



BOLTORQ
INFRACON PVT LTD

BUILDING
STRONGER
INFRASTRUCTURE
TOGETHER

COMPANY PROFILE &
PROJECT CAPABILITY STATEMENT

ENGINEERING EXECUTION EXCELLENCE

Heavy Steel Fabrication | Welding |
Structural Assembly | Erection |
Precision Alignment | Strengthening



FABRICATION
& WELDING



STRUCTURAL
ASSEMBLY



PIPE SEGMENT
WELDING & ERECTION



PRECISION
ALIGNMENT



STRENGTHENING
& ERECTION

AT A GLANCE

ENGINEERING SOLUTIONS FOR A STRONGER TOMORROW

BOLTORQ INFRACON PRIVATE LIMITED is an engineering and project execution company specializing in heavy steel fabrication, structural fabrication, welding, assembly, precision alignment, strengthening and erection works for industrial and infrastructure projects.

We bring together skilled manpower, advanced execution practices and a safety-first approach to deliver reliable, high-quality solutions in challenging and time-sensitive environments.



OUR CORE CAPABILITIES



Heavy Steel Fabrication

Precision fabrication with a focus on dimensional accuracy and quality.



Pipe/Segment Fit-up & Welding

Controlled alignment and high-quality welds for critical structures.



Structural Assembly

Efficient assembly with sequence planning and quality checks.



Precision Alignment

Centerline, elevation, orientation and dimensional verification.



Segment Erection

Safe lifting, positioning and final placement with proper supports.



Structural Strengthening

Site modification and retrofitting in operational or constrained environments.



Project Supervision & QA/QC

Daily progress control, inspection coordination and safe site execution.

PROJECT ENVIRONMENTS



Industrial Plants



Infrastructure Projects



Metro Works



Coastal Infrastructure



Operational Facilities



Restricted-Access / Critical-Path Works



**BUILT ON ENGINEERING.
DRIVEN BY EXECUTION.**

At BOLTORQ INFRACON, we don't just build structures — we build trust through quality, precision and performance.



OUR MISSION

Deliver safe, high-quality and timely engineering solutions that create lasting value for our clients and partners.



OUR VISION

To be a trusted engineering and project execution partner, recognized for excellence, safety and innovation in every project we undertake.



OUR VALUES

- Safety First
- Quality Always
- Integrity in Action
- Commitment to Delivery



3. CAPABILITY FOR PIPE SEGMENT WELDING & ERECTION

Proposed execution capability for
Tata Hydro Projects – Khopoli.

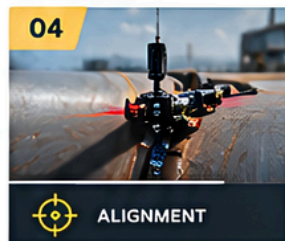
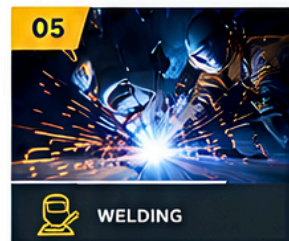
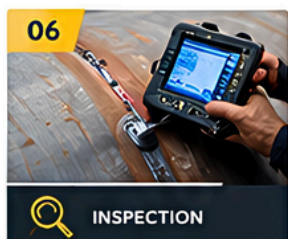
BOLTORQ INFRACON brings the technical manpower, supervision and execution capability for pipe segment welding, assembly and erection in challenging industrial environments with a focus on quality, safety and timely completion.



EXECUTION CAPABILITY

ACTIVITY		EXECUTION CAPABILITY
	Material & Segment Handling	Receiving, identification, inspection, safe shifting and traceability.
	Fit-Up & Alignment	Segment positioning, edge preparation verification, root gap, mismatch, centerline and elevation control.
	Welding	Competent/qualified welding manpower, controlled welding sequence, root/fill/cap welding and inter-pass inspection.
	Quality Inspection	Visual, dimensional and applicable NDT inspection with rectification and documentation.
	Segment Assembly & Erection	Assembly, lifting, positioning, temporary supports, final welding/bolting and dimensional verification.
	Completion & Handover	Final inspection, punch-point closure, documentation, housekeeping and handover.

PROPOSED PIPE SEGMENT EXECUTION METHODOLOGY



SAFETY FIRST
Safe work practices
in every step.



QUALITY ASSURED
Precision and
reliability.



TIMELY EXECUTION
On schedule,
every time.



EXPERIENCED TEAM
Skilled manpower
and supervision.



PROJECT 01

JSPL ANGUL

STEEL PLANT PROJECT

Angul, Odisha

Executed structural fabrication, heavy steel assembly and erection works for JSPL Angul Steel Plant, ensuring high precision, quality and timely delivery in a challenging industrial environment.



CLIENT



JSPL (Jindal Steel & Power) is one of India's leading integrated steel and power companies, known for its world-class facilities and commitment to sustainable growth.



Structural Assembly & Erection



Heavy Steel Welding



Fabrication & Fit-Up

PROJECT HIGHLIGHTS



Structural Fabrication
Heavy steel fabrication with accuracy and quality.



Welding
Qualified manpower and controlled welding sequence.



Assembly & Erection
Safe handling, positioning and final alignment.



Quality & Safety
Inspection and compliance at every stage.



PROJECT 02

ESSAR CONSTRUCTION JSL, JAJPUR

 Jajpur, Odisha

Executed structural fabrication, heavy steel assembly and erection works for Essar Construction (JSL), ensuring precision, quality and timely delivery in a challenging industrial environment.



CLIENT



The JSL (Jindal Steel Limited) is a leading steel manufacturing and infrastructure company in India, known for its commitment to quality, innovation and sustainable growth.

KEY SCOPE



Structural Fabrication
Heavy steel fabrication with accuracy and quality.



Welding
Qualified manpower and controlled welding sequence.



Assembly & Erection
Safe handling, positioning and final alignment.





PROJECT 03

MUMBAI ARC COASTAL ROAD

 Mumbai, Maharashtra

Executed fabrication, assembly and erection works for the Mumbai Arc Coastal Road Project, contributing to a major coastal infrastructure initiative with a focus on precision, quality and timely delivery.

CLIENT



HCC Infrastructure is a leading construction and infrastructure company in India, known for its expertise in large-scale infrastructure projects and engineering excellence.



PROJECT HIGHLIGHTS



Steel Bridge Structure

Fabrication, assembly and erection of arch bridge components.



Precision Execution

Focus on alignment, fit-up and quality welding.



Infrastructure Impact

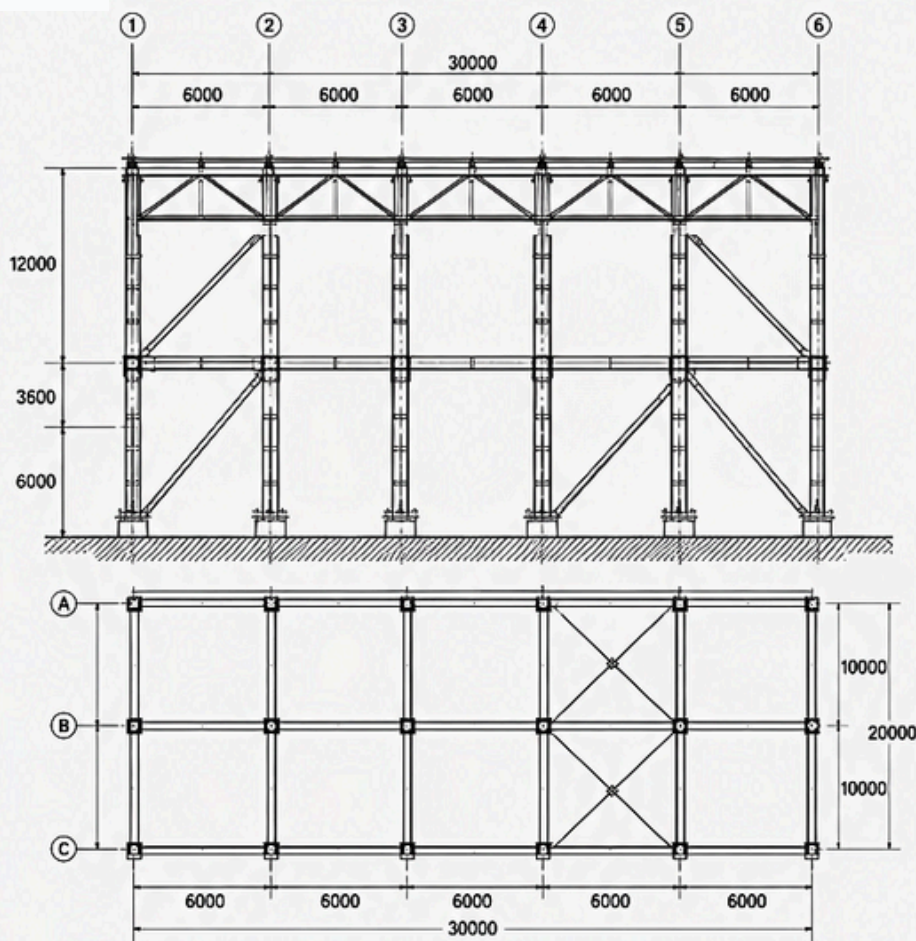
Supporting a key coastal infrastructure project for Mumbai.

ONGOING PROJECTS

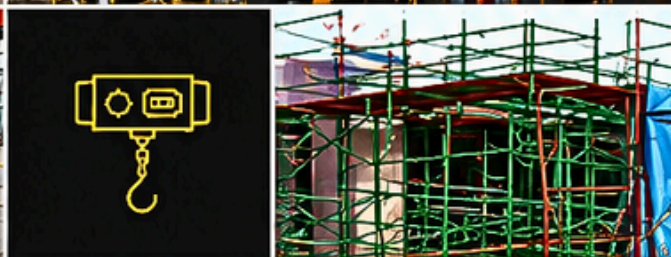


**TATA MOTORS PVT LTD,
SANAND**
DEC 25 - PRESENT

Building strengthening and alignment works were executed at the Tata Motors Sanand site to enhance structural stability and operational safety. The scope included structural assessment, realignment of existing members, reinforcement of load-bearing elements, and precision alignment to meet design and safety standards. All activities were carried out with minimal disruption to ongoing plant operations, ensuring compliance with quality, safety, and engineering specifications while improving the long-term durability and performance of the facility.



TATA MOTORS



**BRINGING IDEAS & INNOVATION
TO LIFE THROUGH TECHNOLOGY**



**STRUCTURAL
STRENGTHENING**

Strengthening existing structures to enhance load capacity and overall safety performance.



**ALIGNMENT &
PRECISION**

Accurate realignment of structural members for improved stability and operational efficiency.



**SAFETY &
COMPLIANCE**

Adhering to industry standards to ensure a safe and secure working environment.



**MINIMAL
DISRUPTION**

Executing works efficiently with minimal impact on ongoing plant operations and productivity.



BOLTORQ
INFRACON PVT LTD

One Stop, Ultimate Solution

ONGOING PROJECT



INDORE UNDERGROUND METRO PROJECT FABRICATION OF STRUCT AND WELLAR WORK

WORK CONTRACT AWARDED BY

HCC

We are proud to be a part of the Indore Underground Metro Project, contributing to the city's modern infrastructure development.

Our scope includes fabrication of steel structures and execution of wellar works with precision, ensuring high quality, safety, and timely delivery.



HIGH SAFETY
STANDARDS



PRECISION
FABRICATION



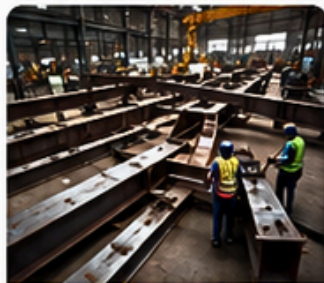
EXPERT
WORKFORCE



TIMELY
EXECUTION



QUALITY
ASSURANCE



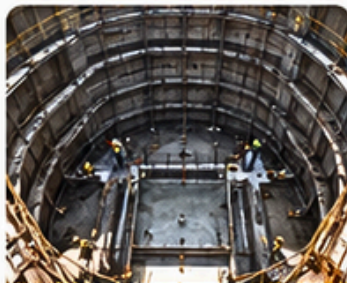
STRUCTURE FABRICATION



WELLAR WORK



REINFORCEMENT WORK



UNDERGROUND WORKS



**BUILDING THE FUTURE
BEYOND LIMITS**

Committed to delivering complex infrastructure solutions that drive progress and connect communities.

Bringing Ideas & Innovation
to life through technology



PROJECT 06

SHUNYA BRIDGE BKC, MUMBAI

 BKC, Mumbai, Maharashtra

Executed structural fabrication, assembly and erection works for the iconic Shunya Bridge at BKC, Mumbai, with a focus on precision, quality and timely delivery.



CLIENT



J. Kumar Infraprojects Ltd. is a renowned infrastructure and construction company with a strong legacy of delivering landmark projects across India.



KEY HIGHLIGHTS



Structural Fabrication

Precision fabrication of complex steel components.



Assembly

Controlled assembly with accurate fit-up and alignment.



Erection

Safe and efficient erection with proper coordination.



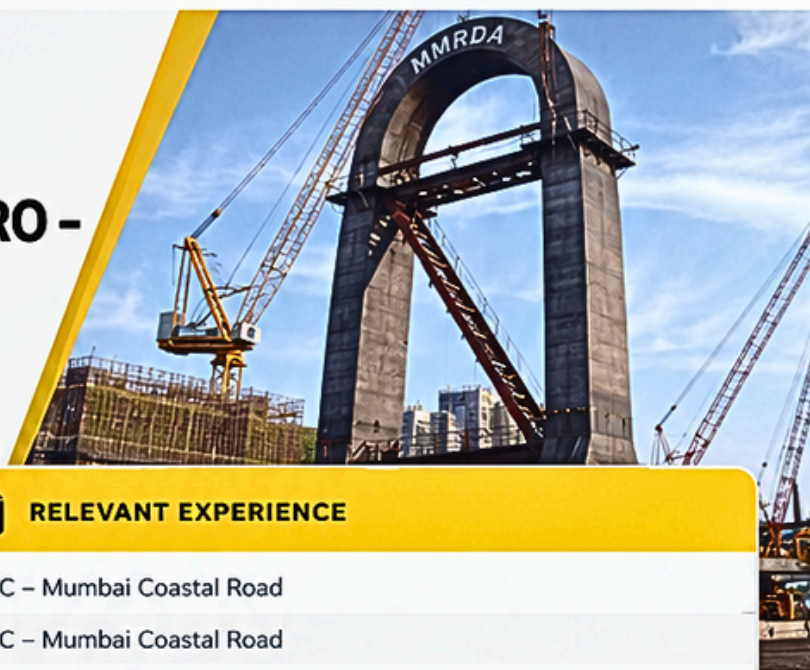
Quality & Safety

Strict quality checks and HSE compliance at every stage.



05. RELEVANCE OF OUR EXPERIENCE TO TATA HYDRO - KHOPOLI

The proposed pipe segment works require integrated welding, assembly, dimensional control, alignment and erection capability.



 REQUIRED CAPABILITY	 RELEVANT EXPERIENCE
▶ Segment welding	HCC – Mumbai Coastal Road
▶ Segment assembly	HCC – Mumbai Coastal Road
▶ Segment erection	Mumbai Coastal Road
▶ Heavy steel fabrication	JSPL – Angul
▶ Heavy steel fabrication	Essar Construction – JSL
▶ Industrial plant execution	Tata Motors – Sanand
▶ Precision alignment	Tata Motors – Sanand
▶ Structural strengthening	Tata Motors / J. Kumar
▶ Complex erection	Indore Metro
▶ Precision structural work	Iconic Shunya Pylon
▶ Infrastructure execution	Mumbai Coastal Road
▶ Restricted-access execution	Indore Metro
▶ Major contractor coordination	HCC, HCC-TPL JV, Tata Motors, J. Kumar

06. MANPOWER & SITE EXECUTION CAPABILITY



Project Manager

Site Engineers, Welding Engineer/Supervisor, Planning & Billing Engineer, Site Supervisors and QA/QC personnel.



Certified/qualified welders, structural fitters, fabricators, riggers, helpers and erection technicians.



Manpower deployment can be scaled according to work fronts, shift requirements, project quantities and approved schedule.



Specialized lifting and access equipment can be arranged based on project requirements and approved lifting plans.

**07.**

Equipment, Quality Assurance & Site Controls

We deploy modern equipment and robust quality systems to ensure efficiency, precision and safety across all project stages.



EQUIPMENT & TOOLS

- MIG/MAG & ARC welding machines
- Gas cutting equipment
- Grinding & magnetic drilling machines
- Hydraulic & torque tools
- Jacks, chain blocks, Tifors
- Lifting accessories
- Survey/alignment instruments



QUALITY CONTROL

- Fit-up inspection
- Root gap & mismatch checks
- Dimensional verification
- Visual inspection
- NDT coordination
- Weld traceability
- Punch-point closure



HSE CONTROLS

- PPE compliance
- Permit-to-work
- Hot-work safety
- Work-at-height controls
- Lifting & rigging safety
- Toolbox talks
- Fire prevention
- Housekeeping

**08.**

Quality Assurance & Control

- Quality is integrated at each stage rather than relying only on final inspection.
- Fit-up control includes joint preparation, root gap, alignment, mismatch, orientation and dimensional verification.
- Welding control includes approved procedures, competent/qualified welders, controlled sequence and applicable preheat/interpass requirements.
- Depending on project specifications, inspection/NDT may include VT, DPT, MPT, UT and RT through approved agencies.

**QUALITY
BUILDS
TRUST****09.**

Health, Safety & Environment

- Permit-to-work compliance, PPE, hot-work safety, work-at-height controls and lifting/rigging safety.
- Barricading and controlled work zones, toolbox talks, daily safety briefings and safe access.
- Specific attention to welding hazards, lifting operations, restricted areas and work at height.



SAFE PEOPLE



CLEAN ENVIRONMENT



SUSTAINABLE TOMORROW





10. WHY BOLTORQ INFRACON

PROVEN HEAVY STEEL EXPERIENCE	Industrial and infrastructure projects involving heavy steel fabrication.
SEGMENT EXECUTION EXPERIENCE	Segment welding, assembly and erection experience on major infrastructure works.
PRECISION ALIGNMENT	Structural alignment and strengthening where dimensional accuracy is critical.
SITE EXECUTION CAPABILITY	Ability to work in complex, restricted and operational environments.
EXPERIENCED MANPOWER	Skilled welders, fitters, fabricators, riggers and erection personnel.
MAJOR CONTRACTOR EXPOSURE	Experience with JSPL, Essar Construction, HCC, Tata Motors, HCC-TPL JV and J. Kumar.
MUMBAI EXECUTION EXPERIENCE	Recent exposure to Mumbai Coastal Road and BKC infrastructure projects.



11. Our Commitment to Tata Hydro Projects

BOLTORQ INFRACON PRIVATE LIMITED is committed to providing **safe, quality-oriented and timely execution** for the proposed pipe segment welding and erection works at Khopoli.

We understand that hydro-project pipe works require a high level of control over **Welding Quality + Alignment + Dimensional Accuracy + Erection Safety + Productivity.**

Our objective is to provide an integrated site execution team capable of managing the work from segment preparation and fit-up through **welding, inspection, assembly, erection, final alignment and handover.**

ENGINEERING • FABRICATION • WELDING • ASSEMBLY • ERECTION

BOLTORQ INFRACON PRIVATE LIMITED

Company Profile & Project Capability Statement



Website: www.boltorq.com