



STEELCRAFT INDUSTRIES

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BUREAU VERITAS
Certification



- Thermal Power
- Hydro Power
- Chemical
- Paper
- Cement
- Brewery
- Oil & Gas
- Food & Pharmaceuticals
- Infrastructure
- Machine Building
- Research and Development



Introduction

Steelcraft Industries is a leading engineering organisation, founded in 1960.

We provide engineering related services i.e., Design, Engineering, Manufacturing, Installation & Commissioning activities.

We are keeping pace with the changing requirements of the industry. This is made possible by our well-developed resources of in-house infrastructural strengths & technological expertise and dedicated & dynamic management.\

Infrastructure

Steelcraft Industries, office and works are at Yamuna Nagar strategically placed at 200 Km from Delhi in the State of Haryana. It is well equipped with a separate Fabrication Shop and Machine Shop.

The **Fabrication Shop** boasts of a span of more than 15 m with an overhead EOT crane of 50 MT capacity in one of its 4 bays. It has an array of Welding Machines including Submerged Arc Welding Set. Enhancing our capacity is a 1000 MT Hydraulic Press with a clear span of 2500 mm and Rolling Machines of 3500 mm span takes the infrastructural strength to great heights.

The **Machine Shop** has a range of Lathes from 6 feet to 25 feet. Other machines like Planning, Shaping, Milling, Drilling etc. fully complement our machining and fabrication capacity.

Assisting our updated Fabrication and Machine Shop are our NDT facilities Our capability of carrying our Non-Destructive Testing like PT, MT, UT and RT (Gammagraphy Ir-192 and X-Ray 200 Kv) has established us as a regular manufacturer of Pressure Vessels and Pressure Piping. We have a marked area for storage of Radioactive Material and the site is duly approved by BARC, Mumbai.

Apart from above we have complete arrangement for Pickling, Passivation, Preservation and Conservation.

Fabrication Facilities

Material Handling Equipment

- 4 Bays with Overhead Crane (Cap. 50 MT Single Piece)
- Mobile Cranes 12 MT

Preparatory Equipment

- Hydraulic Press Cap. 1000 MT
- Plate Bending upto 60 mm x 3350 mm
- Pipe Bending Upto \varnothing 7"
- Sand Blasting Unit

Grinding Equipment

- Centerless Grinder
- Flexible Shaft Grinder
- Pencil Grinder
- Angle & Straight Grinder
- Cylindrical Grinding

Welding Equipment

- SMAW (Rectifiers, Transformers & Invertors)
- GMAW (Air Cooled & Water Cooled)
- FCAW (Self & Gas Shielded)
- GTAW (With HF Unit)
- SAW on Tractor Trolley
- SAW on Column & Boom with Rotators

Welding Related Equipment

- Welding Positioner
- Welding Rotators
- Stress Relieving Equipment

Cutting Equipment

- Plasma Cutting Machine (Manual and CNC)
- Profile Cutting Machine
- Pug cutting machines

Pickling and Preservation

- Steel Tank for cleaning with Caustic
- RCC Tanks (lined with Acid-Proof tiles) of Size 1500 x 1000 x 7000

Painting and Coating

- Sand / Grit Blasting Equipment
- Spray Guns
- Hard Chrome Plating for \varnothing 5000 mm

Machining Facilities

- Planar Machine
- Milling Machines
- Radial Drilling Machine
- Shaping Machine
- Turning Lathes

Testing Facilities

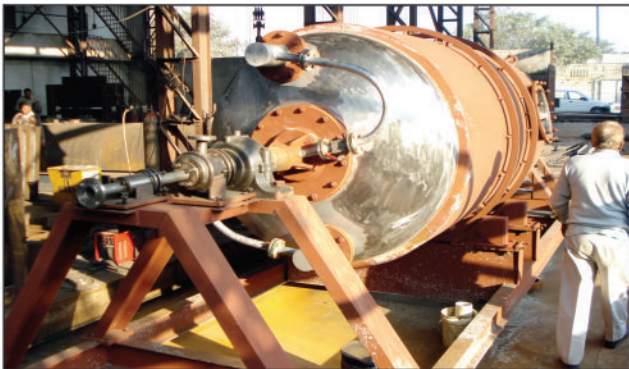
Non-destructive Testing

- Radiography Cameras Ir - 192
- X-Ray Machines upto 200 KV
- Ultrasonic Testing Machine (Analog & Digital with Recorder)
- Ultrasonic Testing Machine (Analog)
- Magnetic Particle Testing (Visible & Fluorescent)
- Penetrant Test (Visible & Fluorescent)
- Hardness Test

Testing Equipment

- Surface Plates
- Hydraulic Testing Equipment
- Temperature Measuring Instrument
- Light Measuring Instrument

- Plate Bending & Rolling Capacity is upto 60 mm in a width of 3500 mm. Complete arrangement for Hydraulic Testing of Vessels upto a pressure of 75 kg / cm².
- Apart from Carbon Steel we have manufactured Tanks & Vessels in Low Alloy Steels, Stainless Steels, Aluminum & Copper
- Complete Pre Heating and Post Heating arrangement.
- Regular manufacturer of items like Air Receivers, Controlled Fluid Tanks, Digesters, Water Boxes, Kiln Shell, Vacuum Tank, Heat Exchanges, Evaporators.



Rotary Extractor - Jacketed Vessel for Pharma



Kiln Shell



Horizontal Storage Tank as Boiler Auxiliary



Oil Tank - Main



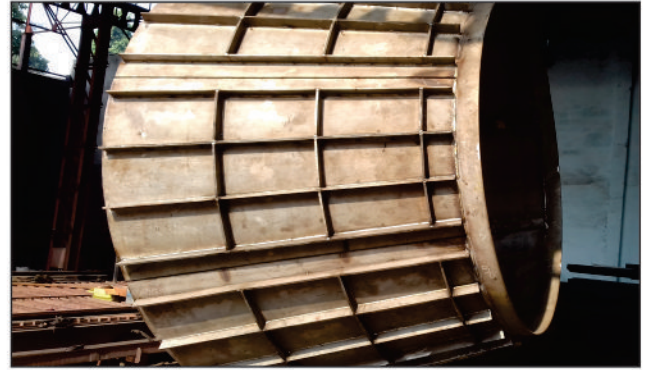
Hotwell for Condensate for BHEL



Gear Box Housing for Siemens



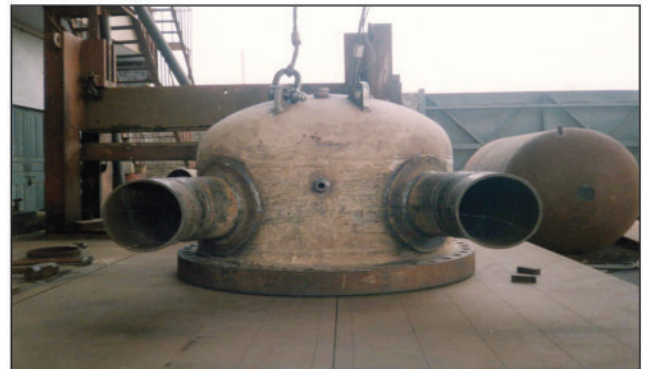
Dry Melter with Stirrer for cooking



SS Cone for Cement Mill



Aluminum Tank for H2O2 storage for Paper Industry



Top Head of Heat Exchanger



Extraction Vessel



Shell Assemblies



Vessels with Flat End covers



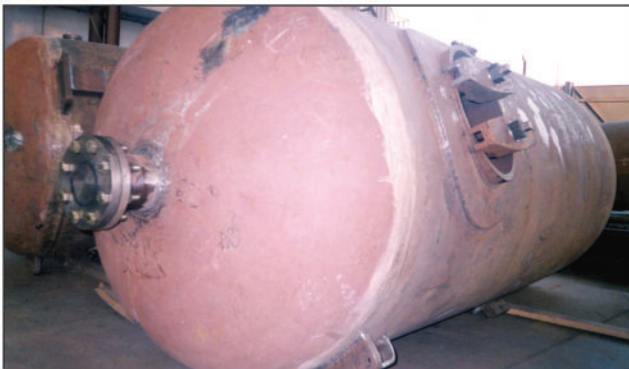
Oil Tank



DSQ - Zinc Bath 50mm Tk.



Rolling of High Yield Strength Plate



Air Receiver - Test Pressure 63 Kg / cm²



Heat Exchanger



Silo for Paper Slurry - SS 304L



Tray Drier - SS 316L



Chest Tanks - SS 304L



Outer Shell Assembly for Tube Bundles

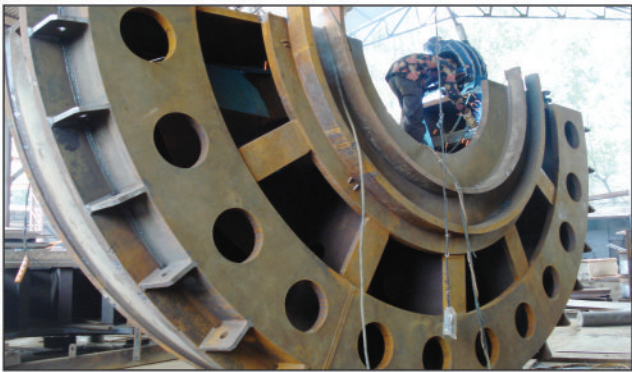
STRUCTURES

We have following four fabrication bays:

Bay	Length	x	Width	x	Height	Overhead Crane Capacity
Bay No. 1	42 m	x	15 m	x	9 m	50 MT
Bay No. 2	42 m	x	9 m	x	8 m	10 MT
Bay No. 3	38 m	x	9 m	x	8 m	25 MT
Bay No. 4	18 m	x	9 m	x	8 m	25 MT

We have to our credit manufacturing of Test & Breather Sections for Wind Tunnel for IIT Kanpur.

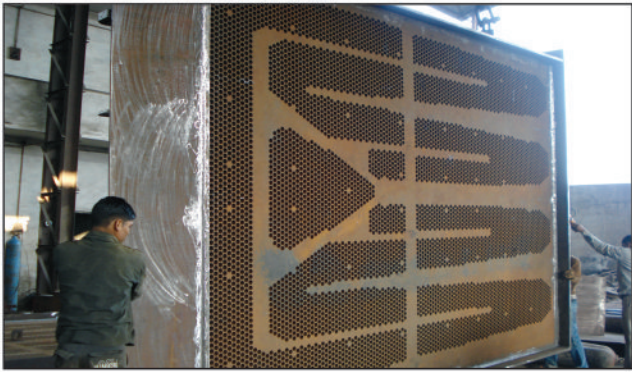
Heavy items like Upper Bracket, Rotor Spider, Beams, ESP, Lattice Structure are being manufactured with required precision.



Turbine Top Cover for Hydro



Longitudinal Beam for Thermal Projects



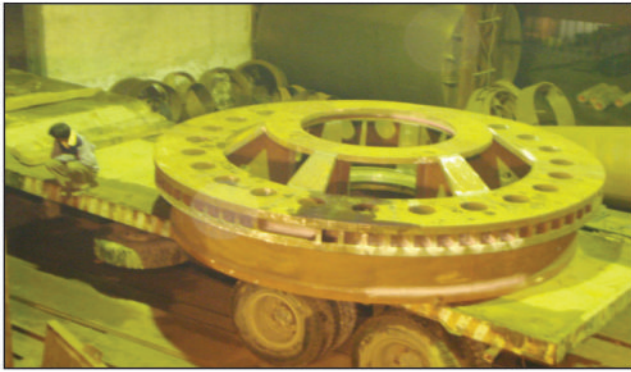
Water Chamber with Tube Sheet



Domewall - Dome Shaped Walls



Casing



Turbine Top Cover for Hydro



Lower Housing for L&T



Pressure Extraction Pipeline



Exciter Cover



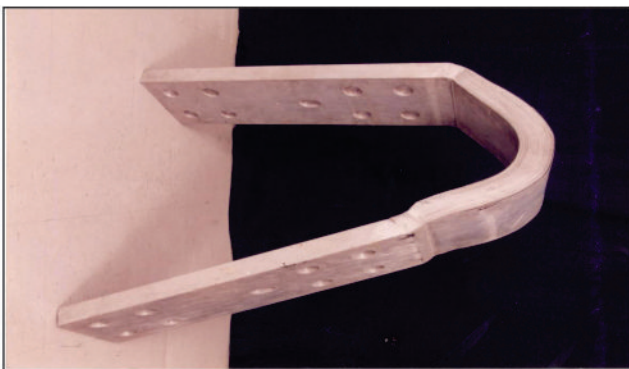
Cross Around Pipe Assembly



Hoppers, Girder, Columns etc.



Folding Clamps for Cooler Tubes



Aluminum Bus Bar 40 Tk. plate welded with 40 fins with 99.99% conductivity



Mitre Bend with Baffle

We offer complete support for Design, Manufacturing, Installation and Commissioning of Hydro-Mechanical Package for Hydro Power Projects.

Our stringent Quality Control has ensured that every project that we have executed has become a success story.

Supplied equipment to more than 70 Hydro Projects and have commissioned more than 20 projects with Test Pressure upto 125 Kg /cm².

We design and manufacture HM equipment like Penstock Ferrules, Expansion Joints, Bell Mouth, Mitre Bends, Hydraulic Gates, Manual/Motorised Hoisting System of Gates (Double Drum, Screw Spindle, Chain Pulley etc.), Trash Racks, Bifurcated / Trifurcated Pipes, Man Hole Assemblies etc.



Bell Mouth with connecting Penstock Pipe



Manual Drive for Hoisting



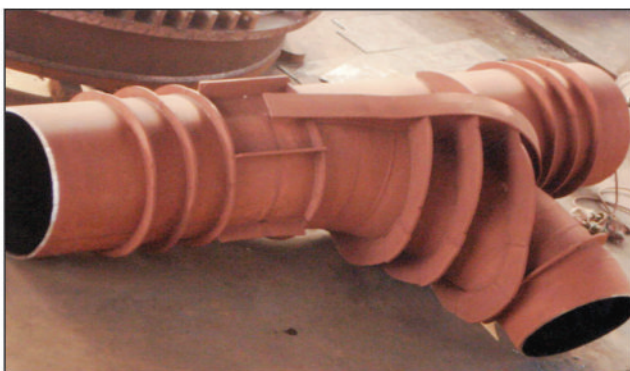
Drum Hoist



Bifurcation Pipe of \varnothing 3000 mm



Expansion Joints of \varnothing 2750 mm



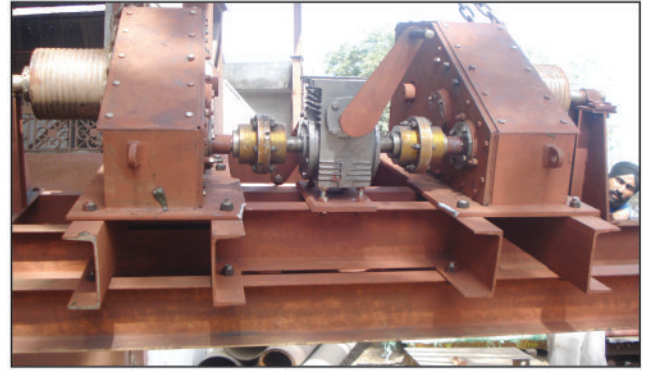
Bifurcation Pipe with Bend



Gate with Roller



Bifurcation Pipe with Reducing Bend



Double Drum Manual Hoist



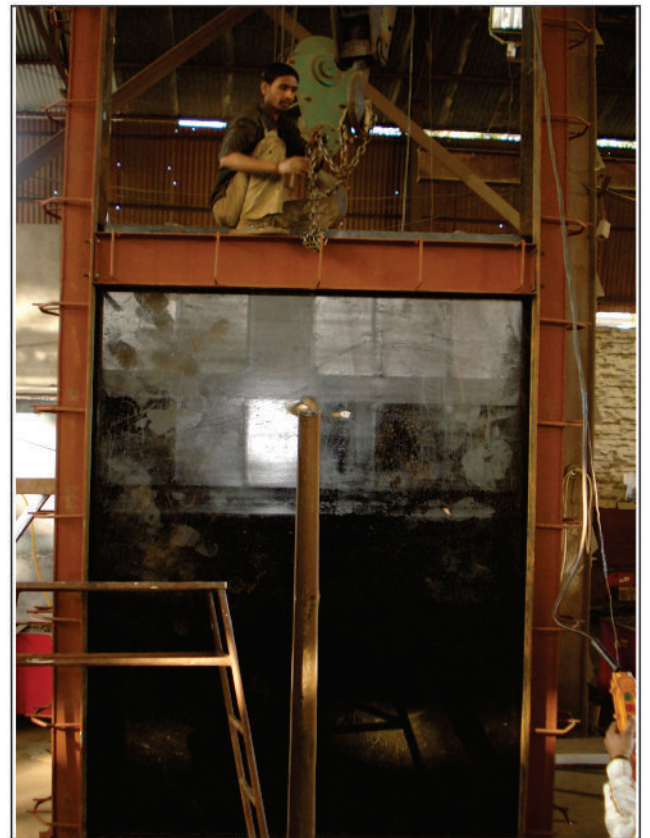
Bifurcation Pipe with Tie Rods



Penstock Ferrules



Expansion Joint of Length 5000 mm



Trail Run of Gate



Reducing Bend being placed in position



Penstock with double nodes



Bifurcation Pipe being welded at site



Bend fit-up in progress



Expansion Joint being placed in position



Penstock Erection in progress

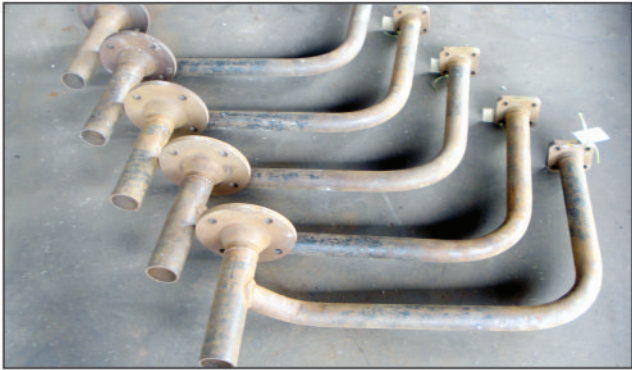
PIPING

We offer complete piping support. We have drawing detailing section where in we use the latest AutoCAD and Solid works software.

Our manufacturing unit is equipped for cold bending of Pipe upto $\text{Ø} 219.1 \text{ mm}$.

We have complete testing arrangement to test the Piping upto a Test Pressure of 363 Bar.

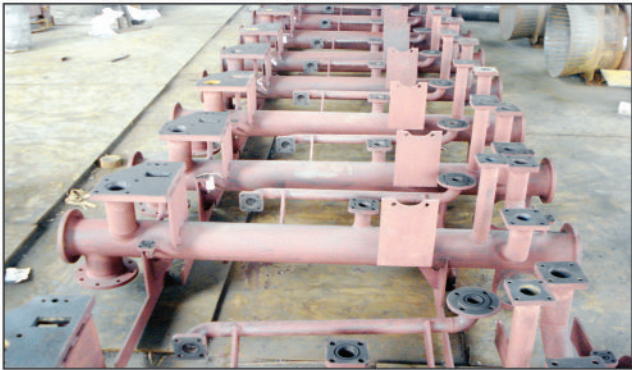
We have 7000 mm long Acid Proof Concrete Tanks for carrying out Pickling, Passivation, Preservation and Conservation. We have been manufacturing items like Integral Piping, Gas Turbine Piping, Pressure Extraction Pipelines, Seal Oil Piping, Injectors, Headers etc.



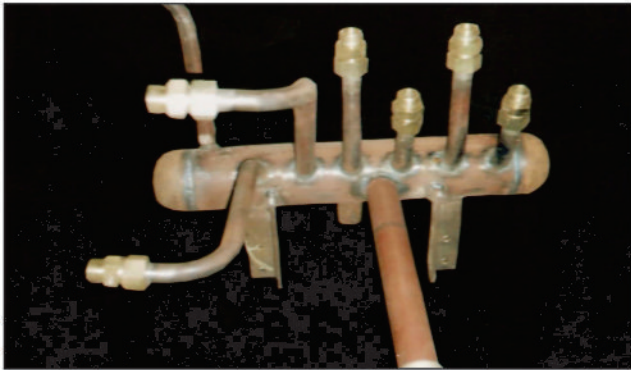
Pipe Spools



Oil Governing Pipe Assemblies



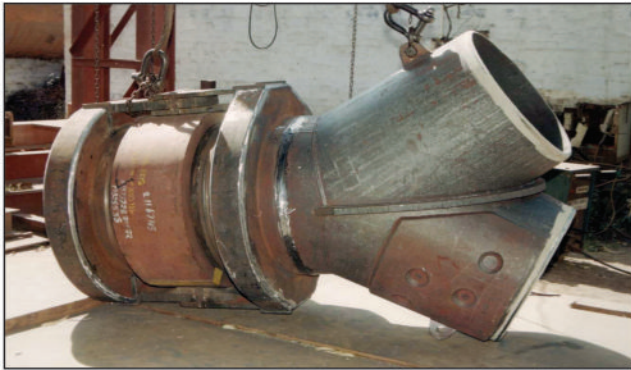
Control Fluid Piping



Intricate Piping



Turbine Integral Piping



Steam Bifurcation Pipe



Quality System

The greatest asset that we feel we have built till date at Steelcraft Industries is our reputation in quality. Our customers' faith on us has built over our dependable Quality System. Our Quality Management System is certified to be in accordance with ISO 9001:2000.

Steelcraft Industries has grown to this stage, and the only attributed factor behind this is, our commitment to quality. We never compromise quality.

Our Quality Manual briefly describes our areas of control & assessment and speaks for the zeal of quality in us not only in production but in all spheres.

We have ASNT NDT Level III (PT, MT, UT & RT) and AWS-CWI looking after the Quality aspects of our items.

We have been recognized for our efforts and have been awarded with 'Vikas Shiromani Puruskar' and a 'Certificate of Excellence' in 'Productivity, Quality, Innovation and Management' by National Institute of Economic Development, New Delhi.

SOME OF OUR CLIENTS

