10471	Shri H.S.Anand	B.E. (Civil)	Superintending Engineer	Water Resource Department	TUMKUR	Karnataka
	ML-10472	Shri Vikash	B.Tech. (Civil)	Junior Engineer	Haryana PWD (B&R)	PANIPAT	Haryana
	ML-10473	Shri Ravi Kumar	B.Tech.	Govt. Contractor	Haryana PWD (B&R)	AMBALA	Haryana
	ML-10474	Shri Harpreet Singh	B.Tech.	ASDE	Haryana PWD (B&R)	CHANDIGARH	Chandigarh
	ML-10475	Shri Neeraj Kumar	B.Tech.	Assistant Engineer (Civil)	MES	GHAZIABAD	Uttar Pradesh
	ML-10476	Shri Suresh Babu Muthalayil	AMIE (Arch. Engg.)	Founder & Principal	Suresh Babu & Partners	MUMBAI	Maharashtra
	ML-10477	Shri Naveen Kumar	Diploma in Civil Engg.	Junior Engineer	Haryana PWD (B&R)	AMBALA	Haryana
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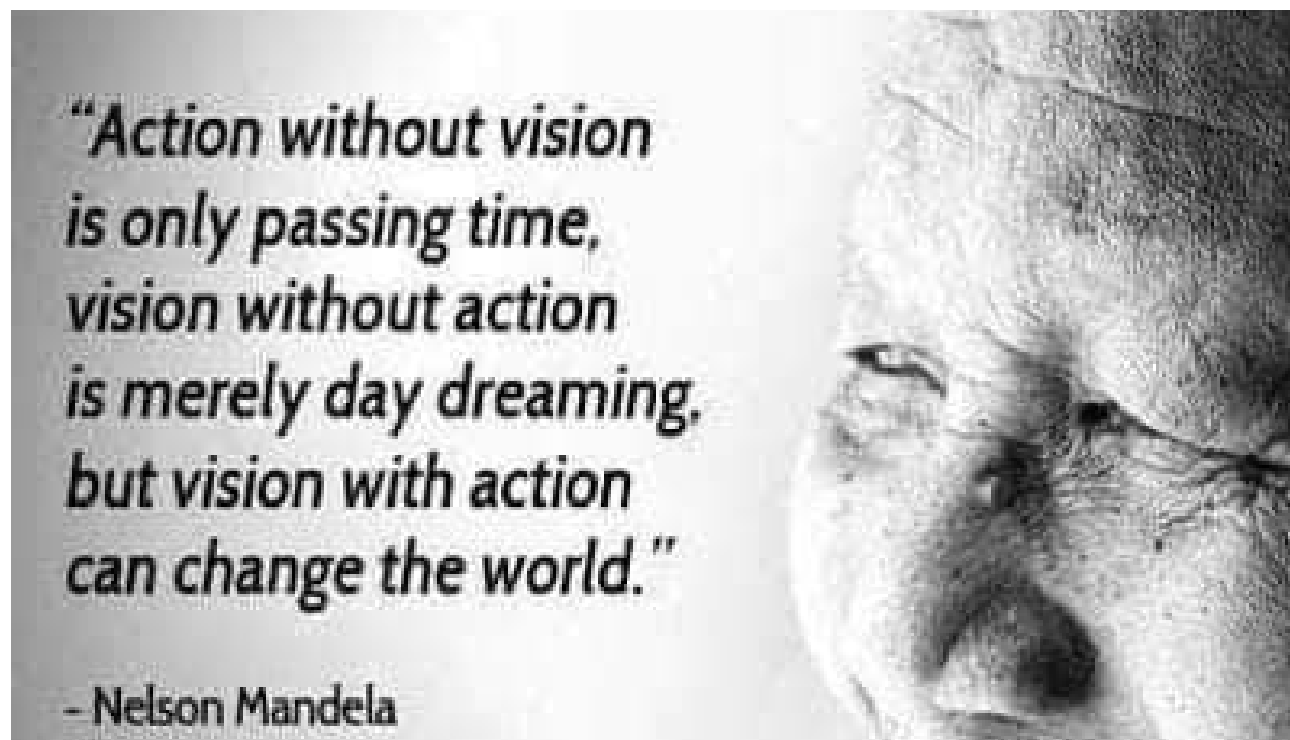
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