



JADRO

Jadro Steel LLP

Light Gauge Steel Frame Manufacturer



Faster! Affordable! Better! Safer! Greener!
Efficient Construction

SOFTWARE BASED DESIGNING

CNC ROLL FORMING

AUTOMATED ASSEMBLY

MECHANIZED ERECTION

Result is a machine made Galvanized Structure in Real Time



Jadro Steel LLP: Building the Future Faster

Jadro Steel LLP is a leading innovator of Pre-Fabricated Steel Building solutions in Eastern India. Our young and enterprising team of Architects, Designers, and Structural Engineers collaborate to deliver complete end-to-end solutions for client's Pre-fabricated Steel requirements.

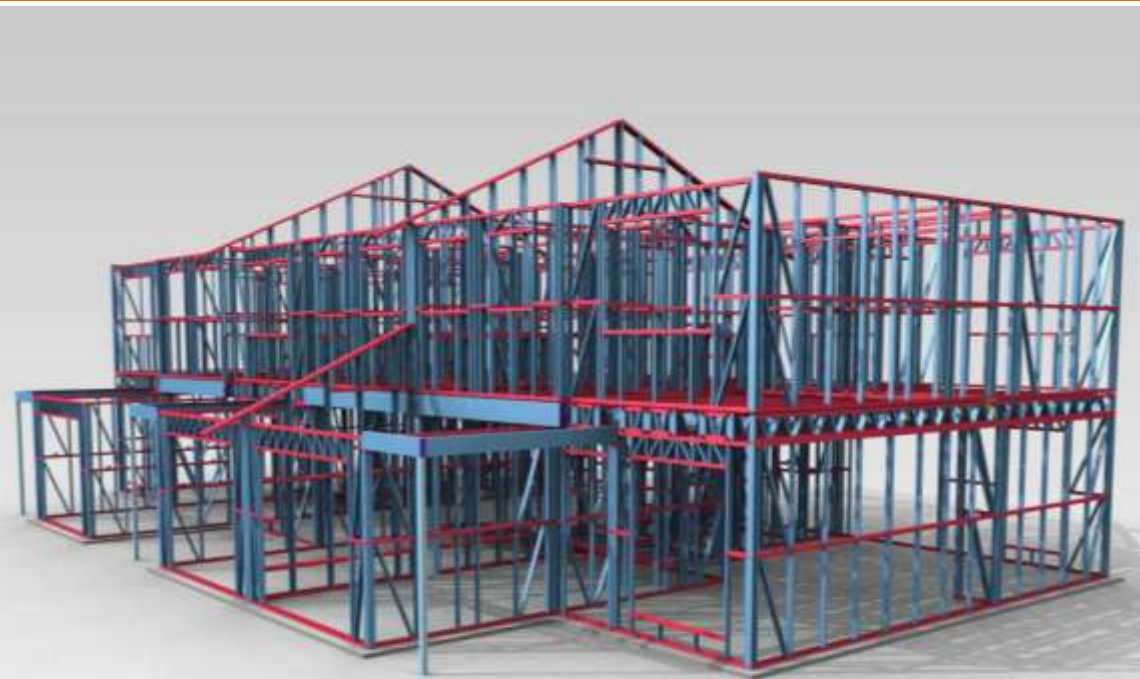
We leverage state-of-the-art **Light Gauge Steel Frame Structure (LGSF)** technology, a modern and faster process for manufacturing and erecting Pre-Fabricated Steel Building structures. Jadro is your one-stop shop for integrated steel infrastructure solutions, meticulously tailoring structures to client's unique requirements.

From initial design to final erection, we prioritize cost-effectiveness and timely delivery. We never compromise on workmanship or quality, ensuring your project not only meets your functional needs but also creates an aesthetically pleasing modern space.





Jadro Steel LLP: Introduction to LGSF



Light Gauge Steel Framing (LGSF) is a new and efficient way of construction using Galvanized profile Steel frame members to form structural components. This Light-Gauge galvanized steel system is effective in constructing modern, contemporary designs over multiple stories.

These structures are so designed to function as independent load-bearing frames capable of balancing vertical as well as lateral loads down to the building foundation.

We offer a full design and supply service, including Architectural, Mechanical, Electrical and Structural solutions, and therefore can provide a turnkey package for all needs of our esteemed customers.





Jadro Steel LLP: Benefits of LGSF



Intelligent
Construction



Recycle
Reuse



Earthquake &
Typhoon Resistant



High strength to
weight ratio



Fast Installation



Environment
friendly & Fire
proof



Long Life



Economical



Anti-Corrosion
Coating



Very low
maintainace



Fire Proof



Design Flexibility



Application of LGSF



Residential Building



Institutional Building



Commercial Building

- Resort Structure
- Bungalow
- Villa
- Multi-Storey Building
- Roof Top Extensions
- Steel Building in Hill Area

- Hospital Building
- School Building
- Hostel Building
- Exhibition Hall
- LGSF Industrial Sheds
- Modular Construction
- Military Housing
- Dry Wall Partition

- Office Building
- Affordable Housing
- Labour Quarter
- Gymnasium
- Play House
- Site Office
- Shopping Centre
- Retail
- Rehabilitation Camp



Jadro Steel LLP: Construction Tech Comparison

Parameters	LGSF Structure	MS Tubular Structure	RCC Structure
Maintenance Requirement	Low	High	Low
Erection Process	Manual lifting & erection possible. Lesser requirement of site workforce.	Heavy lifting equipment needed	Heavy material handling needed at the site. More requirement of onsite workforce
Environment Friendly	Can Recycled and Reused in different location	Can only be recycled	Recycle or Re-using in different Location on possible
Strength Vs Weight Ratio	More	Less	Least
Installation Quality Assurance	Better. No welding required onsite. Factory-made components available.	Difficult to maintain site quality as direct welding might be needed at Site	More onsite work, close monitoring needed to maintain quality assurance
Possibility of Premium Look & Feel	Premium look & feel possible	Premium look & feel NOT possible	Premium look & feel possible
Seismic Resistance	High	Relatively Low	Lower than MS Structure
Time to Construct	One 2000 sqft. house can be constructed approximately in 1 months	One 2000 sqft. house can be constructed approximately in 2 to 3 months	One 2000 sqft. house construction generally takes 3 to 4 months
Foundation Requirement	Light and low depth Foundations needed	Light and low depth Foundations needed	Heavy and high depth Foundations needed
Level of Difficulty to construct in Difficult Terrain	Low	Medium	Highly Difficult



Jadro Steel LLP: Executed Projects



Quarantine Centre



Bungalow



Labour Quarter



Site Office



Conference room



Dormitory



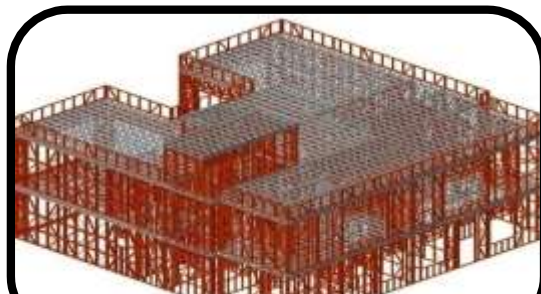
Sequence of Construction



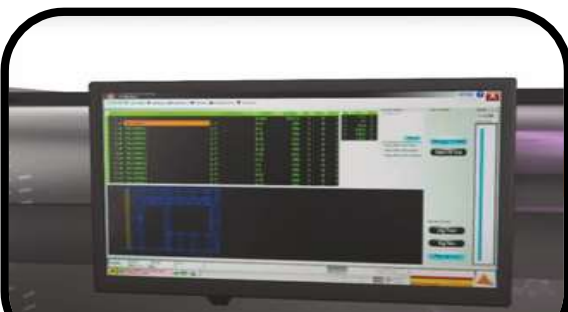
CAD DESIGN



3D MODELING



STRUCTURAL ANALYSIS



DESIGN SENT TO MACHINE



PROFILING



PROFILE ASSEMBLY



ERECTION



SKELETAL FRAME



FINISHED STRUCTURE



JADRO STEEL LLP

Our Mission

To work towards a comprehensive and integrated approach for Cost-effective, Environment-Friendly, Disaster Resistant building structure from domestically available materials for sustainable development of modern infrastructure.

Our Vision

To move forward towards a Faster, Greener, Smarter and more Efficient Construction process.
Let's save time! Let's save money! Let's save water! Let's save sand! LET'S GO GREEN with LGSF STRUCTURE!

Our Motto

Q = Unmatched Quality
P = Right Price
T = Stipulated Time Delivery
M = Made in India





Jadro Steel LLP: Why Choose Us?

Focus on speed and efficiency:

- We build your future, faster. LGSF technology allows for rapid construction, getting your project up and running in no time. We deliver results quickly and efficiently.
- Time is money. We understand the importance of meeting deadlines and exceeding expectations.

Focus on quality and innovation:

- Built to last. We use quality materials and skilled professionals to ensure your building stands the test of time.
- Innovation meets expertise. We leverage cutting-edge technology and experience to deliver exceptional results.

Focus on cost-effectiveness and value:

- Smarter building, smarter budget. We prioritize frugal solutions without compromising on quality.
- Get more for your investment. LGSF technology offers significant cost savings compared to traditional methods.

Focus on customer service and partnership:

- Your vision, our passion. We work closely with you to understand your needs and bring your vision to life.
- More than just builders, we're partners. We're here to guide you every step of the way, ensuring a smooth and stress-free experience.



Frequently Asked Question

Is LGSF safer than RCC?

As LGSF is lighter than other systems and the loads are distributed on all the load bearing walls, it is exposed to less earthquake force.

What is the average life of a LGSF Structure?

LGSF Structures are designed to last for about 50 years like all other structures.

Can LGSF be used for different applications?

In-numerous designs of Residential, Commercial & Industrial Buildings can be made in LGSF. In fact designs not possible in RCC can also be made with LGSF in combination with Hot Rolled Steel.

How many floors can LGSF System build?

Generally up to 2 floors can be build in pure LGSF and beyond that it can be built as hybrid construction with Hot Rolled Steel or RCC.

What size structures can be built?

Any size structures can be built in the design provided it is financially viable.

How long does it take to build with LGSF?

Time is the biggest advantage of LGSF. Houses can be built in almost 1/3 time compared to conventional RCC.

Can LGSF construction be shifted in the future?

Though it is little difficult to disassemble and move the house after construction but yes it can be shifted but with some wastage and breakage.

How is Electrical, Plumbing & HVAC installations done?

Service holes are left in the steel sections for the conduits to pass. All installations are pre-planned during design stage.

Will the house become very hot in summer and very cold in winter?

In fact it is the opposite. Thermal insulation material is provided inside the walling system. This keeps the occupants cool in summer and warm in winter. Therefore it also helps save a lot on electricity bills.





General Price List As on 01.01.2024

SI No.	Structure Category	Super Structure	AFFORDABLE	STANDARD	DELUXE	PREMIUM	LUXURY	SUPER LUXURY+FURNITURE+LANDSCAPING
1	STRUCTURAL DESIGN PACKAGE							
2	ARCHITECTURAL DESIGN PACKAGE	×	×	×				
3	INTERIOR DESIGNING	×	×	×	×	×		
4	LGSF & HR STEEL							
5	STEEL ACCESSORIES							
6	ROOF INSULATION	×	×	8mm Air Bubble Insulation	10mm Air Bubble Insulation	PUF Insulation	10 mm XLP Insulation	12mm XLP Insulation
7	WALL INSULATION	×	×	50mm/48 Density rockwool	50mm/64 Density rockwool	75 mm/48 Density rockwool	75 mm/64 Density rockwool	75 mm/48 Density Mineral Wool
8	WATER VAPOUR BARRIER FOR EXTERNAL WALL	×	×					
9	SINGLE LAYER EXTERNAL WALL	12 mm Cement fibre Board	12 mm Cement fibre Board	8mm Cement fibre Board	9 mm HD Cement fibre Board	9 mm HD Cement fibre Board	9 mm HD Cement fibre Board	12mm HD Cement fibre Board
10	DOUBLE LAYER EXTERNAL WALL	×	×	6mm Cement fibre Board	8 mm Cement fibre Board	8 mm Cement Plank Board	Brick / Miral / Crumpled/ Sand slate Cement fibre Board	Wodden look alike PVC Panels
11	SINGLE LAYER INTERNAL WALL	12 mm Cement fibre Board	12 mm Cement fibre Board	12 mm Cement fibre Board	8mm Cement fibre Board	10mm Cement fibre Board	8 mm HD Cement fibre Board	10 mm HD Cement fibre Board
12	DOUBLE LAYER INTERNAL WALL	×	×	×	12.5 mm Gypsum Board	8mm Calcium Cilicate Board	10mm Calcium Cilicate Board	Wodden look alike PVC Panels, Fire proof Plywood
13	EXTERNAL WALL PAINT FINISH	×	2 Coat Primer with tincher	1 coat Primer 2 coat snowcem	1 coat Primer 2 coat ACE Paint	1 coat Primer 2 coat Apex Paint	1 coat Primer 2 coat Ultima Paint	2 coat Primer 2 coat Ultima Paint
14	INTERNAL WALL PAINT FINISH	×	2 Coat Primer with tincher	1 coat Primer 2 coat Tractor Emulsion	1 coat Primer 2 coat Plastic Paint	1 coat Primer 2 coat Plastic Shine Paint	1 coat Primer 2 coat Royale Paint/Wallpaper	1 coat Primer 2 coat Royale Paint/Wallpaper/Tile/Veneer
15	ROOFING	0.45mm Colour Sheet	0.45mm Colour Sheet	0.50mm Colour Sheet	0.50mm Colour Sheet in tile profile	PUF Panel	Cement Fibre Board + Shingle	Heavy duty Shingle / Roof tile
16	ROOFING ACCESSORIES	Ridge Cover	Ridge Cover	Ridge Cover+Gable Trim	Ridge Cover+Gable Trim+Gutter + Down Take pipe	Ridge Cover+Gable Trim+Corner Flashing + Gutter+Down Take pipe(PPGL)	Ridge Cover+Gable Trim+Corner Flashing + Gutter+Down Take pipe(UPVC in white colour)	Ridge Cover+Gable Trim+Corner Flashing + Gutter+Down Take pipe(UPVC in roofing colour)
17	FALSE CEILING	×	×	2x2 Grid Ceiling	POP	Gypsum Plain ceiling	Gypsum with Tray Light	Fancy Ceiling

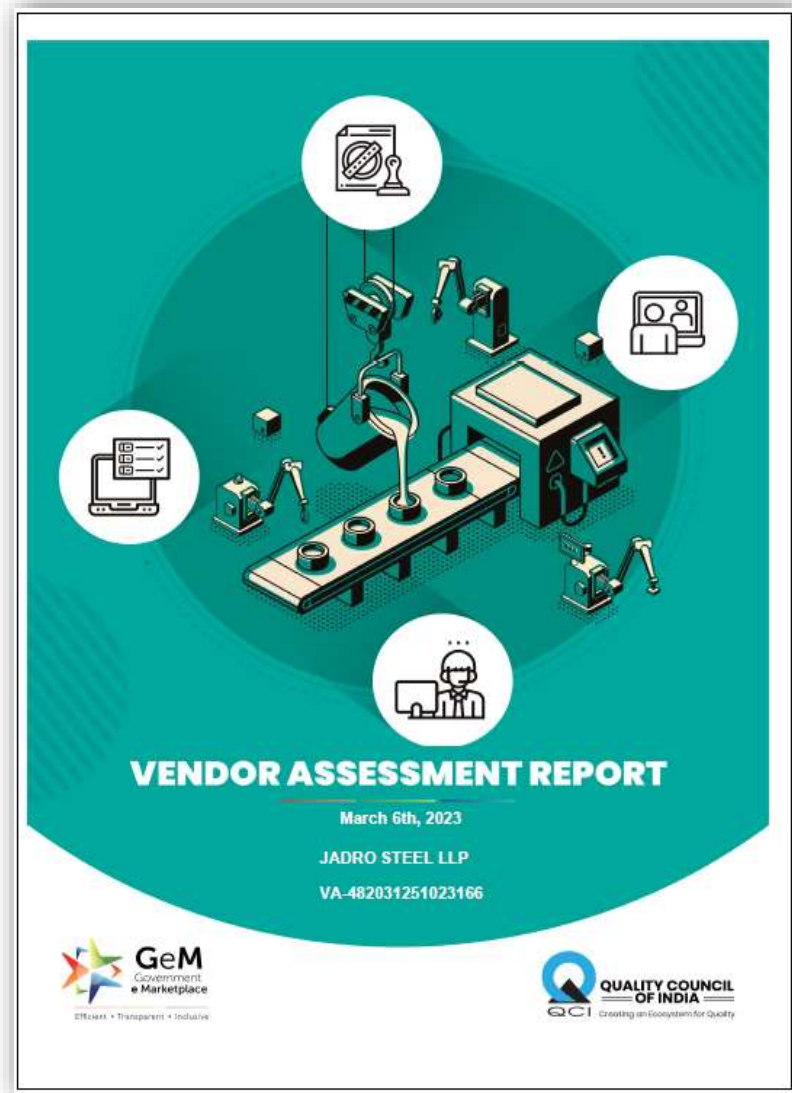


General Price List As on 01.01.2024

18	ELECTRICALS	×	Coduit Piping, wires, Switches, MCB (Pritam) Tube Lights, ISI Make Fans	Coduit Piping, wires, Modular Switches, MCB, LED Lights, Fans (Anchor)	Coduit Piping, wires, Switches, MCB (Havells/Mescab), LED Lights, Bajaj Fan	Coduit Piping, wires, Switches, MCB (Legrand), Syska LED Lights, Crompton Fans	Coduit Piping, wires, Switches, MCB (Schneider), Philips LED Lights, Orient Fans	Coduit Piping, wires, Switches MCB (ABB), Philips LED Lights, Orient Fancy Fans
19	PLUMBING	×	Shower, WC, Basin of ESSCO make	Shower, WC, Basin of ESSCO make	Shower, WC, Basin of Parryware/ Hindware	Shower, WC, Basin of Jaguar	Shower, WC, Basin of Kohler	Shower with glass cubicle, WC, Basin of Kohler
20	WATER PROOFING	×	×	×	Toilets	Kitchen + Toilets	Kitchen + Toilets + Roof	Kitchen + Toilets + Roof
21	FLOORING	×	Vinyl carpet	Basic Vitrified	Standard Vitrified	Premium Vitrified	Italian Marble (Bodochino/Dyna)	Italian Marble (Brashia)
22	BATHROOM TILING	×	×	Basic Tile	Standard tile	Premium Tile	Ultra Premium Tile	Imported Tile
23	DOORS	×	25mm Painted Flush door with hash Bolt	25mm Laminated Flush door with concealed lock + Handle	25mm Laminated Flush door with concealed lock + Handle (Godrej)	32mm Flush door with Veneer Polish concealed lock + Handle (Godrej)	32mm Flush door with Veneer Malamine Polish concealed lock + Handle (Yale)	32mm Flush door with Veneer - Malamine/DUCO concealed lock + Handle (Yale)
24	WINDOWS	×	Al. Sliding with 4mm glass	Al. Sliding with 4mm glass + Railing	Al. Sliding Powder Coated with 5mm glass + Railing	UPVC	UPVC with tinted film	UPVC with Tinted Glass
25	AIR CONDITIONING	×	×	×	× (Electrical Point to be provided)	Split LG/Samsung in bedrooms	Split Daikin in bedrooms+Drawing	Split Mitsubishi in bedrooms+Drawing
26	GEYSER	×	×	×	× (Electrical Point to be provided)	15Ltr. Bajaj Make in each toilet	15Ltr. Jaguar Make in each toilet	15Ltr. AO Smith Make in each toilet
27	KITCHEN FINISHING	×	×	Kitchen Stand with Fibre Cement Board top	Kitchen Stand with Kota stone top	Kitchen Stand with Granite top	Modular Kitchen with Granite top	Fancy Modular Kitchen with Granite top
28	LOOSE FURNITURE	×	×	×	×	×	×	Modern Trendy Furniture
29	LANDSCAPING	75	×	×	×	×	×	upto 15 feet on 2 sides of the Structure
30	FOUNDATION	×	×	×	×	×	×	×
31	PRICE PER SQ. FEET	Rs.1200/-	Rs.1500/-	Rs.2100/-	Rs.2575/-	Rs.3850/-	Rs.5400/-	Rs.8100/-
32	EXTRA COST FOR G+1	400/-	500/-	600/-	600/-	600/-	600/-	600/-
33	TRANSPORT PER SQ. FEET	ACTUALS	ACTUALS	ACTUALS	ACTUALS	ACTUALS	ACTUALS	ACTUALS
34	GST @ 18%	Extra	Extra	Extra	Extra	Extra	Extra	Extra
35	SAMPLE							

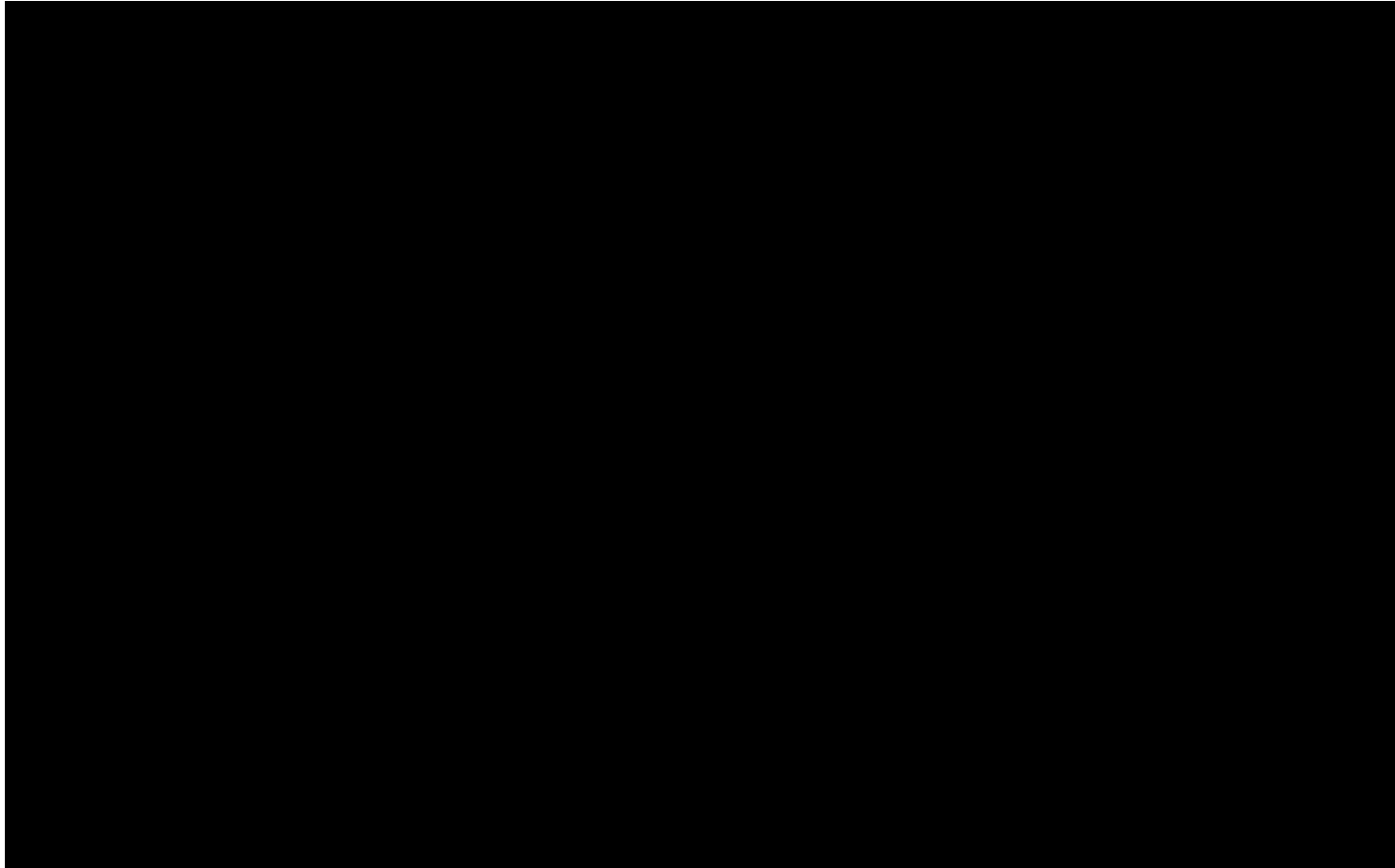


Jadro Steel LLP: ISO 9001 Certified





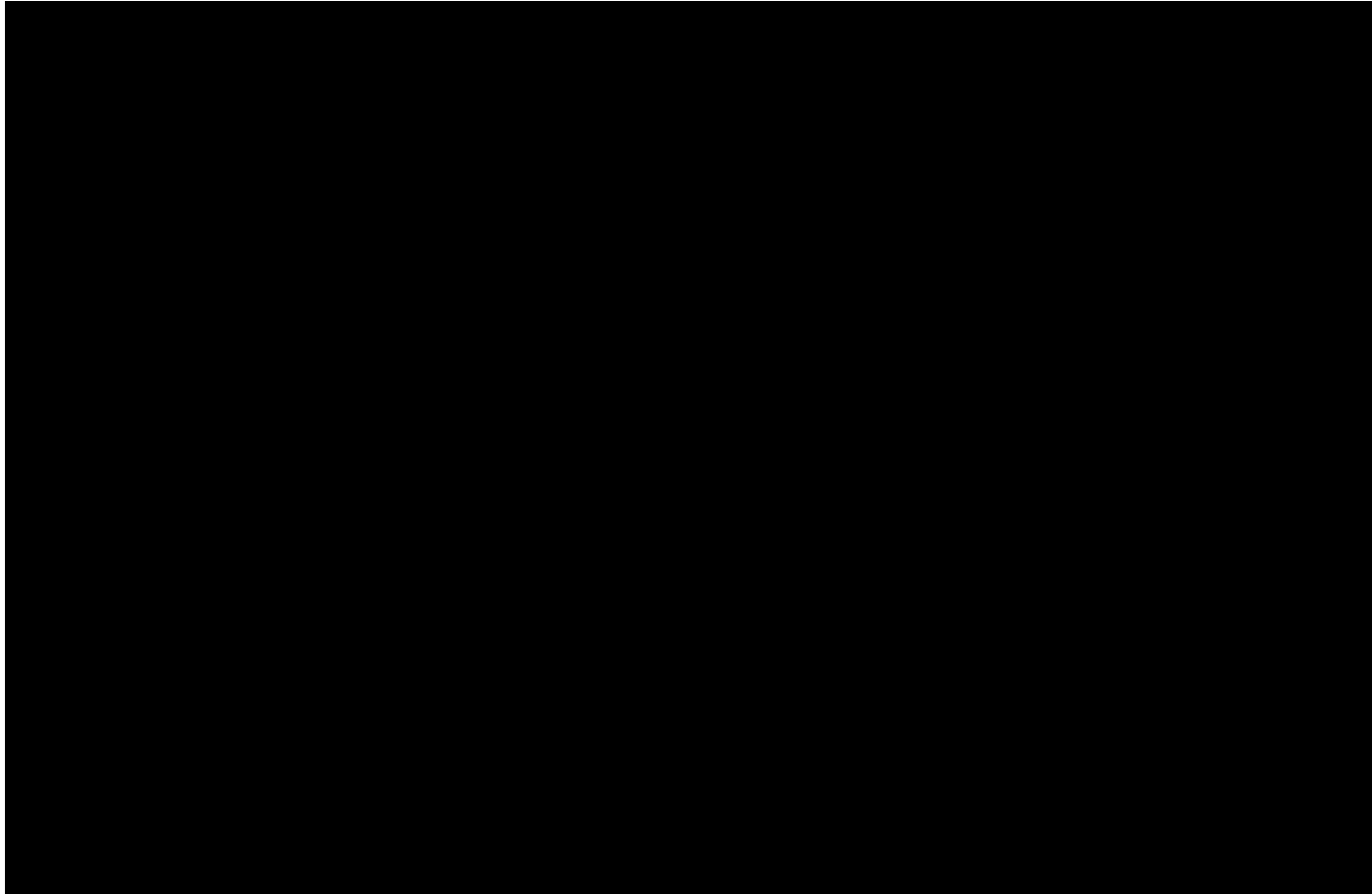
A small video clip of Manufacturing Process



Please right click on your mouse then see preview



A small video clip of on site Erection Process



Please right click on your mouse then see preview