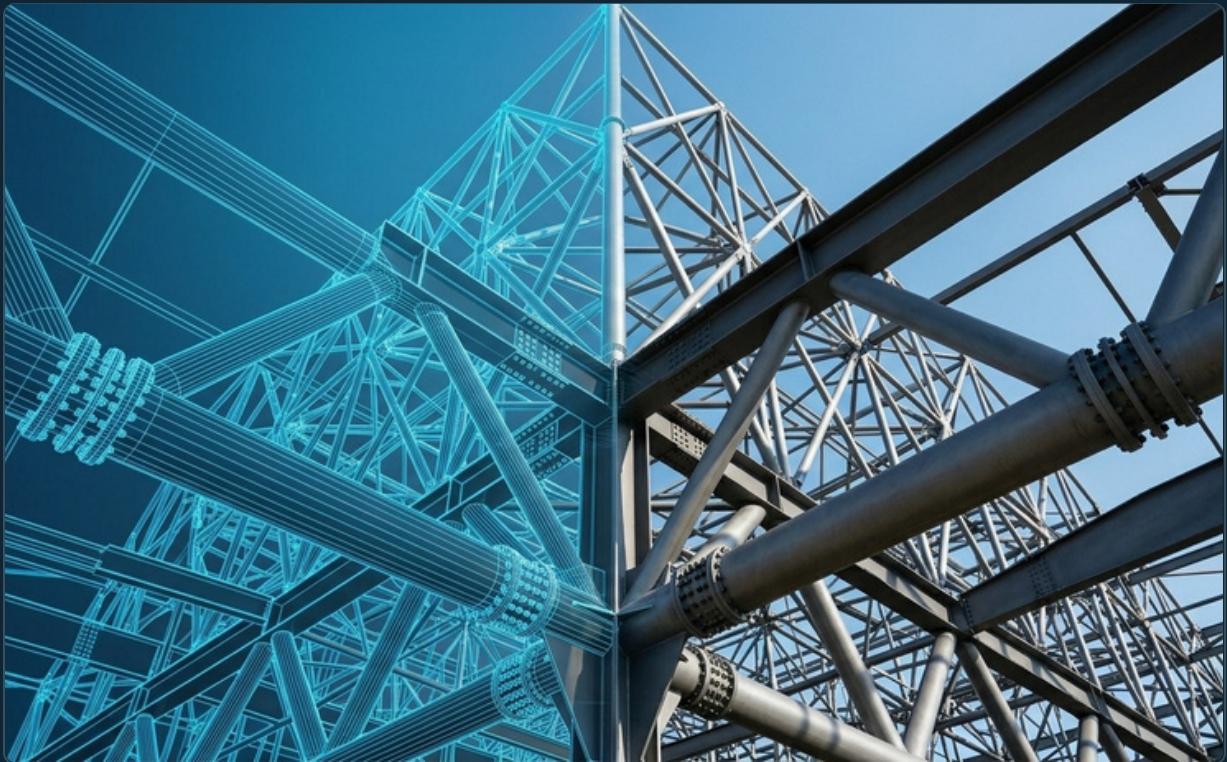


SHIV BABA

METAL CONSTRUCTIONS



CORPORATE PROFILE

Engineered Excellence. Executed Precision.

Institutional Infrastructure

Design • Fabrication • Logistics • Erection



Forging Tomorrow's Industrial Infrastructure

For over a decade, **Shiv Baba Metal Constructions (SBMC)** has stood as a foundational pillar in India's industrial evolution. We have matured from expert steel contractors into an integrated, end-to-end engineering solution provider. We spearhead projects from absolute concept to structural reality across Pre-Engineered Buildings (PEB), massive heavy conventional systems, and hyper-sterile modular clean rooms.

Our core delivery thesis is simple: **aggressively compress project lifecycles without ever compromising structural integrity, occupational safety, or premium aesthetic quality.** We accomplish this milestone through proactive front-end engineering design, robust multi-dimensional Tekla modeling workflows, and an elite, certified field workforce.



Scalable Capacity

500 MT to 25,000 MT

Equipped to smoothly deliver complex high-tonnage structural frameworks seamlessly.

Digital Engineering Stack

TEKLA & STAAD.Pro

Driven by accurate 3D workflow modeling from the initial design phase.



Core Engineering Disciplines

SBMC deploys multi-disciplinary divisions specialized in complex industrial applications. Our turnkey execution spans across the entire Indian sub-continent.



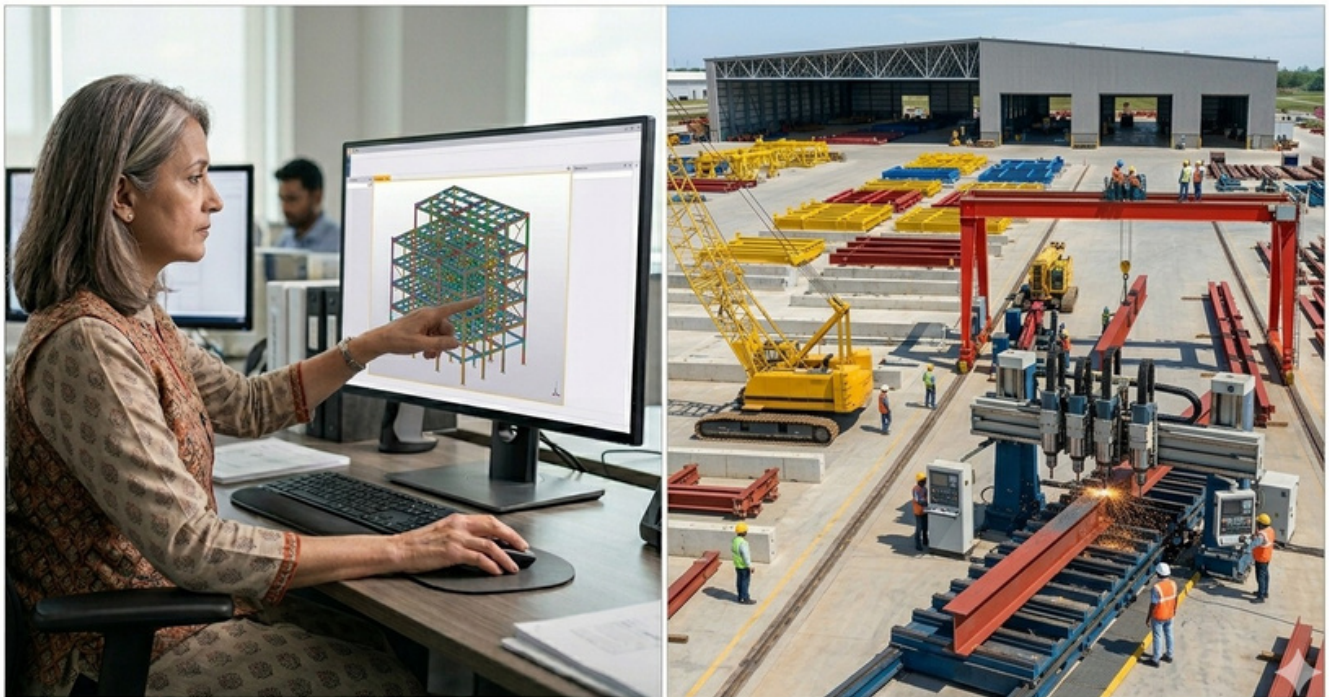
- **Pre-Engineered Buildings (PEB):** Optimized built-up frame configurations seamlessly integrated with clear spans, overhead cranes, high-capacity mezzanines, and tailored architectural fascias.
- **Conventional Heavy Structural Steel:** High-tonnage grid setups meticulously calculated for high-stress operations including large-scale rice mills, sports arenas, and manufacturing installations.
- **Truss & High Clear Span Web Systems:** Advanced open-web structural designs creating grand expansive clearances for aerospace hangars, logistics hubs, and stadiums.

Turnkey Project Execution Across India



Pre-Engineered Systems: Lighter. Faster. Smarter.

Structural steel has definitively superseded old concrete paradigms as the intelligent material choice for modern logistical setups. Our PEB engineering methods utilize sophisticated rational load distribution principles—uniting structural frames, solid secondary profiles, wind cross-bracings, and premium insulated metal sheeting.



The resulting architecture yields high-strength, minimal-deadweight property spaces that adapt effortlessly to operational layouts. All systems are explicitly prepared to take on supplementary systems like specialized gantry cranes, walk-on intermediate floors, structural canopies, and highly precise framed apertures.

Commercial Aviation Hangars

Cold Chain & Logistics Hubs

High-Tier Stadium Arenas

Pharma & Sterile Facilities



Early Steel Release & Automated Manufacturing

Our computational design and detailing facility directly links up with our manufacturing workshops. By issuing clash-free, flawless 3D models at the earliest conceptual design milestone, we enable the **Early Release of Structural Steel**. This unified methodology routinely slashes traditional project delivery schedules by weeks.

Smart Production Controls

By leveraging automated CNC drilling, multi-head oxy-fuel cutting systems, and comprehensive piece-traceability protocols, every structural module matches its digital master down to the millimeter.

Value Engineering Culture

Our practical industry experience means we optimize connections and material distributions directly on screen, driving down overall raw steel volumes while maximizing safety parameters.





High-Stakes Domain Specialization

Different industries demand bespoke structural philosophies. SBMC has established dedicated operational units to handle severe regulatory environments and complex erection challenges.

Energy & Heavy Power Sterile Clean Room Systems

Execution of complex, high-altitude heavy structures, multi-tier pipe rack loops, power plant modules, and heavy processing units.

Turnkey internal envelope configurations utilizing GI, HPL, and walk-on high-load ceiling panels for global pharmaceutical ecosystems.



Erected Blue PEB Building with Operational Gantry Crane.



Close-up of Clean, Bolted Moment Connection.



Stacks of Cladding Purl Panels (30-100mm) and Decking Sheets.



Completed Clean Room with Smooth Panels and LED Lighting.



Team of 10 Workers Positioning Large Truss in PPE.



Completed Clean Room with Smooth Panels and LED Lighting.



Stacks of Cladding Purl Panels (30-100mm) and Decking Sheets.



Night Shot of Structural Welding and Sparks.



Stacks of Cladding Purl Panels (30-100mm) and Decking Sheets.



Night Shot of Structural Welding and Sparks.



Sprawling Modern Industrial Manufacturing Plant and Steel Structure at Twilight.



Intricate Open-Web Truss Roof System in Fabrication Hall.



Projects Gallery

A visual walk through completed PEB warehouses, structural steel builds and industrial construction sites delivered across India.





Projects Gallery

Venkatramana Food Speciality Ltd





Projects Gallery

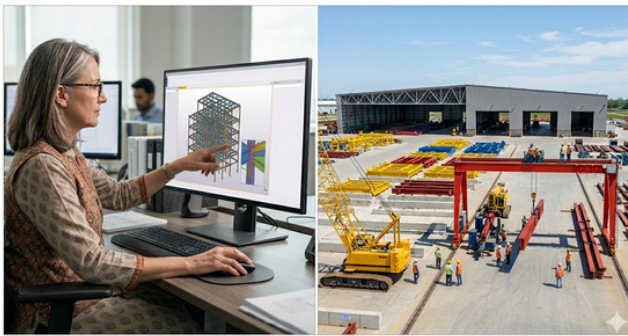
Brahma Kumaris Meditation Hall — Pondicherry





A Heritage of Concrete Results

Our visual evidence illustrates the diversity of structural profiles we maintain daily across various job sites. We demonstrate micro-precision in structural steel connections alongside grand architectural layout execution.



Precision connection & layout reviews



Grand architectural truss & clean space designs



Rigorous Quality, Zero-Compromise Safety Culture

A structure is only as reliable as the hands that assemble it. At SBMC, field erection is managed as a high-precision manufacturing event. Every structural lift, moment connection tensioning, and quality-vetted weld is performed under the direct oversight of veteran structural engineers.



We boast a robust, highly stable in-house pool of certified structural weld craftsmen, experienced rigging experts, and meticulously trained safety officers, minimizing reliance on unstable casual laborers. Site-specific safety plans, regular toolbox target alignment briefings, and 100% PPE compliance protect your project asset path completely.



Beyond Construction: Strategic PMC Oversight

For elite client groups seeking dedicated technical governance without engaging a full construction outfit, SBMC deploys a specialized **Project Management Consultancy (PMC)** group. In this capacity, we act as an authoritative technical advocate for your interests, managing cost profiles, tracking program milestones, and guaranteeing absolute quality metrics.



- ✓ Comprehensive structural evaluation and technical value engineering loops.
- ✓ Strict manufacturing oversight at fabricator factories to verify raw design adherence.
- ✓ Rigorous on-site assembly safety control, crane setup plans, and weld qualification tracking.
- ✓ Budget management, change-order defense engineering, and schedule preservation tracking.



Partner With Us For Your Next Venture

Invite our industrial design division to participate in your early planning phases. Contact us today to request a comprehensive TEKLA model walkthrough, plant capabilities tour, or local structural reference site visit.

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