



# TWOR INDIA (P) LTD.

- DESIGN
- DETAILING
- BIM SOLUTIONS

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## ABOUT US

**Twor India Private Limited (TIPL)** is a specialist engineering services & IT solutions company servicing clients across a range of engineering segments helping improve their engineering efficiency, support their global footprint and improve their competitiveness. Leveraging technology, domain knowledge, & our robust work planning methodology to ensure an effective global delivery model for engineering services, TIPL has emerged as a partner-of-choice for leading Domestic and International companies. TIPL engineering teams seamlessly integrates into our client's in-house engineering / product development team & environment and act as a virtual extension of their engineering enterprise.

The company is headquartered in Mumbai (India), provides services clients across the globe. TIPL consistent attention to the key deliverables of client satisfaction, timeliness, accuracy and a clear perspective of nurturing long-term relationships have ensured that we have satisfied clients across the globe. What differentiates us from other engineering services providers are our professionalism and integrity multi-cultural mind-set and dedication to use all necessary resources to meet our commitments towards the customer.

We are distinguished for our customer-centric, process-driven approach based on milestones and global cross-functional interaction. Our experience with outsourcing has enabled us to understand the requirements of domestic & international customers and consistently provide reliable engineering services for a wide spectrum of industries

## WHAT WE DO

We are committed to delivering the best designs and technical expertise to ensure the success of your project.

Our team of qualified engineers and architects ensure safe, strong and durable structures for your construction project. Nothing motivates us more than having clients entrust their design requirements to us, while they focus on their core competencies.

TIPL BIM Solutions is the most-trusted and recommended outsourcing company offering reliable and cost-efficient detailing services globally. Our core specialty is undertaking the services and using the latest forms and formats in delivering the project at the site.

## **MISSION**

Mission Help the detailed engineering industry optimize resources, cost and quality through innovative use of technology for: Sustainable and efficient design Collaborative pre-construction planning Agile construction process Reliable facility management

## **VISION**

Vision Lead the global detailed engineering industry to certainty and efficiency using technology.

## **OUR VALUES**

### **EXCELLENCE:**

We take pride in our passion for excellence. It is a way of life for us.

### **AGILITY:**

We are always at the edge of technology and driven by agile transformations.

### **RELIABILITY:**

We have ISO-certified processes and workflow to produce consistent and reliable performance.

### **TEAMWORK:**

TIPL provides an environment where teams collaborate effectively to excel.

### **HONESTY:**

We win the trust of our stakeholders through integrity, straightforwardness, and transparency



## OUR SERVICES

TIPL is committed to providing safe, efficient and cost-effective solutions to its clients. focusing on the following services.

STEEL DETAILING

PRECAST DETAILING

REBAR DETAILING

BIM SERVICES

## IT INFRASTRUCTURE AND SOFTWARE TOOLS

We have in place the latest IT infrastructure including high-speed leased line & Skype for business, which enables us to provide cost-effective solutions to our clients. We have skilled resources in all the latest software tools used in the industry which gives us the flexibility to align with the client requirements and deliver with the appropriate software. We have capabilities in the following services :

## **STRUCTURAL STEEL DESIGN & DETAILING**

- Structural Analysis and Design of Modular and Stick-Built Structures (Pipe Racks, Buildings, Equipment Supports and Packages, Pipe Rack Bridges, Power House Buildings, Control Rooms, Switch Gear Buildings & Turbine & Pump Houses).
- Connection Design of All Types of Steel Structures.
- Design of Industrial and Commercial Steel Structures.
- 3D Steel Structure Modeling.
- Analysis and Design of Pre-engineered Buildings and Sheds.
- Preparation of Erection drawings
- Fabrication / Shop drawings with all required details.
- Material procurement list & Bolt List.
- Prepare NC files for Automatic Machine

## **OUR EXPERTISE**

- Oil & Gas
- Chemical & Petrochemical
- All type of Industrial Structures
- All type of Infrastructure Projects
- PharmaceuticalsAutomotive
- Pre-Engineered Buildings
- Fertilisers

## **PRECAST DETAILING**

In Precast detailing we provide following services such as 2D, 3D Capabilities. GA, Unit & RC Drawings. Walls, Beams, Columns, Facade, Stairs etc

- Types of Precast Elements Detailed in TEKLA / REVIT / AutoCAD

## **RESIDENTIAL & COMMERCIAL STRUCTURES**

- Sandwich Wall Panels
- Balconies
- Water Treatment Storage Tanks
- Internal / External Wall Panels
- Architectural Cladding Panels
- Columns
- Beams
- Stairs & Landings
- Lift cores and Lift Shafts
- Insulated Panels
- Flat slabs / Hollowcore slabs
- Bespoke elements, etc

## **INDUSTRIAL STRUCTURES**

- Footings
- Pedestal
- Slab on Grade
- Civil/Electrical Use Pits
- Industrial Tanks
- Pipe Racks
- Culverts
- Cover Slabs, etc.

## **INFRASTRUCTURE PROJECTS**

- Abutments
- Wing walls
- Bridge Planks
- Prestressed Beams
- Piers
- Crosshead Beams
- Docks



## REBAR DETAILING

TIPL specializes in delivering high quality and cost-effective Rebar Detailing Services for Engineers, Consultants, Fabricators and Placers. We have been successful in developing long term relationship with our clients due to our consistency in quality, speed, focus on high accuracy, reliability & we Adhere to Local, State and Federal building codes and laws.

### Our Rebar Detailing Services Includes as follows

- 3D Modelling in Revit & Tekla for Rebar
- 2D Rebar Detailing Rebar CAD & CADS RC
- Scheduling & Estimation Services
- 2D Precast Detailing in AutoCAD
- Rebar Shop Drawings/Placing Drawings
- Unit & Reinforcement Drawings
- Dowel Plans, Layouts, Sectional Plans, Lifting Requirements
- As Build Drawings

### Outputs Include

- Bar Bending Schedule (BBS)
- aSa Bar List
- Drawing Formats (eg DWG., DWF, PDF, PLT etc)
- Project tracking Controls
- Clash Detection
- Other Reports as per client requirement

## OUR EXPERTISE

- High rise buildings
- Educational & Commercial Buildings
- Hospitals & health care Buildings
- Parking Structures
- Airports
- Roads & Bridges
- Waste Water Treatment Plants / Water Treatment Plants
- Stadiums
- Tilt up wall panels.





## PRECAST DETAILING SERVICES

Precision precast detailing services for seamless construction. Expert solutions enhancing efficiency and accuracy. Contact us for top-tier results.

TIPL BIM Solutions is the most-trusted and recommended outsourcing company offering reliable and cost-efficient Precast detailing services globally. Our core specialty is undertaking the services and using the latest forms and formats in delivering the project at the site.

We adhere to the following reliable and accurate resources considering all the significant aspects of the project internally and externally. Our precast detailing service is a composition of assembling the prefabricated components at the site rather than constructing it and making them a lengthy process. To ensure meeting the client's requirements, our core belief and focus are to deliver the best services that save time, resources, cost, and rework. You can rely on TIPL BIM Solutions when providing full precast detailing services.

Precast detailing services are the initial step in the construction industry to deliver the assembled and prefabricated components at the site. It is the renowned ways of the services that make construction more accessible and simpler rather than making it complex. Precast services are challenging, requiring higher accuracy and precision than other work at the site. Hence, to ensure execution is proper, we emphasize creating and detailing structures for fabrication that can be used as reusable molds for creating concrete members.

While working on a precast panel detailing project, we offer a comprehensive range of services. Considering the project's requirements, we withhold the pride and honor to deliver the best reliable, workable, and better services without overrunning the budget.

Considering the importance of the services, here is the list of precast detailing offered by TIPL BIM solutions.



## REBAR DETAILING

Your ultimate outsourcing service provider assists you in making your project more accessible, faster, and data-driven.

- Wall Panel Detailing
- Precast Shop Drawings
- Erection Drawing
- Bar Bending Schedules
- BIM Coordination
- Beam and Column Detailing
- Precast concrete wall systems
- Tilt-up panel detailing
- Precast joinery detailing
- Precast column detailing
- Precast cladding panels
- Precast engineering services
- Tekla panel detailing
- Tekla panel detailing
- Tekla precast concrete detailing
- Curtain wall panel detailing
- Precast beam-column connection detailing
- Shear wall panel detailing
- Load-bearing wall units panel detailing
- Connection and handling system design
- Formwork for cast-in-place concrete panel detailing

The services required are for all small and large BIM services projects and significant construction industries. Precast detailing services are the state of work that streamlines the overall process of the project and work at the site. Here the need for undertaking the benefits is to ensure that everything runs smoothly at the place that leads to any rework, revalidation, or delay in the deliverables.

It is a form of work that is articulated with the formation of understanding the climatic weather and condition for internal and external structures. These are ready-to-use prefabricated panels, so they are the best for getting directly installed at the construction site without any manual assistance and work. Hence, services need to be provided to make things easier, more accurate, and data-driven.



## OUR RESOURCES

TIPL BIM Solutions offer reliable services. With integrated technology and sound deliveries at the site, we have the best team available in-house. Also, the core requirements and benefits of having us as outsourcing service providers come with many advantages.

- Flexible Pricing Options
- Short Turnaround
- World-class Infrastructure
- Error-free Services
- Skilled Engineers
- Customer Support
- Data Security
- Highly Scalable Services
- Dedicate Point of Contact

The demand for the services is because they are the future of our construction world. It is the process and the service that not only save time but also provide vital services. The need will increase based on market strategy and demand with each passing day. Hence, connect with Mars BIM Solutions to outsource precast detailing services, the construction industry's future.