



BOILER MANUFACTURING & PIPING

A wide-angle, high-angle photograph of a large industrial manufacturing facility. The floor is filled with rows of long, dark metal pipes and components, some of which are being worked on by workers in hard hats. A central aisle is marked with yellow and green lines. In the foreground, a worker is kneeling and grinding a pipe, creating a bright spray of sparks. To the right, there is a blue scissor lift and a red scrap bin labeled 'SCRAP/स्कrap'. The background shows the vast expanse of the factory with high ceilings and structural beams.

**Boiler Pressure Parts
Modular Piping & Skids**

ENGINEERING FOR EXCELLENCE



*Boiler Pressure Parts Plant at Rattangarh (Haryana) India
The Plant has a covered Shop Area of 16,650 sq.m.
We also have additional adjoining land area for quick & easy expansion*



*A Google Earth view of the Isgec Plant
at Yamunanagar (Haryana), India*

*Head Office at Noida
(a suburb of New Delhi), India*



*Isgec Plant at the port town of Dahej (Gujarat) India.
The shop has been set up especially for the manufacture
of large and heavy equipment for the overseas market*





Overview

Isgec Heavy Engineering Ltd. is a multi-product, multi-location, public company that has been providing engineering solutions to customers around the world for the past 80 years. Our diversified product portfolio includes, EPC Projects, Green Energy & Industrial Boilers, Utility Boilers, Air Pollution Control Equipment, Sugar Plants & Machinery, Process Equipment, Presses, Castings, Metal Cutting Machinery & Contract Manufacturing.

Isgec has set up nearly 700 Boilers across 48 countries and has a state-of-the-art facility to manufacture & supply a wide variety of Boiler Pressure Parts and Modular Piping & Skids.

Products

Boiler Pressure Parts

- Coils**
(Super Heaters, Economizers & Evaporators etc.)
- Membrane Wall Panels**
- Headers**
- Boiler Bank Tubes**

Assemblies & Bundles

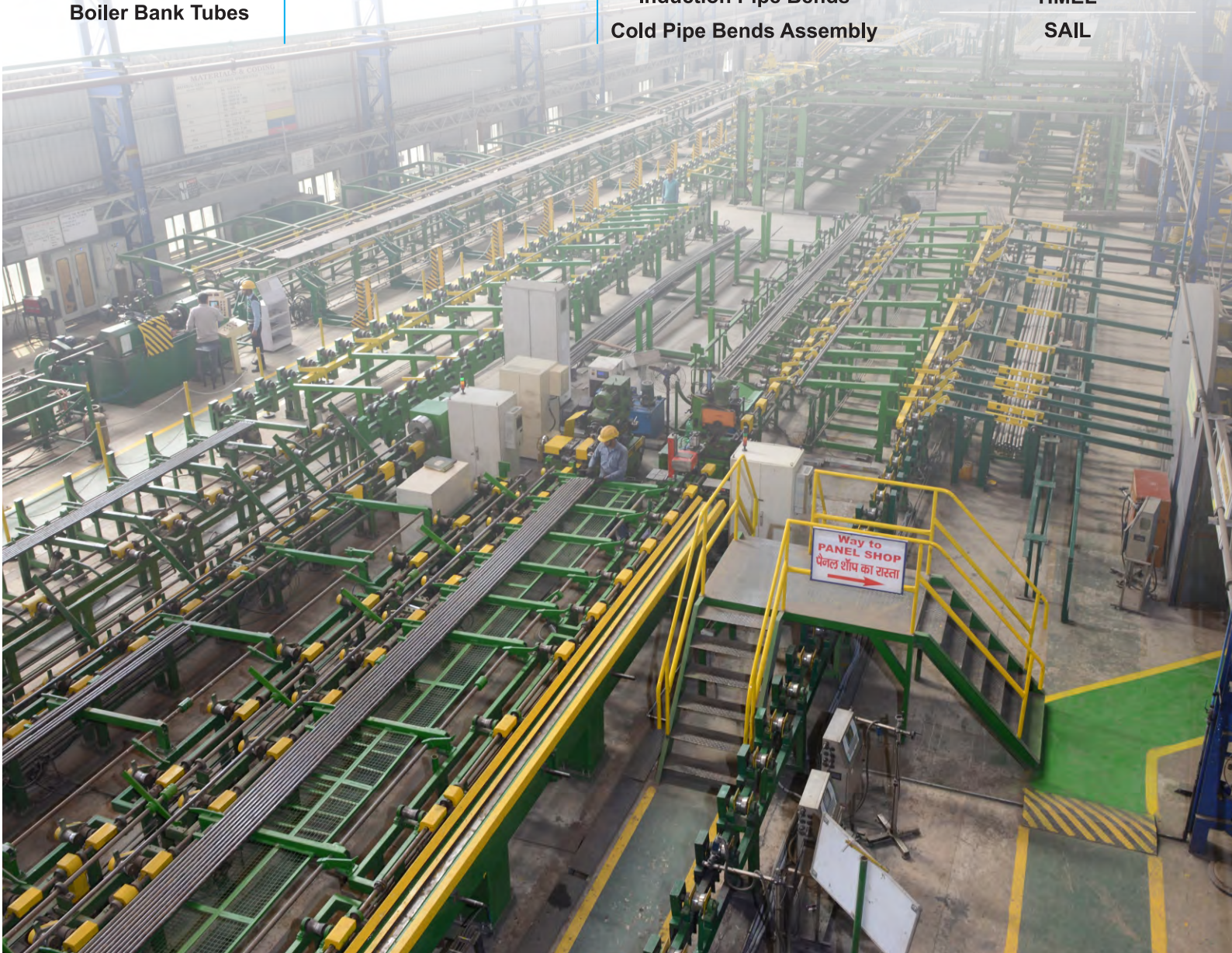
- HRSG Modules**
- Super Heater Bundles**
- Evaporator Bundle Assembly**
- Fire Heater Bundles**

Pre-Fabricated Piping Spools

- Power Plant Piping**
(Critical HP/LP Piping)
- Process Piping**
(for Fertilizer, Refinery & Chemical Plants)
- Induction Pipe Bends**
- Cold Pipe Bends Assembly**

Major Customers

CMI
TOSHIBA
Alstom
GE
Doosan
Man Diesel
Larsen & Toubro
Hitachi Zosen Corp.
BPCL
BHEL
Indian Oil
Aditya Birla Group
Nestle
Reliance
IFFCO
BORL
GAIL
Tata
Lurgi
HMEL
SAIL



Products

Coils

Membrane Panel with Evaporator Coil Assembly



Economizer Bundle Assembly



Super Heater Coils



SSH Coils



Panels

Bed Coil Assembly



CFBC, Semi Assembly Cross Over Duct



CFBC, Fully Assembly Cross Over Duct



Compact Separator Roof Wall Panel Assembly



Piping

Economizer Header



Super Heater Header



Primary Super Heater Header



Induction Pipe Bend Spool



Main Stream Piping Spool



Compressor Piping Spool



Compressor Piping Spools



Pre-Fabricated Piping Spool



Infrastructure

Shop Area - Tubing : 16650 sq.m. (Covered)

Shop Area - Piping : 10440 sq.m. (Covered)

Maximum Size : 22.5 (W) x 9 (H) x 370 (L) M

Capacity / month : 1350 MT



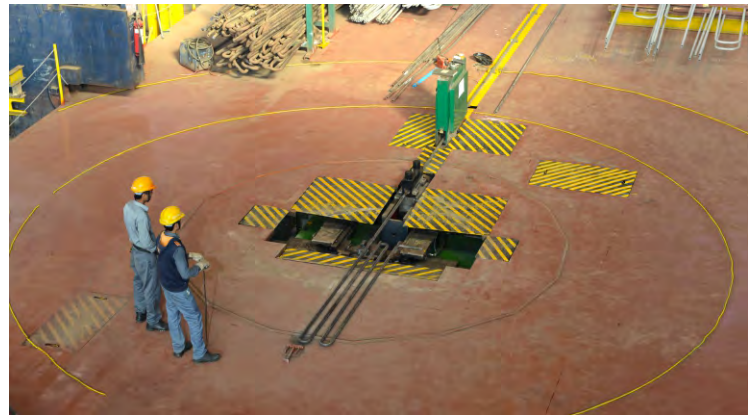
8 Head SAW Panel Welding Machine



Membrane Panel Bending Machine



Straight Tube Butt Welding Machine



Dual Radii & Dual Direction System Bender



CNC Pipe Beveling Machine



CNC Pipe Profile Cutting Machine



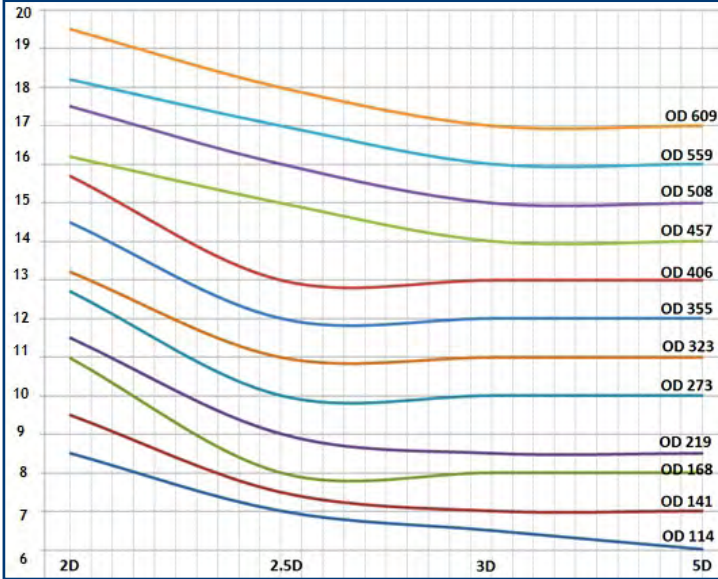
Column & Boom SAW Welding Machine



Heat Treatment Furnace



Hot Pipe Bender



Pipe OD : Max 630 mm to Min 102 mm

Wall thickness : 6 to 60 mm

Max pipe length : 12000 mm

Bend Radius : Min 2D to Max 3000 mm

Direction of Bending : Clockwise

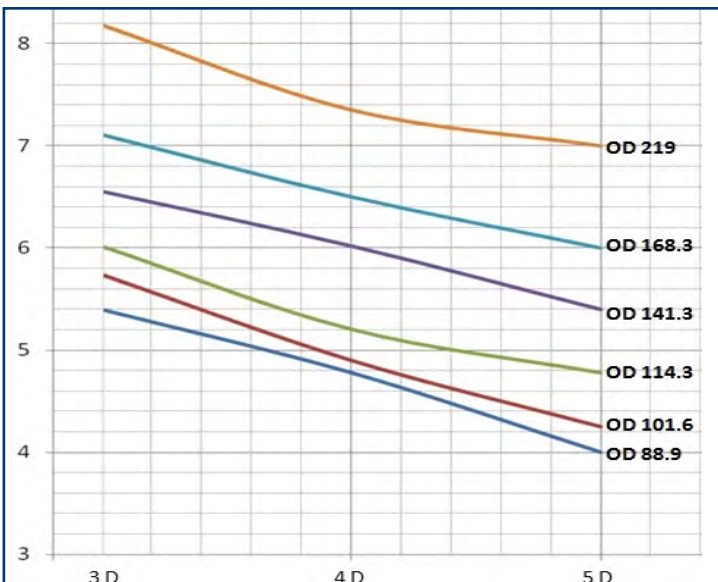
Material : CS, P11, P22, P91, SS

Ovality : Max 0.8%

Thinning : Max 12.5 %



Cold Pipe Bender



Pipe OD : Max 219 mm to Min 88.9 mm

Wall thickness : 4 to 25 mm

Max pipe length : 12000 mm

Bend Radius : Min 3D to Max 1000 mm

Direction of Bending : Clockwise

Material : CS, P11, P22, P91, SS

Ovality : Max 0.6%

Thinning : Max 10%



180 Mwe Pulverized Coal Fired Boiler with Reheat firing 100% Indonesian Coal & 100 % Indian Coal for OPG Power Generation Pvt. Ltd., Chennai, India

Isgec Offerings



Boilers



EPC Projects



Sugar Plants & Machinery



Air Pollution Control Equipment



Process Equipment



Presses



Castings



Metal Cutting Machinery



Contract Manufacturing



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