



LP HEATER



PHE

[www.auheatexchanger.com](http://www.auheatexchanger.com)

# ADITYA UDYOG

An ISO 9001:2015, 14001:2015 & 45001:2018 Certified Company

## ADITYA UDYOG HEATXCHANGER PVT. LTD

An ISO 9001:2015, 14001:2015 & 45001:2018 Certified Company

# ABOUT US

We are the manufacturer, fabricator as well as service provider of all kind of Heat Exchangers, Coolers, Heaters, Storage Tank & Pressure Vessels, Process equipments. We customise products as per requirements of different kind of industries like the chemical process industry, steel plants, Gas generation industry, Power plant, Oil & Gas, Fertilizer Plant, cement Plant, Aluminium Industries and many more.

## TRUSTED FOR 15+ YEARS

### Human Resource

The backbone of our manufacturing process and systems are our people. They are qualified, trained, skilled and experienced in the field of fabrication & manufacturing for Several years. Their competence results in our products and services.

### Quality system

A robust in house quality management system (QMS) ensures the effectiveness and efficiency of our processes and products. QAP (Quality Assurance Plan), ITP (Inspection Test plan), Incoming, Inprocess & Final Inspections, NDT are integral part of the system.

Many of our products pass through Third Party Inspection (TPI) by internationally reputed agencies like DNV, LRQA, PDIL, QUEST, TUV-Nord, Edlipse, IR Class TUV-R, TATA etc.

### Our products and services

- **HEAT EXCHANGERS** (Shell & Tube, Fin Tube, PHE, Radiator)
- **TANKS** (Chemical Storage & Air Receiver, Separator, Drum)
- **LOW & HIGH PRESSURE VESSELS**
- **PROCESS PLANT EQUIPMENT** (Blender, Re-Boiler, Blower)
- **OTHER PLANT EQUIPMENT** (Expansion Bellows)
- **JOB WORK AND SERVICES** (Customised job works and services as per customer's requirement)

(Re-tubing of Heat Exchangers, Hydrojet Cleaning, Rubber-FRP-Led Lining, Bullet Expansion, Beveling, Turqu, Cold Cutting, Cold Welding)

# ABOUT THE FACILITY

## IN HOUSE FACILITY:

- EOT Crane (5 to 10 T capacity): 2 nos with an adequate number of lifting arrangements .
- Plate Rolls or Plate Rolling Machine with Hydraulic Edge Bending Arrangement
- Profile Rolls - Pipe Bending Facility
- Tube Flaring Tools for Heat Exchanger Tubes
- Hydraulic Press: 80 T Capacity
- Shaping Machine
- Radial Drill, Hand Drill, Portable Magnetic Drill
- Welding Machines & Accessories - (MIG, TIG, ARC Welding)
- Grinding Machines: Straight, Angle, Bench and Sander
- Hydraulic Power Pack
- Pneumatic & Electrical Winch
- 100 mm horizontal boring machine
- Plasma Cutting
- Air Compressor
- 12 Feet Planer, various capacity & size Centre Lathe

## AVAILABLE FACILITIES:

- NDT like UT, LPT, RT with ASNT/ISNT LEVEL II review
- Paint shop / Painting Yard
- HTRI, ASPEN & EDR Software for thermal design & mechanical design
- Preheating & SR (Stress Relieving Heat Treatment)
- Spectrometer PMI Testing.
- NABL approved Lab Testing Facilities.
- Third Party Inspection.



## HP HEATER

Finishing Touch



Finishing Touch Before Dispatch



Client Name:- TATA STEEL  
(ANGUL)  
TPI:- TUV NORD.  
Tube Bundle, Drg#5100601  
Tube Material:- SA213 TP 304  
Test Pressure:-299.9 kg/cm<sup>2</sup>

## PROPANE & BUTANE VAPORIZER

Propane & Butane Heater

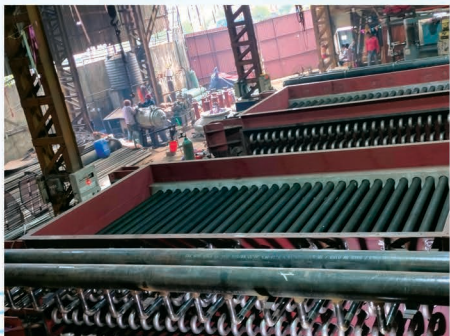


Propane & Butane Vaporizer



Client Name : IPPL (HALDIA)  
TPI : DNV  
Tube Material:- SA-334 Gr. -1 &  
Gr. -3  
Test Pressure : 45 Kg/cm<sup>2</sup>

## NATURAL GAS PRE-HEATER



Client Name:- :- KRIBHCO  
FERTILIZERS LIMITED  
TPI INSPECTION :- M/S LRQA  
Material:- ASTM A106 Gr. - B  
FIN:- CS

## COKE OVEN GAS HEATER

Client Name:- JSPL (ANGUL)  
TPI:- JSPL SELF  
Tube Material:- SA213 TP310  
Test Pressure:- 5 kg/cm<sup>2</sup>



## TAIL GAS SCRUBBER TUBE BUNDLE

Client Name:- IFFCO PARADEEP  
TPI INSPECTION :- M/S LRQA & TUV  
Material:- Tube & Tube Sheet MOC SA213  
TP316L  
Baffle & Others :- SA 516 Gr. 70



## PROPYLENE CONDENSER

Client Name:- GAIL PATA  
TPI INSPECTION :- M/S Edlipse Engg.  
Global Pvt. Ltd,  
Weight:-46 TON,  
Working Temperature : 95°C  
Tube Material - SA334 Gr. 1



# Heat Exchanger / Cooler



Stabilizer Re-Boiler.



Generator Air Cooler



Sample Cooler



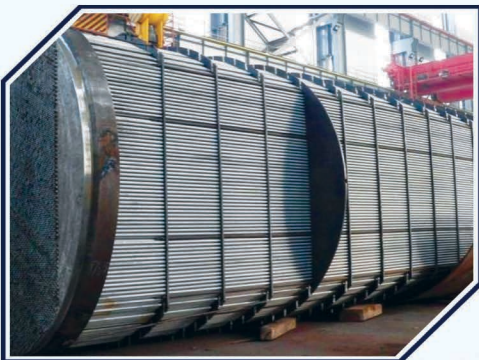
Radiator for 100 MVA Generator



APH Tube bundle



Ammonia Vaporizer



SS Tube bundle



"U" Tube Bundle



Copper Tube Bundle



Square Bend Tube Bundle



Helical Tube Bundle Skeleton



AD Brass Tube Bundle For Ejector

# Heat Exchanger / Cooler

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HP & LP Inter Cooler



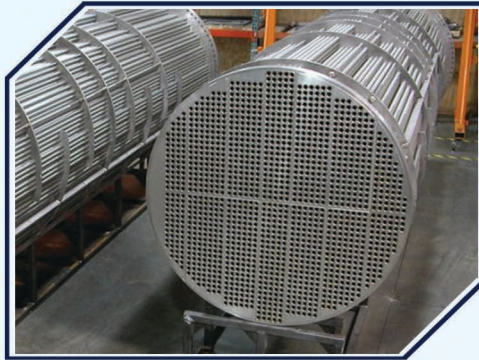
Heat Exchanger for Tar Producer Gas Plant



Air Fin Fan Cooler



Duplex Heat Exchanger



Stator Water Cooler



Flue Gas Cooler



PA, FD, ID, Fan Motor Cooler



Nitrogen Regeneration Cooler



Gasket & Plate for PHE



Compressor Cooler



SS Jacket Cooler



Drain Pot

## Tank & Vessels



Vessels



SS Storage Tank

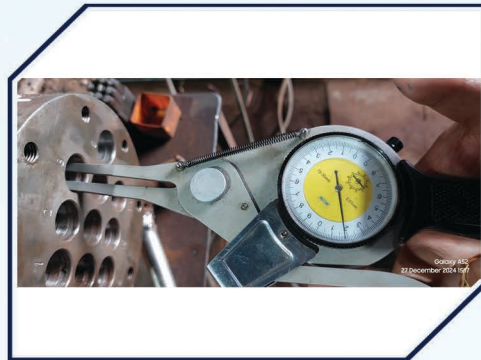


Chemical Storage Tank

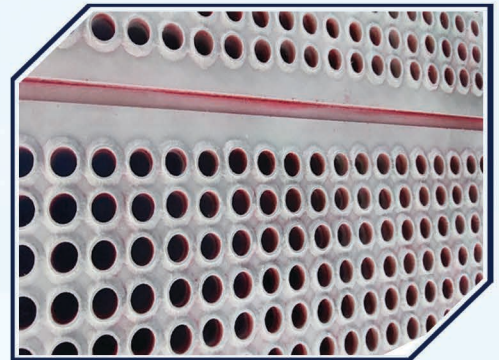
## Inspection Facility



Ultrasonic Thickness Gauge



Bore Gauge



LPT Testing



Dew Point Testing



Welding Hardness Testing



DFT Thickness Gauge



U Bend LPT Test



Hydrotest



Hardness Shore

## Process Plant Equipment

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SS Process Tank with Limpet Coil



Reactor with Limpet Coil



Blender



Ribbon For Blender

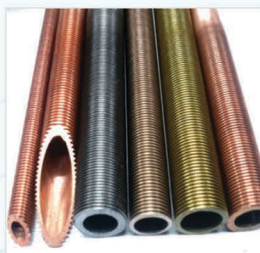
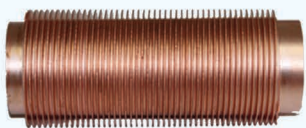


Blender Tank With Limpet Coil

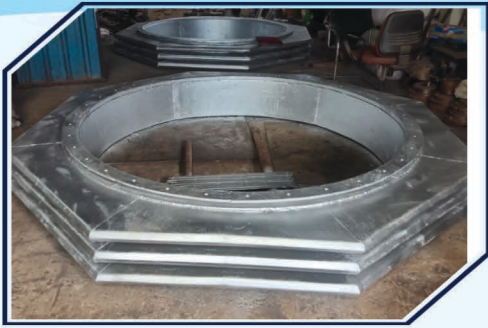


Project at Haldia

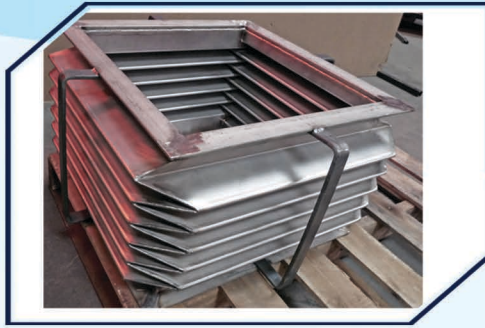
## Fin Tubes



## Expansion Bellow



Hexagonal Expansion Bellow



Square Expansion Bellow



SS Expansion Bellow

## Bevelling & Torquing Services



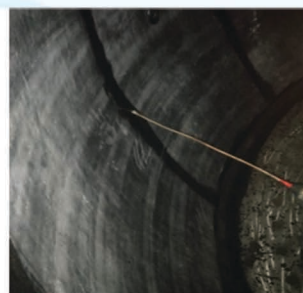
## Re-Tubing Service



## Rubber Lining



FRP LINING IS IN PROGRESS

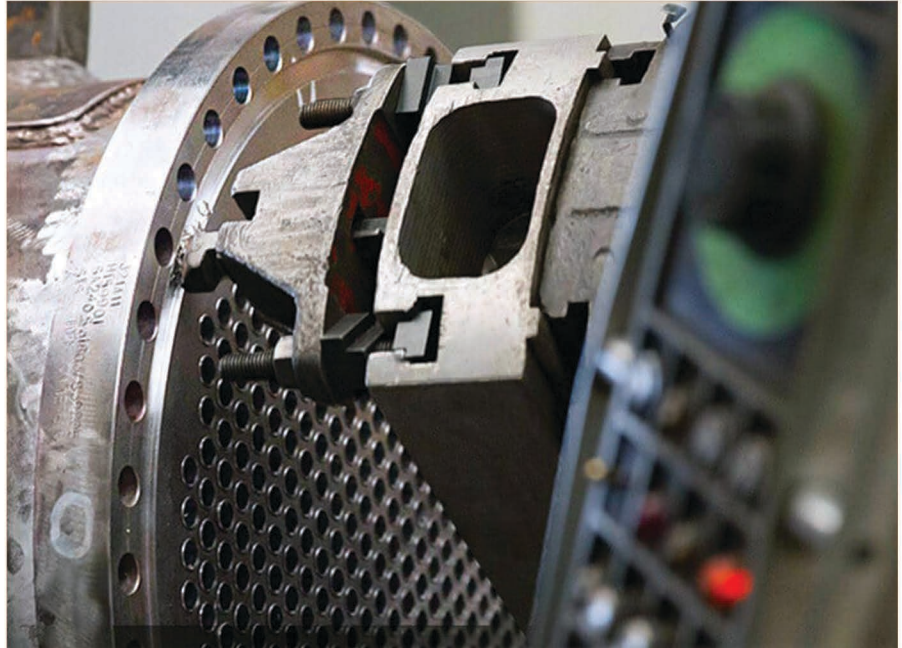


SPARK TEST AFTER RUBBER LINING



RUBBER LINING INSIDE STORAGE TANK

## COLD CUTTING SERVICE



### ADITYA UDYOG

#### OFFICE :

22 Nalta Mahajati Road(OLD),  
85/S-1 Mahajati Road, Nalta(NEW)  
Kolkata - 700 028, W.B. India

#### FACTORY :

NH-6, Vill - Pakuria, P.O - Lakhanpur,  
Dist. - Howrah 711 114, W.B. India

### ADITYA UDYOG HEATXCHANGER PVT. LTD

#### OFFICE :

2/7, Adarsh Pally, Netaji Nagar.  
Kolkata - 700 092

#### FACTORY :

Lakhanpur Industrial Estate  
Vill - Lakhanpur, Po : Domjur  
Dist. - Howrah 711 114, W.B. India

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