

Boiler Manufacturing
& Piping Plant
at Ratangarh (Haryana), India



Aerial 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 manufacturing of large and heavy
equipment for the overseas market



Isgec Offerings



**ISGEC HEAVY
ENGINEERING LTD.**

Radaur Road, Yamunanagar -135 001 (Haryana) India
Tel.: +91-120-4085858
Contact: Ravi Wadhawan E-mail: ravi.wadhawan@isgec.com
www.isgec.com



Boiler Manufacturing & Piping

*Boiler Pressure Parts
Pre-Fabricated Pipe Spools & Skids*



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 90 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 & Contract Manufacturing.

Isgec has set up more than 900 Boilers across 51 countries and has a state-of-the-art facility to manufacture & supply a wide variety of Boiler pressure part, Pre-fabricated Piping Spools and Process Modules (PAU & PAR)

Products
(as per EN, ASME, IBR & PED)

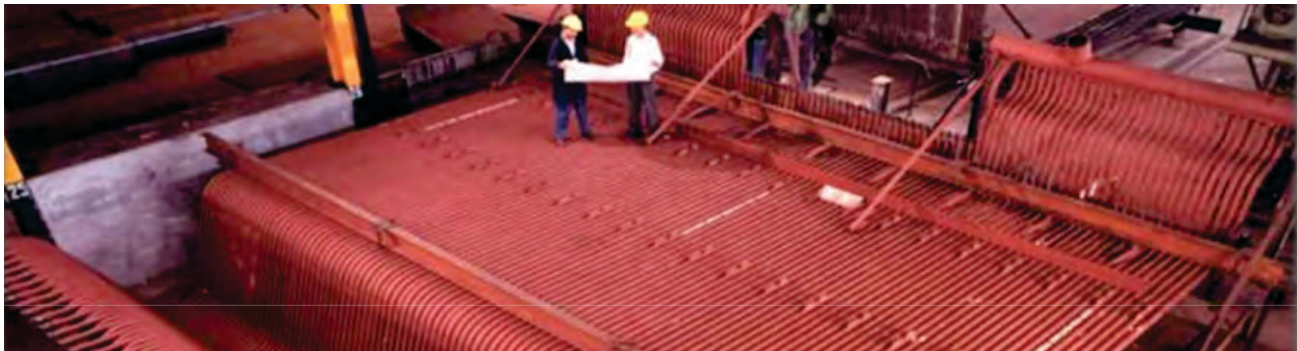
Boiler Pressure Parts	Cladded / Inconel Overlay Parts	Assemblies	Pre-Fabricated Piping Spools	Modules & Skids
Coils (Super Heaters, Economizers & Evaporators etc.)	Water Walls	HRSG Modules	Power Plant Piping (Critical HP/LP Piping)	Pre-assembled Units (PAU)
Membrane Wall Panels	Tube Bundles	Super Heater Bundles	Process Piping (for Fertilizer, Refinery & Chemical Plants)	Pre-assembled racks (PAR)
Headers	Pipe Spools	Evaporator Bundle Assembly	Induction Pipe Bends	Valve Skids
Boiler Bank Tubes		Fired Heater Bundles	Cold Pipe Bends Assembly	
Waste Heat Recovery Boiler		Cooling Stack		
Waste to Energy Boiler		Convection Bundles		
		Economizer Assemblies		

Major Customers

- Andritz
- BPCL
- Berkes-BWE
- Danieli Corus
- DRDO
- Engineers India Ltd.
- Enter Engineering
- Hitachi Zosen Inova
- Heurtey
- HPCL
- IOCL
- LTEH
- LINDE
- METSO
- Nooter Ericken
- NRL
- Primetals Technologies
- Reliance
- Siemens
- SAEL
- SHI-SFW
- Skoda Doosan
- Tata Projects
- TKIS
- Technicas Reunidas
- Toyo
- Valmet

Products

Water Wall



Compact Separator Roof Wall Panel Assembly



Panel Mounted Evaporator



CFBC, Fully Assembled Cross Over Duct



CFBC, Semi Assembled Cross Over Duct



Panels



Products

Cooling Bundle



Economizer Bundle Assembly



Super Heater Coils



Multi-layered Superheater Coils



Bed Coils



Convection Coils



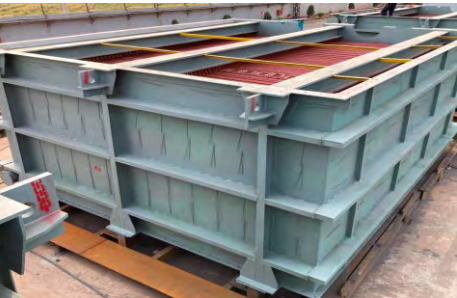
Products



Super Heater Assembly



Cooling Stack Assembly



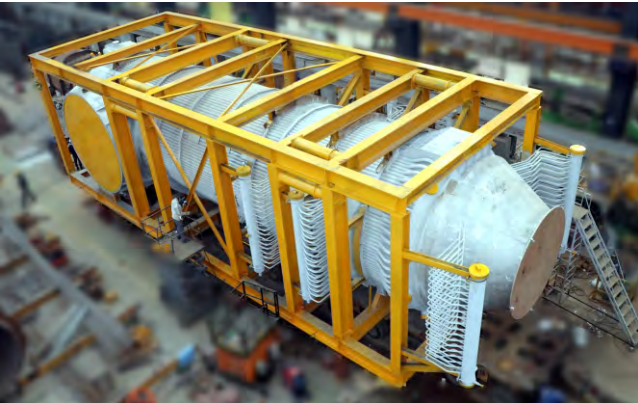
Economizer Assembly



Evaporator



Pressure Part Assembly



Waste Heat Boiler for Sulphuric Acid Plant



Economiser Assembly

Steam Drum



Coils

Assemblies

Drums



Products

30" Spool having RTJ Flange



92" Clad Spool



Pipe Bends



Induction Pipe Bend Spool



Compressor Piping Spools



Pre-Fabricated Piping Spool



Products

Economizer Header



Header with Stubs



Ring Header



CNC Pipe Profile Cutting Machine



Special Purpose Horizontal Borer



Pre-Fabricated Pipe Spools

Headers



Products

Inconel Claddings



Inconel Cladding Facility



Water Wall Panels Overlay



Cross Section of Weld Overlay

Infrastructure

Shop Area - Tubing : 26000 sq.m. (Covered)
Shop Area - Piping : 29100 sq.m. (Total)

Bay Size : 22.5 (W) x 9 (H) x 370 (L) M
Capacity / Month : 1350 MT for Tubing



8 Head SAW Panel Welding Machine



Membrane Panel Bending Machine



Induction Heater



Automatic fin Calibration Machine



Straight Tube Butt Welding Machine



Dual Radii & Dual Direction System Bender



CNC Pipe Beveling Machine



Orbital Welders

Infrastructure



Hot Squeezer and Sizer



Shot Blasting Machine



ATCP - Outfeed



Four Stage Rack - STW Infeed



Column & Boom SAW Welding Machine



Heat Treatment Furnace (Size up to 23 M X 3.5 M X 4M)

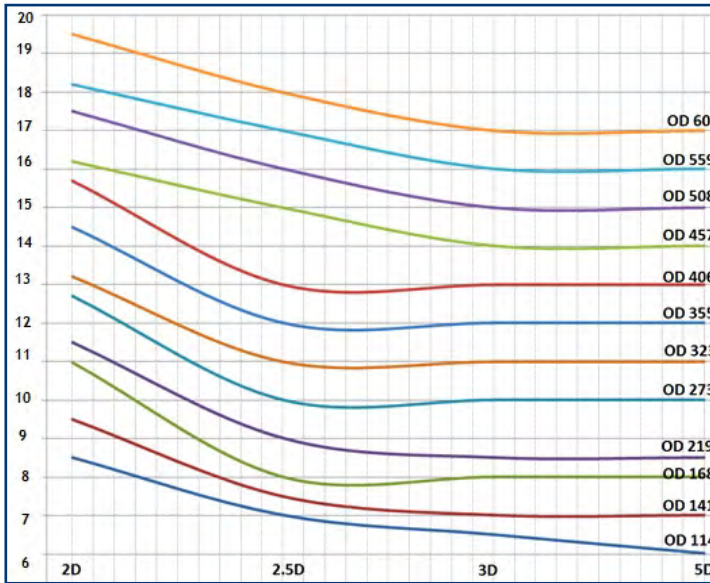
Paint Booth



Infrastructure



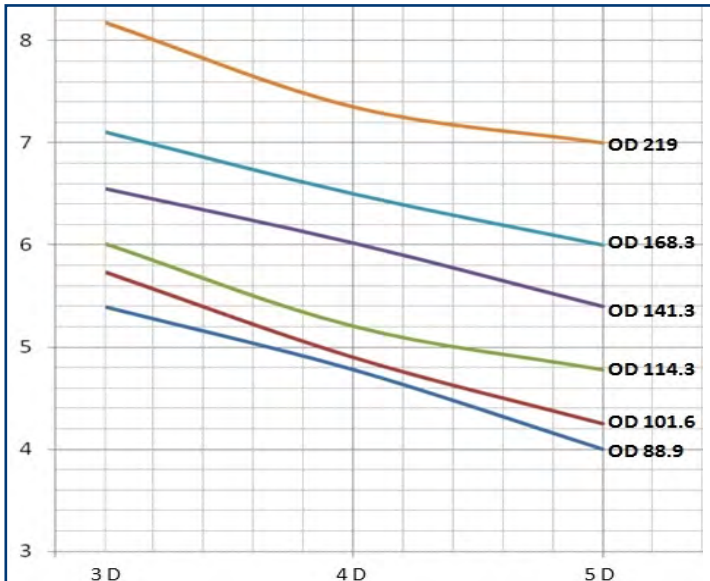
Hot Induction Pipe Bender



Pipe OD	: Max 630 mm to Min102 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%