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THE SMART MHE

How cranes, forklifts, material handling systems, and modular access structures are quietly transforming intra-site logistics and helping modern infrastructure projects move faster, safer, and more efficiently.

22 **Tata Motors adopts ECE R29.03 across portfolio**

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86 **Veolia delivers desalination backbone for Coromandel fertiliser plant**

I-FORM ALUMINIUM & DESIGN LLP

VERSATILE | LIGHTWEIGHT | DURABLE



BUILD FASTER.

BUILD STRONGER.

BUILD SMARTER.

"This Is an Actual Image OF I-FORM Aluminium Formwork Display at BAUMA NOIDA EXHIBITION, October 2024"

I-FORM Aluminium & Design LLP is One of India's Fastest-Growing Companies in Precision-Engineered Aluminium Formwork Technology, Delivering High-Performance Solutions for **HIGH-RISE RESIDENTIAL | PREMIUM VILLAS | COMMERCIAL | INFRASTRUCTURE** Projects.



Advanced Automated Manufacturing

Yaskawa Automated Robotic Welding Machinery and Robotic FSW for Aluminium Stiffeners

Our Aluminium Formwork Solutions Deliver:

- **Rapid Construction Cycles**
- **Superior Concrete Finish**
- **Reduced Labour Dependency**
- **High Reusability & Long Service Life**
- **Safer, Cleaner, and More Efficient Site Execution**

8.5+ LAKH SQM

--- SUPPLIED ---

400+ PROJECTS

--- EXECUTED ---

7.23 ACRES

--- FACTORY ---

200+

--- CLIENTS ---



VENKATESH KANDIKATTI
Founder & Managing Director



MALLESH VANGA
Founder & Chairman

An IIT Kharagpur and IIM Lucknow Alumnus with Strong Expertise in Operations Strategy & Project Management. He has Led Major Projects such as Lodha Palava and Runwal Gardens, Currently Drives I-FORM's Business Development, Design & Operations with a Focus on Design, Product Growth and CRM.

A Pioneer in Aluminium Formwork with 25+ Years of Experience Across Malaysia, Korea, and India. He Introduced the Aluminium Formwork to India and Leads I-FORM's Product Development, Design & Operations with a Focus on Design, Product Innovation and Quality.

TRUSTED BY 200+ RENOWNED DEVELOPERS & CONSTRUCTION FIRMS
ACROSS

HYDERABAD | BENGALURU | MUMBAI | PUNE | NCR | NAGPUR | SHOLAPUR | GUJARAT |
VIJAYAWADA | VISAKHAPATNAM | MANGALORE | KOLKATA | CHENNAI | KERALA

BUILD THE FUTURE WITH I-FORM

Not Just Formwork – A Commitment to Quality, Consistency & Speed.

For More Details, Please Visit www.iform.co.in | Head Office – HYDERABAD, TELANGANA. | Regional Offices – MUMBAI / PUNE / BENGALURU

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Advanced Aluminium Formwork Solutions For Scalable Construction

I-FORM Aluminium & Design LLP supports modern high-rise development with advanced aluminium formwork solutions that improve speed, safety, and precision.



India's construction sector is witnessing a decisive shift towards engineered formwork systems that provide speed, safety, accuracy, and sustainability. As infrastructure projects expand and urban housing demand rises, the need for advanced scaffolding and formwork solutions becomes more vital than ever.

I-FORM ALUMINIUM & DESIGN LLP is at the forefront of this transformation, offering high-performance aluminium formwork technology and engineered construction solutions tailored for modern high-rise buildings.

Engineering precision using aluminium formwork technology

Aluminium formwork technology has transformed structural execution for repetitive, multi-storey projects. Designed for accuracy and durability, I-FORM's formwork enables seamless monolithic construction—casting walls, slabs, beams, and columns in a single pour.

This integrated approach offers:

- Superior dimensional accuracy
- Consistent structural integrity
- Smooth concrete finish with minimal plastering
- Faster, more predictable floor cycles
- High reusability across multiple uses

Lightweight yet structurally robust, aluminium panels enable efficient handling and quick assembly, reducing downtime and boosting productivity on site while minimising wastage.

Enhancing safety through engineered systems

Scaffolding and formwork are not merely temporary structures — they are critical engineering components that affect project safety and stability. I-FORM emphasises systematic planning, load calculations, and quality control to ensure safe execution under dynamic construction conditions.

By integrating advanced design methodologies and strict inspection protocols, I-FORM delivers solutions

that meet project specifications and industry standards, reducing risks and guaranteeing structural reliability and quality.

Speed as a strategic advantage

In today's competitive construction environment, timely delivery is crucial. Delays impact financial planning, stakeholder confidence, and overall project viability.

I-FORM's aluminium formwork technology enables faster construction cycles, allowing developers to complete slabs sooner while maintaining consistent quality across all floors. The repeatable design ensures efficiency in large residential towers, commercial complexes, and infrastructure projects. This results in better utilisation of manpower, less material wastage, and greater project predictability.

Sustainable and cost-effective construction

Sustainability is central to I-FORM's operational philosophy. Aluminium

formwork reduces reliance on timber and can be reused multiple times, lowering environmental impact. Precise engineering minimises rework and concrete wastage, supporting resource efficiency.

Although initial costs may be higher than traditional systems, the long-term benefits—such as durability, speed, and reduced finishing costs—offer strong economic value over the lifecycle.

Technical expertise and a collaborative approach

Every project requires detailed coordination among architects, structural consultants, contractors, and site teams. I-FORM's engineering team works closely with stakeholders to develop accurate shop drawings, optimise panel layouts, and formulate execution strategies aligned with project timelines.

This collaborative approach ensures smooth implementation from design

through to dismantling, reinforcing I-FORM's reputation as a dependable technology partner.

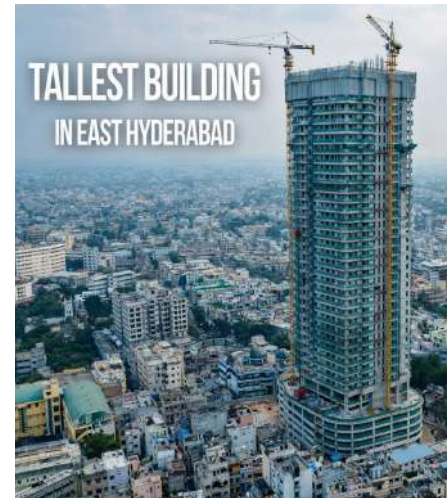
Supporting India's infrastructure growth

With increasing high-rise developments and rapid urbanisation, demand for advanced scaffolding and formwork solutions continues to grow. I-FORM ALUMINIUM & DESIGN LLP is dedicated to delivering innovative, precision-driven solutions that support India's expanding infrastructure.

Through engineering excellence, systematic execution, and quality assurance, I-FORM contributes to constructing structures that are not only faster to build but also stronger and more sustainable.

Conclusion

Scaffolding and formwork technology underpin structural execution. In this special issue on scaffolding and formwork, I-FORM ALUMINIUM



MEENAKSHI ELYSIA,
Hyderabad

& DESIGN LLP reaffirms its commitment to advancing engineered construction methods that combine speed, safety, and precision.

By embracing innovation and upholding high-quality standards, I-FORM continues to shape the future of modern construction. ■