

INSTITUTE FOR STEEL DEVELOPMENT AND GROWTH



FOSTERING THE STEEL CONSTRUCTION ECOSYSTEM IN INDIA



STEEL HAS THE STRENGTH TO TRANSFORM THE WAY INDIA BUILDS

INSDAG supports the ecosystem through capability building in structural steel design, resource publications, technical training programmes, sustainability guidance, sector insights, policy advocacy and advisory services - helping shape safer, smarter and sustainable construction.

In construction, steel's true potential is realised through informed engineering, proven practices and the right technical expertise-enabling structures that are safer, stronger, more efficient and sustainable.

Across the UK, Japan, the USA, and other developed economies, dedicated institutions ensure the construction industry makes better use of steel. For India, that one-stop solution is INSDAG.



INDIA'S TRUSTED VOICE FOR STEEL IN CONSTRUCTION

Since 1999, INSDAG has brought the construction community, government, industry and academia together to advance the efficient and responsible use of steel.

A not-for-profit, member-based organisation, INSDAG is jointly promoted by the Ministry of Steel, Government of India, and the country's leading steel producers.

Today, it serves as a common platform for India's steel-construction ecosystem, connecting policy with practice, knowledge with application, expertise with sustainable growth.

OUR MISSION

To work in unison with all the stakeholders in the steel industry to evolve ways and means for more efficient usage of steel and provide optimum value to the customer.

OUR FOUNDING MEMBERS



इस्पात मंत्रालय
MINISTRY OF
STEEL



TATA STEEL
WeAlsoMakeTomorrow



**AM/NS
INDIA**



YOUR KNOWLEDGE PARTNER

Whether the requirement involves a structure, a construction system, a technical study, professional training, sustainability or a new application of steel, INSDAG brings together the expertise needed to move from possibility to informed action.



DESIGN SUPPORT

Structural design, vetting, proof-checking, quality assurance and application development.



TRAINING

Customised capability-building for organisations, institutions and professionals.



SUSTAINABILITY

LCA, green-building guidance and resource-efficient construction.



MARKET INSIGHTS

Technical studies and market trends.



KNOWLEDGE PARTNERSHIP

Institutional collaborations, seminars and publications.



TECHNICAL ADVISORY

Independent guidance for steel-based construction decisions.

TURNING FORESIGHT INTO STRONGER FOUNDATIONS

STEEL-CONCRETE COMPOSITE STRUCTURES

Combining the strengths of steel and concrete to support efficient, adaptable and high-performance construction.

LIGHT GAUGE STEEL FRAMING

Advancing lightweight, precise and rapidly deployable building systems.

GREEN & SUSTAINABLE BUILDINGS

Supporting environmentally responsible design through technical guidance, assessment and certification assistance.

TALL BUILDINGS WITH STEEL

Feasibility analysis, articles, and insights.

BUILDING THE ECOSYSTEM FOR STEEL APPLICATION

Connecting every key stakeholder in the steel-construction ecosystem through knowledge, expertise and collaboration on one common platform.
Together, we turn stronger ideas into smarter, safer and more sustainable construction.

STEEL PRODUCERS

Application development, market insights, training and knowledge sharing.

GOVERNMENT AND POLICYMAKERS

Technical inputs for codes of practice, policy advocacy and sector recommendations.

ARCHITECTS AND ENGINEERS

Best-practice guidance, proof-checking, specialised training and technical resources.

FABRICATORS AND CONSTRUCTION PROFESSIONALS

Skill development, technical know-how sharing and practical capability building.

BUILDING AND INFRASTRUCTURE ORGANISATIONS

Technical upskilling, quality enhancement, project planning and construction methodology guidance.

YOUNG PROFESSIONAL AND STUDENTS

National-level civil/structural and architectural competitions, internships and industry exposure.

ACADEMIC AND INDUSTRY INSTITUTES

Professional development programmes, joint initiatives, seminars and workshops.

INDUSTRY ASSOCIATIONS

Knowledge transfer through collaborative initiatives.

BUILDING CONFIDENCE AT EVERY STAGE

INSDAG brings together technical expertise and practical insight, empowering the steel industry to make informed decisions and build with confidence.

TECHNICAL ADVISORY & APPLICATION

- Structural design for steel-based technologies
- Design vetting & proof-checking
- Construction-phase inspection
- Quality assurance planning

CAPABILITY BUILDING

- Structural steel in construction
- Fabrication, erection and quality control
- Software applications and emerging technologies
- Codes of practice

SUSTAINABILITY & FUTURE-READY CONSTRUCTION

- Life cycle assessment & Life Cycle Cost Analysis
- IGBC and GRIHA rating guidance
- Resource-efficient design approaches
- Sustainability advisory

MARKET INTELLIGENCE

- Technical and market studies
- Emerging construction systems evaluation
- Industry insights and recommendations
- Policy advocacy



INSTITUTIONAL KNOWLEDGE MEETS ON-SITE PRACTICE

INDUSTRY PROFESSIONALS

Regular nominations from the following organisations for training programmes:



Reliance



Adani



Bhabha Atomic Research Centre



Engineers India Ltd.



Sobha



Siemens Energy

LEADING ORGANISATIONS

Customised training services:



Indian Railways



L&T Construction



SAIL



Tata Steel



MSP Steel

STUDENTS & ACADEMIC INSTITUTIONS

Certificate courses, technical lectures, internships and collaborative programmes:



CSIR-SERC



NIT-Trichy



IIST Shibpur

FABRICATORS, MASONS & CONSTRUCTION WORKERS

Practical programmes focused on quality, safety, right material use and better construction practices.

CONTRIBUTING TO HOW INDIA BUILDS WITH STEEL

INSDAG contributes to key Bureau of Indian Standards (BIS) and Indian Roads Congress (IRC) committees, helping develop and revise standards for safe, reliable steel construction.



INS DAG IN PRACTICE



Indira Paryavaran Bhawan | New Delhi

Central Public Works Department

Structural design support for a steel-concrete composite office building developed for a Central Government project.



Design Drawing Manual for Bridges

Ministry of Road Transport and Highways

Development of standard drawings for bridges using steel and steel-concrete composite girders.



Steel Solutions for PMGSY Rural Infrastructure

National Rural Infrastructure Development Agency (NRIDA), Ministry of Rural Development

Development of steel-based structural solutions for rural road bridges and culverts.



Bailey Bridge Analysis and Design

Garden Reach Shipbuilders and Engineers

Technical analysis and design support for modular steel bridge systems.



Steel Consumption Trend Study



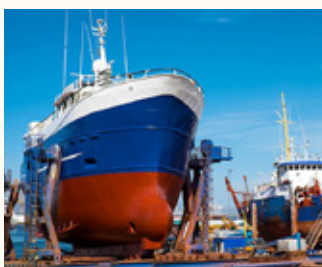
TMT Consumption Study



Solar Ancillary Structures



Steel Road Crash Barriers



Shipbuilding Study



Growth Potential of DI Pipes



EXPERTISE MADE ACCESSIBLE

INSDAG brings specialised steel-construction knowledge closer to professionals, students and industry through publications, digital platforms, practical tools, journals and knowledge-led engagement.



150+ PUBLICATIONS



KNOWLEDGE PORTAL

- Teaching resource materials
- Technical publications
- Sectoral studies
- Reports and white papers
- Design references
- Knowledge resources for professionals & students



E-CONTENT PORTAL

- TMT Estimator
- Roof Sheet Estimator
- GeoCode
- Animated videos on good construction practices



INSDAG JOURNAL

A dedicated journal featuring expert perspectives on structural design, emerging steel technologies, construction practices and sustainability.



SEMINARS & KNOWLEDGE PARTNERSHIPS

INSDAG partners with academic and research institutes like CSIR Labs, IITs, NITs and universities of repute to conduct seminars, webinars, technical presentations and collaborative knowledge dissemination sessions.



IGNITING YOUNG MINDS

Engages students through national competitions in innovative steel architecture and structural design, encouraging creativity, efficiency and sustainable thinking. It also offers internship opportunities across disciplines, giving young talent practical exposure to real-world projects.

BEST INNOVATIVE USE OF STEEL IN ARCHITECTURE

Over the years, INSDAG has organised the National Award Competition for Architecture Students to encourage the creative and innovative use of steel in real-world architectural applications. The competition provides a platform for young architects to explore steel as a versatile, sustainable and expressive construction material, while recognising and rewarding outstanding ideas that demonstrate design excellence and innovation.



NATIONAL COMPETITION FOR ARCHITECTURE STUDENTS

BEST INNOVATIVE STRUCTURAL STEEL DESIGN

Through this National Award Competition, INSDAG encourages civil and structural engineering students to apply innovative thinking and sound engineering principles to steel design. The competition recognises and rewards emerging talent for developing efficient, practical and sustainable steel-intensive structural solutions, highlighting the versatility and performance advantages of steel in modern construction.



NATIONAL COMPETITION FOR CIVIL & STRUCTURAL ENGINEERING STUDENTS

INTERNSHIP OPPORTUNITIES ACROSS PROJECTS

INSDAG offers students from diverse disciplines the opportunity to contribute to live projects. Through hands-on experience, they gain practical knowledge, industry exposure and valuable skills that make them industry-ready.





EXPANDING KNOWLEDGE THROUGH COLLABORATION

INS DAG collaborates with various academic institutions in areas of interest to augment the consumption of steel in construction.

ACADEMIC INSTITUTIONS



IIT Madras



IIT Bombay



IIT Roorkee



IIT Guwahati



IIT Varanasi



IIT Indore



IIT Tirupati



IIT Jammu



IITRAM
Ahmedabad



NIT Tiruchirappalli



NIT Durgapur



NIT Calicut



CSIR-India



SPA Vijayawada



Jamia Millia Islamia



IIST Shibpur

GOVERNMENT & INDUSTRY ORGANISATIONS



Government of
West Bengal



A Miniratna I CPSE



Kirby B
BUILDING SYSTEMS



INTERARCH

INDUSTRY ASSOCIATIONS



TECHNOLOGY & SOLUTION PARTNERS



COMPUTERS & STRUCTURES, INC.
STRUCTURAL AND EARTHQUAKE ENGINEERING SOFTWARE



MIDAS



IDEA StatiCa®



Dlubal



nhance
Digital Solutions

INSDAG MEMBERSHIP

INSDAG brings together steel users, builders, designers, engineers, architects, fabricators and industry professionals on one common platform.

Its growing network includes 1,500+ professionals, 3,000+ students, and 30+ companies and firms-encouraging exchange of knowledge, better practices and collaboration. Members receive benefits on INSDAG publications, exclusive access to select Steel Construction Institute (SCI), UK publications and special pricing for our Training programs.

Join our community and forge a bond of steel.

MEMBERSHIP CATEGORIES:

I Founding Members

V Individual Life Member

II Primary Member

VI Individual Annual Member

III Institutional Member

VII Student Member

IV Associate Members

To explore

www.insdag.com/page/membership-zone





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