



Baroda Equipment and Vessels Pvt. Ltd.

COMPANY PROFILE



Block 241-243, Muval-Mobha Road, Muval PO
Padra Taluk, Vadodara 391 430
Gujarat, India

Phone: +91 9099944802; +91 9099944804; +91 9099944806

Email: info@barodaequip.com

<https://barodaequip.com>

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Baroda Equipment and Vessels Pvt. Ltd.

Dear Sir / Madam,

Baroda Equipment and Vessels Private Limited is formed by a team of engineers with extensive hands on experience in the heavy engineering industry within India and abroad. The company has established a manufacturing plant in Padra Taluk, Vadodara District, Gujarat, India with an investment of USD 5 Million (Rs 37 Crores). The plant spread over 8 acres area and a workshop floor area of 8,625 SqM is equipped to manufacture static process plant equipment for oil refineries, gas processing plants, offshore oil & gas platforms, petrochemical plants, chemical plants, thermal / nuclear / hydro power plants, mining and metal refining, infrastructure sector etc. and a variety of other industries such as steel, aluminum, fertilizer, cement etc.

The facility holds ASME 'U', 'U2', 'S' and National Board USA 'R' and 'NB' Stamps for manufacture and repair of code stamped vessels, boilers, boiler components and pressure piping. The facility is authorized to manufacture pressure vessels under Pressure Equipment Directive PED/2014/68/EU Module H and H1 and AD2000 Merkblatt HP0. We are an approved shop under Indian Boiler Regulations. The shop is approved by Engineers India Ltd (EIL) and Petroleum & Explosives Safety Organization (PESO). The quality management system is certified to ISO 9001: 2015. OHS management system and EMS are certified to ISO 45001: 2018 and ISO 14001:2015 under a comprehensive Integrated Management System. Welding Management System is certified to ISO 3834-2.

We at BEV believe that excellence is not an attribute or end result, it is the attitude with which our business processes are created and sustained. We aim to become the preferred process plant equipment manufacturer for the industry.

I present an overview of the company and its capabilities in the following pages.

Er. Lekshminarayanan S
Managing Director



Where excellence is a way of life

INTRODUCTION

Baroda Equipment and Vessels Private Limited was incorporated as a private limited company in the State of Gujarat, India under the Companies Act, 1956. The plant started commercial operations in July 2009.

BEV is jointly promoted by Mechanical Engineers with extensive, hands on experience in the heavy engineering industry in global markets outside India. The team returned to India to start this green field venture in late 2007.

BEV is a world class heavy engineering manufacturing company that caters to the domestic as well as global process plant market, utilizing the management team's expertise in design, procurement, manufacturing, testing, certification and turnkey project management solutions.

Within a short span of time, BEV has been able to occupy a pride of place amongst the mid size global heavy engineering companies globally with its focus on quality, safety and on time delivery.



BARODA EQUIPMENT AND VESSELS PVT. LTD.

Vision

To become the process plant equipment manufacturer of choice in the global market.

Mission

To manufacture products that meet and exceed customer requirements and expectations at the most competitive price using efficient business processes thereby offering value for money for our customers and creating wealth for our share holders.

Our Philosophy

Excellence is our way of life. It is not an attribute or end result, it is the attitude with which all our business processes are created and sustained.

We nurture individuals of highest integrity, professionalism and self esteem and provide an ambience where they are able to realise their fullest potential.

The touchstones of all our transactions with our employees, suppliers and service providers shall be fairness, equitability, transparency and consistency.

We treat our commitments to customers as sacred covenants and shall leave no stone unturned to fulfill them.

We are committed to safeguard the safety and health of our employees and men working under our supervision.

We shall not discriminate any employee or person working under our supervision on the basis of his / her gender, class, caste, religion, ethnicity, domicile etc.

We remain steadfast in our commitment to protect the environment and shall not leave a bigger foot print than what is absolutely essential in sustaining our business.

Er. Lekshminarayanan S
Managing Director
03-March-2010

LOCATION

	Corporate Office and Plant	Design and Engineering Office
Address	Block 241-243, Muval-Mobha Road, Muval P.O., Padra Taluka Vadodara 391430 Gujarat, India	'GUNATIT', First Floor, Kiran Nagar Society, Nr. Sahyog Garba Ground, Manjalpur, Vadodara 390011 Gujarat, India
GPS Coordinates	22 9'57.19"N, 72 58'2.91"E	22° 15' 58.08096"N, 73° 11' 50.82252" E
Size	Plot size: 8 Acres (32,456 SqM) Factory floor under crane: Covered Shed: 7,025 SqM Open floor: 1,600 SqM Total: 8,625 SqM	Floor area: 100 SqM on 1 st Floor
Key Distances	From Vadodara Airport: 39 KM From Vadodara Railstation: 33 KM	6.5 KM 11 KM

Port Connectivity from Plant:

Dahej: 60 km Hazira: 130 KM Mundra: 420 KM Nhava Sheva: 420 KM

TIME LINE

Company incorporated	25 th October 2007
Plot acquired	24 th March 2008
Construction started	24 th September 2008
ASME Authorisation Acquired	27 th February 2009
Construction completed	24 th March 2009
First Order received	20 th May 2009
Commercial operation started	1 st July 2009
IBR Shop Approval	31 st August 2009
ISO 9001: 2008 Certification	29 th October 2009
AD 2000 Merkblatt HP0 & ISO 3834-2	14 th February 2011
BS OHSAS 18001 Certification	15 th April 2011

PED 97/23/EC Mod H1 Certification	15 th June 2012
PED 97/23/EC Mod H Certification	27 th January 2014
Enlistment with EIL	23 rd June 2015
ISO 14001: 2015 Certification	19 th April 2018
PESO Shop Approval	5 th March 2021
Design & Engineering Office shifted to the city	27 th January 2022
First Major Infra Upgrade Completed	28 th February 2022

PRODUCTS RANGE

- Pressure vessels to ASME Sec. VIII Div.1, Div.2, AD2000, AS 1210, EN 13445, AD2000, PD 5500, IS 2825, IBR 1950 with ASME U / U2 or S Stamp and / or CE marking
- Heat Exchangers to TEMA and client specs with ASME U / U2 Stamp and / or CE marking
- Pressure vessels and heat exchangers with country specific certification such as CUTR, DOSH, WorkSafe, CRN / ABSA etc.
- Storage Tanks to API 650 / 620, BS 2594, EN 12285
- Portable tanks for hazardous chemicals with IMDG, ADR, RID, CSC, US DOT, UK DfT certification
- High pressure pipe work under ASME 'S' Stamp or IBR Stamp
- Various pressure parts for high pressure boilers under IBR 1950 or ASME 'S' Stamp
- Air cooled Heat Exchangers and Air Cooled Condensers as per API 661
- Offshore containers to EN 12079
- Custom designed structures for offshore and onshore applications
- Miscellaneous process plant equipment such as chimney, silo, duct work, static parts of air preheater, fan, compressor etc.
- Skid mounted assemblies such as metering / proving skids, pig launcher / receiver skids, pressure reduction / filtration skids, dosing skids, compressor skids, pump skids etc.

SERVICES OFFERED

- Design, detailed engineering, drawings, technical specifications, data sheets
- Material procurement
- Shop fabrication
- Welding of exotic metals
- *Stress relieving, normalizing*
- Hydrostatic, pneumatic, *helium leak* testing
- Non destructive testing
- Blasting, painting including application of special coatings like Belzona / Ceramkote etc.
- *Spray metalizing, Electroless nickel plating, Lead / PTFE / PPE / PVC / Rubber lining*
- Pickling and passivation
- Code Stamping (U, U2, S, NB, R, CE) and certification
- Export documentation

(items shown in italics are done thru specialist subcontractors)

INDUSTRY SECTORS SERVED

- Oil and gas industry – offshore and onshore
- Petrochemical plants
- Chemical Plants
- Power plants – Thermal, Nuclear, Hydro
- Non conventional energy sector (Solar, Wind)
- Steel plants, Aluminum plants
- Fertilizer plants
- Ports and Infrastructure sector

FACILITIES

- Industrial plot of 8 acres (32,456 SqM)
- Fabrication Workshop: Bay 1 & 2: 7,025 SqM; 140.5 M (L) x 50 M (W) x 16 M (H)
- Open Workshop Bay 4: 64 M (L) x 25 M (W)
- Fully concreted, 4.5 M wide access road from public road to workshop
- 4.76 Acres of open area for lay down of materials and finished goods
- Office of 1,250 SqM floor area
- Covered store of 220 SqM floor area
- Power from grid 470 KVA, on 24 x 7 basis
- Borewell 75 M deep, overhead tanks, 70 CuM underground sump with filtration system and a 50 LPH RO plant
- Roof Top Solar Plant 135 KWp

Views from Plant Gate



Aerial Views of the plant



See drone video of the facility here: <https://youtu.be/1jNW-O-QYhg>

Views of the Workshop Building



Views of Laydown Area / Open Area



Views of the Workshop Floor



Main Building



Design & Engineering Office in the City



CERTIFICATIONS

We are authorized by the American Society of Mechanical Engineers (ASME) to manufacture:

- Pressure Vessels ('U' and 'U2' Stamp)
- Boilers and boiler components ('S' Stamp)

We are also authorized by the National Board of Boiler and Pressure Vessel Inspectors, USA to:

- Register equipment manufactured under the Code ('NB' Stamp)
- Repair and recertification of the above ('R' Stamp)

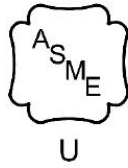
We are authorized to manufacture pressure vessels and apply CE mark under Module H and H1 of Pressure Equipment Directive PED/2014/68/EU of the European Union. We are also authorized to and apply CE mark under AD2000 Merkblatt Module HP0. Welding Management System is certified to ISO 3834-2.

We are an approved workshop under Indian Boiler Regulations 1950 for manufacture of Heat Exchangers, Pressure Vessels, Boiler Parts like Steam Drum, Mud Drum, Water Walls, Super Heater, Evaporator, Economiser, Reheater, Blowdown Tank, etc.

Our quality management system is certified to ISO 9001: 2015. Occupational Health and Safety management system as well as Environment management system is certified to ISO 45001: 2018 and ISO 14001:2015 under a comprehensive Integrated Management System.

The facility has been approved by Engineers India Limited (EIL), a premier plant engineering and consultancy organization in India for the hydrocarbon industry. We are also approved by Petroleum and Explosives Safety Organisation (PESO), India for manufacture of static and mobile unfired pressure vessels.

The facility is approved by several Owner organisations, consultants and OEMs for pressure vessels, heat exchangers, storage tanks, pressure piping, skid mounted assemblies etc.



CERTIFICATE OF AUTHORIZATION

The named company is authorized by the American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the ASME Certification Mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with the ASME Certification Mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

Baroda Equipment and Vessels Private Limited
Block 241-243, Muval-Mobha Road
Muval P.O., Padra Taluk
Vadodara District, Gujarat 391430
India

SCOPE:

Manufacture of pressure vessels at the above location and field sites controlled by the above location (This authorization does not cover impregnated graphite)

AUTHORIZED: **February 24, 2021**

EXPIRES: **February 24, 2024**

CERTIFICATE NUMBER: **38309**

A blue ink signature of David E. Tuttle.

Board Chair, Conformity Assessment

A blue ink signature of Paul Chang.

Managing Director, Conformity Assessment





U2

CERTIFICATE OF AUTHORIZATION

The named company is authorized by the American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the ASME Certification Mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with the ASME Certification Mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

Baroda Equipment and Vessels Private Limited
Block 241-243, Muval-Mobha Road
Muval P.O., Padra Taluk
Vadodara District, Gujarat 391430
India

SCOPE:

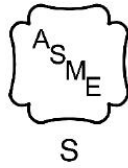
Manufacture of Class 1 and Class 2 pressure vessels at the above location and field sites controlled by the above location

AUTHORIZED: **February 24, 2021**
EXPIRES: **February 24, 2024**
CERTIFICATE NUMBER: **42088**

Board Chair, Conformity Assessment

Managing Director, Conformity Assessment





CERTIFICATE OF AUTHORIZATION

The named company is authorized by the American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the ASME Certification Mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with the ASME Certification Mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

Baroda Equipment and Vessels Private Limited
Block 241-243, Muval-Mobha Road
Muval P.O., Padra Taluk
Vadodara District, Gujarat 391430
India

SCOPE:

**Manufacture and assembly of power boilers at the above location and field sites
controlled by the above location**

AUTHORIZED: **February 24, 2021**

EXPIRES: **February 24, 2024**

CERTIFICATE NUMBER: **38308**

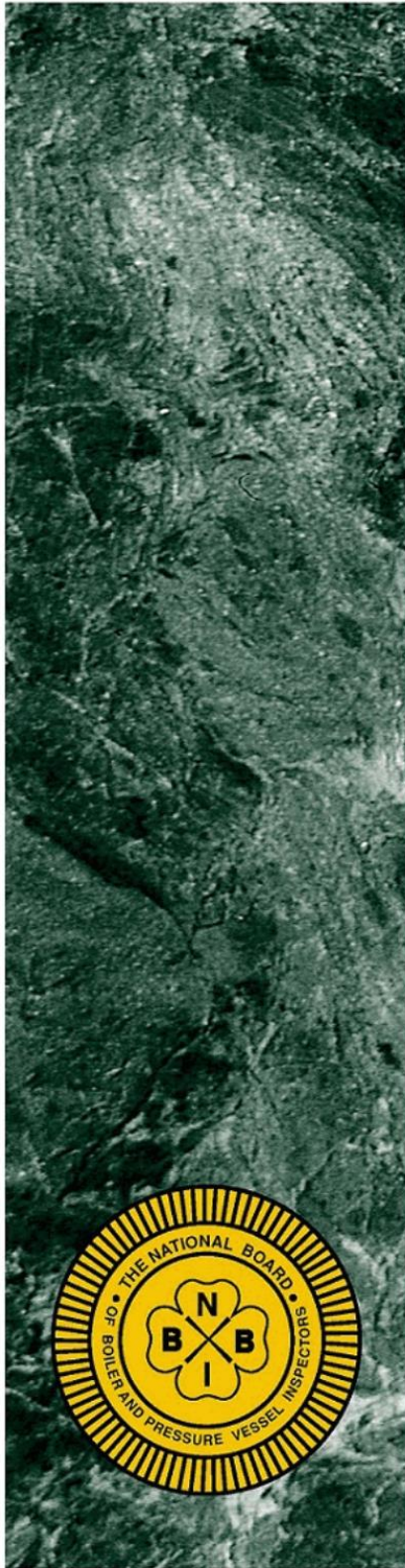
A handwritten signature in blue ink, reading 'David E. Tuttle'.

Board Chair, Conformity Assessment

A handwritten signature in black ink, reading 'Paul Chang'.

Managing Director, Conformity Assessment





**THE NATIONAL BOARD
OF
BOILER & PRESSURE VESSEL INSPECTORS**

Certificate of Authorization



This is to certify that

**Baroda Equipment and Vessels Private Limited
Block 241-243, Muval-Mobha Road
Muval P.O., Padra Taluk
Vadodara District, Gujarat 391430
India**

Acceptable Abbreviation: BEV

is authorized to use the R Symbol in accordance with the provisions of the National Board Inspection Code and NB-415, Accreditation of "R" Repair Organizations.

All activities within the scope of this Authorization shall be controlled by the above location.

The scope of this Authorization is limited to:

Metallic
Repairs and Alterations
At
Shop and Field Locations

Certification Number: 7695

Issue Date: October 21, 2020

Expiration Date: February 24, 2024

Executive Director

**THE NATIONAL BOARD
OF
BOILER & PRESSURE VESSEL INSPECTORS**

*Certificate of Authorization
to Register*



This is to certify that

**BARODA EQUIPMENT AND VESSELS PRIVATE LIMITED
BLOCK 241-243, MUVAL-MOBHA ROAD
MUVAL P.O., PADRA TALUK
VADODARA DISTRICT, GUJARAT 391430
INDIA**

*is authorized to apply the "NB" mark and register
boilers, pressure vessels or other pressure retaining
items with the National Board.*

*The scope of Authorization is limited to items
manufactured in accordance with:*

ASME Designator(s): **S U U2**

ISSUE DATE: **January 7, 2015**

*This Certificate of Authorization to Register will remain
in effect as long as the manufacturing organization holds
a valid Certificate of Authorization issued by the
American Society of Mechanical Engineers.*

Executive Director

A handwritten signature in black ink, appearing to read 'D. A. S.', written over a horizontal line.



Hartford Steam Boiler Ireland Limited
28 Windsor Place, Lower Pembroke Street
Dublin 2, Ireland
Registered at the above address
Registration Number: 646225



**PRESSURE EQUIPMENT DIRECTIVE 2014/68/EU
QUALITY ASSURANCE CERTIFICATE**

Module: H1

The company

**Baroda Equipment and Vessels Private Limited
Block 241-243, Muval-Mobha Road
PO Muval, Taluk Padra, Vadodara
Gujarat 391430
India**

*successfully implemented a Quality System meeting the requirements of
Pressure Equipment Directive 2014/68/EU
and meets the requirements of Module H1 of the Directive.*

*This Certificate applies to design, manufacture, final product
inspection and testing of
Pressure Vessel (Pressure Retaining Equipment)*

The Notified Body:
Hartford Steam Boiler Ireland Limited
28 Windsor Place
Lower Pembroke Street
Dublin 2, Ireland

Notified Body: 2833

CERTIFICATION

Certification Number	HSB IE-23-02-058
HSB IE Reg.-No.	IN.BEV.1285.00-H1
First Certification (HSB)	15. Jun 2012
Certification Date	20. Feb 2023
Expiration Date	26. Jan 2026

Pedro Veiga
NAME

17-February-2023
DATE

Hartford
Steam
Boiler
Ireland Ltd.
SIGNATURE 2833

QP10.22-F.066 Rev 0 Aug 2022
Notified Body Identification Number 2833



Hartford Steam Boiler Ireland Limited
28 Windsor Place, Lower Pembroke Street
Dublin 2, Ireland
Registered at the above address
Registration Number: 646225



**PRESSURE EQUIPMENT DIRECTIVE 2014/68/EU
QUALITY ASSURANCE CERTIFICATE**

Module: H

The company

**Baroda Equipment and Vessels Private Limited
Block 241-243, Muval-Mobha Road
PO Muval, Taluk Padra, Vadodara
Gujarat 391430
India**

*successfully implemented a Quality System according to the
Pressure Equipment Directive 2014/68/EU
and meets the requirements of **Module H** of the Directive.*

*This Certificate applies to design, manufacture, final product
inspection and testing of*

Pressure Vessels and Heat Exchangers

The Notified Body:
Hartford Steam Boiler Ireland Limited
28 Windsor Place
Lower Pembroke Street
Dublin 2, Ireland

Notified Body: 2833

CERTIFICATION

Certification Number	HSB IE-23-02-057
HSB IE Reg.-No.	IN.BEV.1452.00-H
First Certification (HSB)	27. Jan 2014
Certification Date	20. Feb 2023
Expiration Date	26. Jan 2026

Pedro Veiga
NAME

20-February-2023
DATE

Hartford
Steam
Boiler
Ireland Ltd.
SIGNATURE 2833

QP10.22-F.064 Rev 5 Aug 2022
Notified Body Identification Number 2833



Certificate

Manufacturer and Welding Shop acc. to AD 2000-Code

Certificate no.: 01 202 IND/A-22 0001

Name and address of the
certificate holder: **Baroda Equipment and Vessels Private Limited**
Block 241-243,
Muval-Mobha Road, Muval
P.O., Padra Taluk
Vadodara 391430
India

It is hereby certified that the manufacturer has furnished
proof of the quality requirements. The above-mentioned
company:

- has facilities permitting manufacturing and inspection in
conformity with the present technical standard,
- operates a quality system which guarantees that manufacturing
and inspection of the products stated in our report
are in conformity with the technical codes and regulations,
- employees qualified supervisory and inspection
personnel.

Specifications: **AD 2000-Merkblatt HP 0;**
under the Directive 2014/68/EU Annex I, Para. 3.1


Test Report no.: 114/ 166199879

Scope: **Manufacturing of Pressure Equipment, see report**

Manufacturing Plant: see certificate holder

Validity: **This certificate is valid until 2025-08-01.**

Cologne, 2022-08-02


Dipl.-Ing. Achim Makowka
Certification body for welding manufacturers



TÜV Rheinland Industrie Service GmbH
Certification body for welding manufacturers
Am Grauen Stein, D-51105 Cologne

M-010-Rev24

Certificate

Inspection of the welding quality requirements according ISO 3834

Certificate no.: 01 240 IND/A-19 0006.00

Name and address of the
certificate holder:

Baroda Equipment and Vessels Private Limited
Block 241-243, Muval-Mobha Road,
Muval P.O., Padra Taluk
Vadodara 391430
India

It is hereby certified that the manufacturer has furnished
proof of the quality requirements according to the test basis.
The mentioned company:

- operates a quality system which ensures that the
manufacture and inspection of the products stated in our
report, are in compliance with applicable technical
standards and regulations;
- employs qualified supervisory and inspection personnel;
- has qualified welding processes and welding personnel;
- has adequate facilities permitting manufacture and inspection of
welded products.

Test basis:

EN ISO 3834-2

Audit report no.:

114/ 146758429

Scope:

**The scope of the inspection and other relevant data are
given in the annex to the certificate.**


Manufacturing plant:

see certificate holder

Validity:

This certificate is valid until 2026-02-02.

Cologne, 2023-03-07


Dipl.-Ing. Achim Makowka
Certification Body for welding manufacturers

TÜV Rheinland Industrie Service GmbH
Certification Body for welding manufacturers
Am Grauen Stein, D-51105 Cologne

M-012-Rev24

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www.tuv.com





Office of the Director of Boiler, Gujarat State

3rd Floor, D Block, Bahumali Bhawan, Manjushri Mill Compound, Asarva, Girdharnagar
Ahmedabad- 380004.

e-mail :- cisbnsn-lab-ahd@gujarat.gov.in & Web site :- <http://www.boiler.gujarat.gov.in>

No. DOB/TECH/2021/CA062021-20220000873

Date:08/09/2021

To,
BARODA EQUIPMENT AND VESSELS PVT LTD,
BLOCK 241-243, MUVAL-MOBHA ROAD, POST-MUVAL, 391430

Sub : Extension of Approval of your workshop for Manufacturing of Heat Exchangers, Pressure Vessels, Boilers Parts like Steam Drums, Mud Drums, Super Heaters, Evaporators, Re heaters, Blow Down Tanks etc. under inspection of IBR - 1950 Code.

- Ref: 1. First approval letter no.15808 dtd. 31-08-2017
2. Your application no.A0032021-20220001327 dtd. 13-08-2021
3. This office Inward no.2021BWCIB1128440189 dtd. 13-08-2021
4. Government of Gujarat Notification No. GR - 2007 - 73 - IBA - 1099 - 1895 (I) - M - (3)
dtd. 31/08/2007

Sir,

With reference to above you subject & referred letter the approval granted to your firm for "Manufacturing of Heat Exchangers, Pressure Vessels, Boilers Parts like Steam Drums, Mud Drums, Super Heaters, Evaporators, Re heaters, Blow Down Tanks etc." under inspection of IBR -1950 is extended for Two year more. i.e from 31/08/2021 to 30/08/2023 other conditions are remains same as per reference letter 1

Online receipt No.1798374 of Rs.10000.00 dtd.24/08/2021 for registration / renewal fees is received.
Also you shall apply for renewal of their firm recognition at least two months before the expiry of said period.

Yours Faithfully,

Shri B. H. Patel
Director of Boilers,
Gujarat State, Ahmedabad.

Copy to: D.O.B / TECH /2021 /CA062021-20220000873 08/09/2021 Dated
Shri D. R. Mistry, Deputy Director of Boilers, Vadodara Region for information and necessary action



BUREAU
VERITAS

Bureau Veritas Certification



BARODA EQUIPMENT AND VESSELS PRIVATE LIMITED



BLOCK NO. 241 – 243, MUVAL - MOBHA ROAD, MUVAL P.O. PADRA TALUKA,
VADODARA – 391 430, GUJARAT, INDIA.

Bureau Veritas Certification Holding SAS – UK Branch certifies that the Management System of the above organization has been audited and found to be in accordance with the requirements of the Management System Standard detailed below.

Standard

ISO 9001:2015

Scope of certification

DESIGN, MANUFACTURE AND SUPPLY OF PRESSURE VESSELS, HEAT EXCHANGERS, STORAGE TANKS, SKID MOUNTED ASSEMBLIES, PRESSURE PIPINGS, STRUCTURES, BOILER COMPONENTS AND CUSTOM BUILT STATIC PROCESS PLANT EQUIPMENT

Original cycle start date: **29 October 2009**

Recertification cycle start date: **26 October 2021**

Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on: **28 October 2024**

Certificate No. **IND.21.6355/QM/U**

Version: **1**

Revision date: **26 October 2021**

Signed on behalf of BVCH SAS UK Branch
Jagdheesh N. MANIAN
Head – CERTIFICATION, South Asia
Commodities, Industry & Facilities Division



0008

Certification body address: **5th Floor, 66 Prescott Street, London, E1 8HG, United Kingdom.**

Local office: **Bureau Veritas (India) Private Limited (Certification Business)**
72 Business Park, Marol Industrial Area, MIDC Cross Road "C",
Andheri (East), Mumbai – 400 093, India.

Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organization.
To check this certificate validity please call **+ 91 22 6274 2000**.



BUREAU
VERITAS

Bureau Veritas Certification



BARODA EQUIPMENT AND VESSELS PVT. LTD.



BLOCK 241-243, MUVAL-MOBHA ROAD, MUVAL P.O., PADRA TALUKA,
VADODARA – 391 430, GUJARAT, INDIA.

Bureau Veritas Certification Holding SAS – UK Branch certifies that the Management System of the above organization has been audited and found to be in accordance with the requirements of the Management System standards detailed below.

Standards

ISO 14001:2015 & ISO 45001:2018

Scope of certification

**DESIGN, MANUFACTURE AND SUPPLY OF PRESSURE VESSELS,
HEAT EXCHANGERS, STORAGE TANKS, SKID MOUNTED
ASSEMBLIES, PRESSURE PIPING, STRUCTURES, BOILER
COMPONENTS AND CUSTOM BUILT STATIC PROCESS PLANT
EQUIPMENT.**

Original cycle start date for ISO 14001:	19 April 2018
Original cycle start date for ISO 45001:	09 April 2021
Expiry date of previous cycle for ISO 14001:	18 April 2021
Expiry date of previous cycle for ISO 45001:	Not Applicable
Recertification Audit date for ISO 14001:	12 February 2021
Certification Audit date for ISO 45001:	12 February 2021
Recertification cycle start date for ISO 14001:	09 April 2021
Certification cycle start date for ISO 45001:	09 April 2021

Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on: **08 April 2024**

Certificate No. **IND.21.7868/IM/U** Version : 1 Revision date: **09 April 2021**

Jagdheesh N. Manian

Signed on behalf of BVCH SAS – UK Branch
Jagdheesh N. MANIAN
Head – CERTIFICATION, South Asia
Commodities, Industry & Facilities Division



0008

Certification body address: 5th Floor, 66 Prescott Street, London, E1 8HG, United Kingdom.

Local office: Bureau Veritas (India) Private Limited (Certification Business)
72 Business Park, Marol Industrial Area, MIDC Cross Road "C",
Andheri (East), Mumbai – 400 093, India.

Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organization.
To check this certificate validity please call **+91 22 6274 2000**.

Procurement Development Department

Ref: 4994/PDD/I/RE/B216

Date: 8th Jun, 2021

M/s Baroda Equipment and Vessels Pvt. Ltd.
 Block 241-243, Muval-Mobha Road
 P.O. Muval, Taluk – Padra
 Vadodara – 391 430
 Gujarat

Subject: Revalidation of Enlistment with EIL

Dear Sirs,

We refer to your application on subject matter and are pleased to inform that your enlistment with EIL has been revalidated for the items as described below:

Item Description	Material / Range		
Pressure Vessels	<u>Material</u>	<u>Shell Thickness</u>	
	CS	Upto 50mm	
	SS, All grades: 304/316/321/347	Upto 25mm	
Heat Exchanger	<u>Material</u>	<u>Shell Thickness</u>	<u>Tube Sht. Thk.</u>
	CS	Upto 50mm	Upto 85mm
	SS, All grades: 304/316/321/347	Upto 25mm	Upto 85mm

(This enlistment is valid for your works located at Block 241-243, Muval-Mobha Road, P.O. Muval, Taluk – Padra, Vadodara – 391 430).

Kindly note enlistment with EIL does not guarantee any regular flow of enquiries. For information on enquiries issued by EIL, kindly refer our Tender Website (<https://tenders.eil.co.in/>) / CPP portal (<https://eprocure.gov.in/cppp/>). In the event of direct / indirect orders for the projects executed by EIL, materials shall be supplied strictly as per the material / range / works as stated above including agreed responsibility matrix, as applicable. Secondly, kindly keep on submitting your regular quotes for EIL RFQ's failing which, EIL shall be entitled to declare you as Dormant supplier as per the Terms and Conditions for enlistment.

Any change in the product range, location of Works/Sales Office, Management/ Organization structure etc., shall be intimated to us immediately along with relevant document for our necessary action. Further, kindly update your contact details on regular basis so that you may keep on receiving EIL communications. Also, kindly ensure submission of your Audited Annual Report on yearly basis to enable us update your latest financial data.


नीरज माथुर/NEERAJ MATHUR
 वरिष्ठ महाप्रबन्धक एवं प्रमुख
 प्रो. एवं HOD (PDD)
 इंजीनियर्स इंडिया लिमिटेड/ENGINEERS INDIA LIMITED
 (भारत सरकार का उपक्रम)/(A Govt. of India Undertaking)
 1, भीकाजी कामा प्लेस/1, Bhikaiji Cama Place,
 नई दिल्ली/New Delhi-110 066

Sheet 1 of 2



उत्कृष्टता का आधार - हमारे कर्म **Delivering Excellence Through People**
 पंजीकृत कार्यालय / Regd. Office - फोन / Phone : +91-11-26762121 (EPABX)
 CIN : L74899DL1965GOI004352 **एक काम देश नाम** Website : www.engineersindia.com
 सर्व शिक्षा अभियान **हिन्दी देश की सत्ता की कड़ी है।**
 Follow us : [/EngineersIND](https://www.facebook.com/EngineersIND) [@EngineersIND](https://www.twitter.com/EngineersIND) [/company/engineers-india-limited](https://www.linkedin.com/company/engineers-india-limited)



ईमेल/E-mail : pdd@eil.co.in

Procurement Development Department

Ref: 4994/PDD/I/EH/B216

Date: 26th July, 2021

M/s Baroda Equipment and Vessels Pvt. Ltd.
Block 241-243, Muval-Mohba Road
Taluka: Padra
Vadodara – 391 430
Gujarat

Subject: Enhancement of Enlistment with EIL

Dear Sirs,

We refer to your application on subject matter and are pleased to inform that your enlistment with EIL has been enhanced for the items as described below:

Item Description	Material / Range	
Pressure Vessels	<u>Material</u>	<u>Shell Thickness</u>
	SS, All Grades: 304/316/321/347	Upto 30mm
	LAS (1.25Cr-0.5Mo)	Upto 32mm

(This enlistment is valid for your works located at Block 241-243, Muval-Mohba Road, PO: Muval, Taluka: Padra, Vadodara – 391 430).

Kindly note enlistment with EIL does not guarantee any regular flow of enquiries. For information on enquiries issued by EIL, kindly refer our Tender Website (<https://tenders.eil.co.in/>) / CPP portal (<https://eprocure.gov.in/cppp/>). In the event of direct / indirect orders for the projects executed by EIL, materials shall be supplied strictly as per the material / range / works as stated above including agreed responsibility matrix, as applicable. Secondly, kindly keep on submitting your regular quotes for EIL RFQ's failing which, EIL shall be entitled to declare you as Dormant supplier as per the Terms and Conditions for enlistment.

Any change in the product range, location of Works/Sales Office, Management/ Organization structure etc., shall be intimated to us immediately along with relevant document for our necessary action. Further, kindly update your contact details on regular basis so that you may keep on receiving EIL communications. Also, kindly ensure submission of your Audited Annual Report on yearly basis to enable us update your latest financial data.

 **नीरज माथुर/NEERAJ MATHUR**
व्यक्ति महाप्रबन्धक एवं प्रमुख
ज.एम. & HOD (PDD)
इंजीनियर्स इंडिया लिमिटेड/ENGINEERS INDIA LIMITED
(भारत सरकार का उपक्रम)/(A Govt. of India Undertaking)
1, भीकाजी कामा प्लेस/1, Bhikaji Cama Place,
नई दिल्ली/New Delhi-110 066

Sheet 1 of 2

ईमेल/E-mail : pdd@eil.co.in



उत्कृष्टता का आधार - हमारे कर्म **Delivering Excellence Through People**
पंजीकृत कार्यालय / Regd. Office - फोन / Phone : +91-11-26762121 (EPABX)
CIN : L74899DL1965GOI004352  Website : www.engineersindia.com
सर्व शिक्षा अभियान हिन्दी देश की एकता की कड़ी है।
Follow us : [f/EngineersIND](https://www.facebook.com/EngineersIND) [@EngineersIND](https://twitter.com/EngineersIND) [in/company/engineers-india-limited](https://www.linkedin.com/company/engineers-india-limited)





Government of India
Ministry of Commerce & Industry
Petroleum & Explosives Safety Organisation (PESO)
5th Floor, A-Block, CGO Complex, Seminary Hills,
Nagpur - 440006

E-mail : explosives@explosives.gov.in
Phone/Fax No : 0712 -2510248, Fax-
2510577

Approval No : A/S/HQ/GJ/PVM/36 (S97136)

Dated : 05/03/2021

To,

M/s. Baroda Equipments and Vessels Pvt. Ltd.,
Block 241-243, Muval-Mobha Road, P.O. Muval, Talu.,
Vadodara-391430, Gujarat, India
Muval,
Padra,
Taluka: Vadodara,
District: VADODARA
State: Gujarat
PIN: 391430

Sub : Approval of Fabrication shop situated at **Plot No, 241-243, Block 241-243, Muval-Mobha Road,**
Taluka Padra, Dist-Vadodara - 391430, Muval, Vadodara, Taluka: Padra, District:
VADODARA, State: Gujarat, PIN: 391430 for fabrication of APPROVAL OF WORK SHOP FOR
FABRICATION OF NON CRYOGENIC PRESSURE VESSELS under Static & Mobile Pressure
Vessel(Unfired) Rules, 2016-Reg- **Approval**.

Sir(s),

Please refer to your letter No. **ON417143** dated **02/03/2021** on the subject. The fabrication shop
is approval granted under Static & Mobile Pressure Vessel(Unfired) Rules, 2016 is here by
revalidated upto **31/12/2022**.

Please note that intimation for the revalidation of the shop approval shall be made so as to reach
this office before the date ie(**31/12/2022**) on which it expires.

You shall also furnish a performance report on yearly basis, detailing the number of Pressure
Vessel(Unfired) fabricated with Sr. No , and details of the customers.

This approval may be amended or withdrawn at any time if considered necessary in the interest
of safety or if any of the conditions as mentioned above are violated or not complied with.

Please indicate Dockey (**S97136**) for future correspondance.

Yours faithfully,

(K Srinivasa Rao)
Controller of Explosives
For Chief Controller of Explosives



न्यूक्लियर पावर कारपोरेशन ऑफ इंडिया लि.
(भारत सरकार का उद्यम)

NUCLEAR POWER CORPORATION OF INDIA LTD.
(A Govt. of India Enterprise)

संविदा एवं सामग्री प्रबंधन निदेशालय
नाभिकीय ऊर्जा भवन,
ए-'O' ब्लॉक, तुलमाला,
अणुशक्तिनगर, मुंबई - 400 094.
दूरभाष: 2599 3000 / 2599 1000
तार : अणुऊर्जा, मुंबई -400 094.
फैक्स : 91-22-2558 0741

DIRECTORATE OF CONTRACTS & MATERIALS MANAGEMENT
Nabhikiya Urja Bhavan
A-'O' Block, Ground Floor,
AnushaktiNagar, Mumbai - 400 094.
Tel. : 2599 3000 / 2599 1000
Gram : ANUOORJA, Mumbai - 400 094.
Fax : 91-22-2558 0741

Ref: NPC/CMM/VSR/ 1316

Date: 5-Dec-11

M/s. BARODA EQUIPMENT & VESSELS PVT. LTD
Block 241-243, Muval-Mobha Road, P.O. Muval
Taluka - Padra, Gujarat
Vadodara 391430

Dear Sirs,

Sub: Registration of Vendors with NPCIL

With reference to your letter for registration with NPC we are pleased to inform you that you have been registered as an approved supplier as per details given below:

Registration No.: **VSR/1316**

Registered as Manufacturer

For: **HEAT EXCHAGERS**

Design fabrication and machining of Pressure Vessels & Heat Exchangers (Shell and U Tube type) As per Annexure

You are registered for supply of items not exceeding ₹ 50 Lakhs against an individual order. However you may quote against tenders for items for which you are registered (Without any monetary limit).

PERIOD UPTO WHICH REGISTRATION IS VALID: 3 YEARS

Please note that this registration does not confer any particular rights on you and the Directorate of Contracts and Materials Management of Nuclear Power Corporation of India Ltd., is not obliged to contact you for any or all of the requirements for the items for which you have been registered. Further the registration will be liable for cancellation for a) non-fulfillment of contract obligation or b) any grounds, which in the opinion of the Executive Director, Directorate of Contracts & Materials Management, Nuclear Power Corporation of India Ltd., Mumbai render the retention of this registration undesirable in public interest.

If any change in the details like name, address, and product range etc., given earlier may please be communicated to us as and when arises.

Please ensure that fresh application is made indicating changes if any in the information furnished in the registration form, for renewal of your registration at least three months before expiry of validity period of registration certificate so that continuity will be maintained to contact you for our future requirements.

Yours faithfully,


(S.Y. Sheshappanavar)

ADDL. GENERAL MANAGER, C&MM


पंजीकृत कार्यालय : 16 वी मंजिल, सेंटर - 1, वर्ल्ड ट्रेड सेंटर, कफ परेड, कुलाबा, मुंबई - 400 005.

Regd. Office : 16th Floor, Centre - 1, World Trade Centre, Cuffe Parade, Colaba, Mumbai - 400 005.

Visit us at : www.npcil.org

ANNEXURE

Item /Description	Material / Range
Pressure Vessels / Columns	Material Shell Thickness
	CS - 30 mm
	SS - 28 mm
	Maximum diameter of shell 4000mm and maximum total weight of job - 25 tons
Heat Exchangers (Shell & Tube Type and U tube type)	CS Tube Sheet Max thk - 60 mm


(S.Y. Sheshappanavar)
AGM, CMM



हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड

(भारत सरकार उपक्रम) रजिस्टर्ड ऑफिस : 17, जमशेदजी टाटा रोड, मुंबई - 400 020.

HINDUSTAN PETROLEUM CORPORATION LIMITED

(A GOVERNMENT OF INDIA ENTERPRISE) REGISTERED OFFICE : 17, JAMSHEDJI TATA ROAD, MUMBAI - 400 020.

मुंबई रिफाइनरी : पो. ऑ. बॉक्स नं. 18820, बी. डी. पाटील मार्ग, माहुल, मुंबई - 400 074.

MUMBAI REFINERY : P. O. BOX NO. 18820, B. D. PATIL MARG, MAHUL, MUMBAI - 400 074.

दूरभाष / TELEPHONE : +91-22-2507 6000, फैक्स / FAX : +91-22-2554 1054

CIN - L23201MH1952GOI008858

Ref. : MR/VMC/EJ

Date : December 21, 2015

To
M/s. Baroda Equipment and Vessels Pvt. Ltd.
Block 241 - 243,
Muval - Mobha Road,
P. O. - Muval, Ta-Padra,
Vadodara:391 430.

Subject : Enhancement of Financial Limit

: HPCL Registration No. (ERP) : 20011463

Dear Sir / Madam,

This is in reference to your application for enhancement of financial limit for supply of material and / or services to HPCL. The application and the accompanying documents, along with clarifications and testimonials received have been reviewed.

Consequently, we are pleased to enhance financial limit for the following:-

Sl. No.	Item Code	Description	Max. Financial Limit
1	C405	Pressure Vessel Repairs & Internal jobs	Rs.500 lakhs (Rupees Five Hundred Lakhs Only)
2	C501	Pressure Vessel Fabrication	
3	C502	Exchanger Fabrication	
4	C503	Column Internal Fabrication	
5	C599	Miscellaneous [Fabrication]	

Please appreciate that as we have several vendors registered with us for each item code, we cannot request you for an offer for every contract, you have to wait for your turn.

Further, it may please be noted that:

1. Any change in your product range, location of Works / Sales Office / Management / Organisation structure, e-mail ID for e-procurement, Contact Telephone/Cell No., information of acknowledgement of company as Micro, Small Enterprises (MSE) by Government departments etc. should be intimated to us immediately along with the supporting documents quoting the above mentioned ERP No. for necessary updation in our system.

2. Also, please note that HPCL - MR has initiated procurement through E-Tendering and the tenders shall be floated through E-Tender also. Hence, you are requested to enroll at HPCL E-procurement site (<https://etender.hpcl.co.in>) to enable you to participate in E-tendering [i.e. through online bidding]. Help Desk No. 022-4210 0111 (10.00 hrs. to 18.00 hrs.).

Please acknowledge and return the duplicate copy of this letter by your authorized signatory as your acceptance for our record.

We thank you once again for expressing interest in serving HPCL and look forward to a mutually beneficial relationship in future.

Thanking you.

Yours Truly,

C. Hemram
Sr. Manager - Materials
(Vendor Development)



Gujarat Narmada Valley Fertilizers Co. Ltd
(An ISO 14001 Company)

Regd. Office :

P.O., Narmadanagar-392 015,
Dist. Bharuch, Gujarat, India
Phone : (2642) 663471
Fax : (2642) 247122 / 247059
E-mail : nvratnani@gnfc.in

GNFC Reference No. :
MM/NVR/VR/6968
Date : 05.03.2010

M/s Baroda Equipment & Vessels P Ltd
Block 241-243, Muval Mobha Road
Muval PO, Tal. Padra
Vadodara - 391430

Kind Attention : Mr. Lekshminarayanan S

Dear sir,

Sub : Confirmation of Registration as approved vendor.

Ref : Your application dtd. 08.02.2010

Registration of items : (a) Heat Exchanger : Design Pressure upto 15 Kg/Sq. Cm,
Nos. of tubes upto 150 & (b) Pressure Vessels : Design Pressure upto 20 Kg/Sq. CM,
Volume upto 30 Cu. Mtr.

With reference to above, we are pleased to inform that our Vendor Evaluation Committee consisting of Senior Executives of GNFC has examined the **Profile** of your organization and considering core strengths of the organization, GNFC management has approved to include your organization in the list of approved vendors for the above items.

Your GNFC Vendor Code is : 111022

This registration shall not create or impose any obligation or liability on GNFC.

Your organization will receive enquiries for above items as and when needs arises for the same at our end.

We wish to have a long good business relationship with your organization for mutual benefits.

Thanking you,

Yours faithfully,

N V Ratnani
Chief Manager (Materials)

N. V. Ratnani
Chief Manager (Materials)
G.N.F.C Ltd.
Narmadanagar-392015.



मेकॉन लिमिटेड (भारत सरकार का संस्थान)
MECON LIMITED (A GOVERNMENT OF INDIA ENTERPRISE)



प्रधान कार्यालय (Head Office): राँची-2, झारखण्ड, भारत, Ranchi-2, Jharkhand, India, फोन/Phone : 0651-2483000, फैक्स/Fax : 0651-2482189/2482214
ई-मेल/E-mail : ranchi@meconlimited.co.in, वेबसाइट/Website : http:// www.meconlimited.co.in
CIN No. : U74140JH1973GOI001199

Ref.No.11.74.9181/CVDC/39/B-179/V-6098

Date:08-NOV-16

BARODA EQUIPMENT & VESSELS PVT LTD
Block No 241-243
Muvali Mobha Road
Muval
Vadodara 391430 Gujarat
Tel::02662 243100 243100

Sub : Vendor Registration with MECON (Vendor code: V-6098)

Ref : Your letter No. BEV-010-DL-C-X999-590 dated 18-MAR-16

Dear Sirs,

Kindly refer to your above mentioned letter. We are pleased to inform you that your company (Vadodara works) is enlisted in our Approved Vendor List for the following, which is now valid till 07-NOV-19.

OIL & GAS EQUIPMENT MECHANICAL ITEMS

- 1 **PRESSURE VESSELS (043) As per ASM Section VIII Div. 1 (Latest) & Vessel "U" Stamped(Applied) -Manufacturer**

Please note that this enlistment is subject to satisfactory execution of orders in delivery and quality of above mentioned items when ordered for various projects.

Further it may please be noted that any change in the product, location of works/ sales office, Management/ Organisation structure etc. shall be intimated to us promptly along with relevant document for our necessary action, failing which our enquiries may not reach you and also your enlistment with us will be liable to be cancelled. Kindly keep sending your annual report every year. Your performance shall be periodically reviewed by us for continuation of your enlistment with MECON.

The above enlistment does not necessarily confirm issue of tender enquiries, which is at the sole discretion of MECON/MECON's client. It is your responsibility to apply for renewal of your registration at least 2 months in advance of expiry of this validity period.

Thanking you.

Yours faithfully
For **MECON LIMITED**


(S Paul)

Dy. GM I/c. (CVDC)

email: cvdcranchi@meconlimited.co.in
Fax:0651-248 2189 Tel:0651-248 3486

Major Offices:

नई दिल्ली / New Delhi
+91-11-2204 1201 (Phone)
+91-11-2204 1214 (Fax)
delhi@meconlimited.co.in

मुम्बई / Mumbai
+91-22-2781 2155-58 (Phone)
+91-22-2781 2275 (Fax)
mumbai@meconlimited.co.in

कोलकाता / Kolkata
+91-33-2282 2381-82 (Phone)
+91-33-2282 4441 (Fax)
kolkata@meconlimited.co.in

चेन्नई / Chennai
+91-44-2618 4873 (Phone)
+91-44-2618 4874 (Fax)
chennai@meconlimited.co.in

बैंगलूरु / Bangalore
+91-80-2657 1661-63 (Phone)
+91-80-2657 6352 (Fax)
bangalore@meconlimited.co.in



BARODA EQUIPMENT AND VESSELS PVT. LTD.

OCCUPATIONAL HEALTH AND SAFETY POLICY

Baroda Equipment and Vessels Private Limited (BEV) is committed to safeguarding human health and safety and conserving the environment. BEV recognizes that meeting this commitment is integral to its long-term success and it will be achieved by means of:

- Maintaining a comprehensive HSE management system including procedures to ensure HSE aspects are included in the design, construction, operation and maintenance of facilities
- Complying with all applicable HSE laws and regulations and applying responsible standards where laws and regulations do not exist or are less onerous
- Setting clear objectives, responsibilities and accountability for HSE performance across all levels of the Company with measurement and reporting requirements
- Ensuring the appropriate training, supervision, information and resources are provided to all employees and contractors' personnel to enable HSE objectives to be achieved
- Identifying and assessing hazards and reducing risks to levels as low as practicable
- Managing its business with the goal of preventing incidents while preparing for all emergency situations through planning, exercising and training
- Using energy and natural resources efficiently and reducing waste and emissions
- Undertaking periodic reviews and assessments to ensure compliance with this policy and drive continuous improvement

All levels of management, employees and contractor's personnel are expected to participate in and comply with HSE initiatives and exercise individual responsibility for their own safety, the safety of others and protection of the environment.

Er. Lekshminarayanan S
Managing Director
20-Dec-2010



BARODA EQUIPMENT AND VESSELS PVT. LTD.

QUALITY POLICY

Baroda Equipment and Vessels Pvt. Ltd. (BEV) is committed to provide products and services to its customers in accordance with agreed requirements and applicable standards which exceed customer's expectations on quality, performance and value for money.

This will be achieved by means of establishing and maintaining a comprehensive quality management system conforming to the requirements of ISO 9001: 2015, monitoring the effectiveness and suitability of the system and striving for its continuous improvement.

BEV's Quality Objectives are to:

- Build on its reputation of quality, reliability and timely delivery with a view to achieve customer satisfaction
- Reduce non-conformities and re-work in its products and services
- Promote a culture of excellence in all facets of its operations

All BEV employees including contractor's personnel shall accept the responsibility to achieve the above quality objectives and comply with the specified system requirements.

This policy is made known to all employees through the company's induction program, regular training programs and prominent display in company's premises.

Er. Lekshminarayanan S
Managing Director



BARODA EQUIPMENT AND VESSELS PVT. LTD.

ENVIRONMENT POLICY

Baroda Equipment and Vessels is committed to ensure that its operations does not leave a bigger foot print on the environment than what is absolutely essential to sustain its business. Towards this end, BEV shall:

- Establish sound environmental objectives and targets and continually review them for effectiveness and betterment
- Conserve natural resources such as water, energy and raw materials by efficient use, minimizing waste generation and enhancing recovery, recycling and reuse
- Comply with all applicable environmental laws and regulations and where none exist, adopt responsible practices
- Encourage awareness, concern and respect for environment amongst its employees and stake holders

This policy has been communicated to all employees. It is available to stake holders and general public on request.

Er. Lekshminarayanan S
Managing Director

1-Oct-2012

MANUFACTURING CAPABILITY

Maximum

CNC Profile cutting	200 mm (CS), 38 mm (SS); 3.1 M wide x 14 M long
CNC cold cutting	406 mm □ or ○
Plate Rolling / Bending	3.2 M wide, 85 mm thick (cold), 115 mm (hot)
Turning in lathe	700 mm dia, 2000 mm long
Vertical Machining Centre	3150 x 2040 mm x 780 mm
Drilling	80 mm dia (steel), 100 mm (CI)
Threading	M64x4 (steel), M85x4 (CI)
Shearing & bending	20 mm thick x 3 M wide
Weight handled in single piece	> 200 Tons
Size of single piece	6.5 M dia ** x 45 M long

** limited by transport constraint

MATERIAL HANDLING

EOT Cranes	4 x 5 T (span 25 M, height of lift 6.2M) 1 x 10 T (span 25 M, height of lift 6.2 M) 1 x 32 T (span 25 M, height of lift 9.2 M)
Gantry (Goliath) crane	2 x 30 T (span 20.5 M, height of lift 12 M) 1 x 6 T (span 15 M, height of lift 6.25 M)
Monorail with motorized hoist	1 x 6 T
A Frame with manual hoist	2 x 5 T
Mobile Crane (Pick & Move)	12 / 14 T on call
Tyre mounted Crane	25 / 50 / 100 / 200 T on call

DESIGN AND ENGINEERING CAPABILITY

BEV has a team of competent design engineers, design associates and CAD draftsmen experienced in this field. Mechanical design and detailed engineering is done completely in-house. Generally PV Elite supplemented with custom developed spread sheets is used for mechanical design. Thermal design and hydro dynamic layout is developed using HTRI or ASPEN by our specialist design associate. Finite element analysis and stress analysis etc. can also be carried out by our expert design associates. In case process design or design of vessel internals is required, we can establish arrangements with well known European engineering companies operating from India or Europe.

Autocad is extensively used for drafting. Cutting / nesting plans are developed using Messer Omniwin software and transmitted to CNC Profile Cutter through dedicated fiber optic network. Machining of complex work pieces is developed using proprietary Hartrol software and transmitted through dedicated fiber optic network. Design and Engineering Office operates from the city and is seamlessly connected to the Plant and Corporate Office through dedicated leased lines and VPN.

If structural design and analysis is required, it could be done at our design associates using Staad Pro (or) Strap. Piping design and detailed engineering using PDMS and stress analysis using Caesar can be done by our design associates.

We also have competent electrical / instrumentation engineers and technicians for skid mounted assemblies.

We have the latest version of all necessary codes and standards.

OFFICE FACILITIES

BUILDING

- Administrative Office 540 SqM, centrally air conditioned
- 13 seater conference room with video conferencing, meeting rooms
- Design & Engineering Office in the city in 100 SqM area

COMMUNICATION

- Telephone with ISD facility through a 50 station Panasonic PABX System
- Internet, email, VOIP facility through leased lines

- Intranet facility using PostMaster Enterprise Edition and MS Outlook
- Access to international, national and local couriers

LAN SYSTEM

- Dedicated LAN Server with anti-virus, firewall and multi layer internet security
- Server configuration: Intel Quad-Core Xeon 5405 2.0GHz Processor, 8GB ECC DDR2 FBDIMM RAM and 2 x 500 GB Enterprise Storage SATA 7.2K RPM HDD
- 20 KVA UPS power back up
- Gigabit network switches with dedicated fiber optic / Cat 6E cabling
- 60+ workstations on LAN, all with LCD monitors
- Windows 2019 OS in server and Windows 7 / 10 in workstations

PRINTERS / PERIPHERALS

- Network Station Sharp MX-M202D with printer, flat bed scanner and photocopier
- HP Laser Jet 3050 with fax and scanner
- Digital Stencil Cutting Station CCS24CS, Custom Cut Stencil, USA
- HP Office Jet K7108
- HP Laser Jet Z Professional P1606DN
- Canon Laser Printer LBP 3500
- Barcode Printer with software Zebra GC 420t

ERP SYSTEM

- Seamless ERP system based on MS DOT NET technology using ASP.Net with VB.Net and C#.Net
- Back end SQL Server 2008
- Reports in Crystal Reports
- Contracts, Materials Management, Purchase, Finance, Quality, Document Control, Personnel and Payroll Modules
- Production Planning module under development

SOFTWARE

- PVElite 2019
- Autocad Mechanical and Inventor 2015
- Plate n Sheet Development Pro
- Messer Omniwin 3.5 for nesting of profiles for CNC Profile Cutting
- MS Office 2010
- MS Project 2007
- MS Visio 2007
- Nitro PDF
- PostMaster Enterprise Edition for intranet & internet server
- MS Outlook 2013
- Zoom, Google Meet, MS Teams, Cisco Webex, Skype Business for web meetings

LIST OF MACHINERY AND EQUIPMENT

Description	Make	Capacity	Qty
Material Preparation			
Horizontal Plate Rolling Machine	Schafer, Germany	3 rolls, 3.2 M (W) x 85 mm thick (cold); 115 mm thk (hot), smallest dia 726 mm	1
Vertical Plate Bending Rolls	Hugh Smith, UK	300 Tons, up to 32 mm thick, up to 3 M wide	1
CNC Profile Cutter	Messer	3.1 M (W) x 14 M (L) with 1 Plasma + 2 Oxy gas torches, EWAC 200 A Plasma Power Source, Omniwin nesting software	1
Pug Cutters with Oxy fuel torches	Esab , India	-	3
Pipe cutter with Oxy fuel torch	Koike, Japan	4" to 24" dia, 50 mm thk	1
Universal Steel Worker	Kingsland, UK	160 Tons, 300 x 300 mm with punching, slotting, slitting, notching etc.	1
Hydraulic Downstroke Press Brake	Pearson, UK	300 Tons, 3.124 M wide	1
Hydraulic Shearing Machine	Pearson, UK	300 Tons, 20 mm thick x 3 M wide	1
CNC Horizontal Bandsaw	Bigstone, Taiwan	406 mm dia	1
Automatic Horizontal Bandsaw	Amada, Japan	406 mm x 406 mm squares or 406 mm round	1
Horizontal Cut Off Saw	Thomas, UK	250 mm round	1
Cut Off Saw	Bosch, India	Upto 100mm	1
Section Bender	Roundo R4, Sweden	30 CM ³ ; 89 x 89 x 9.5 mm	1
Plasma Power Source thyristor based, with machine mounted and manual plasma torches	Quality, India	400 Amps	1

Machine Shop			
CNC 3 Axis Vertical Machining Centre	Hartford, Taiwan	X/Y/Z = 3050/2100/780 mm with Fanuc controls, 7000 rpm, BT50 spindle, 70 bar thru coolant, right angle milling head, and 20 tools Automatic Tool Changer	1
Horizontal Boring Machine	Wotan B130S, Germany	X/Y/W/Z = 2300/1850/2000/850 with DRO in all the axes, 130 mm spindle, 18 KW power	1
Radial Drill	MAS, Czech Republic	2.3 M boom, 80 mm spindle	1
Pillar Drill	Indian	1½" spindle x 1 and 1" spindle x 1	2
Gap Bed Centre Lathe	Harrison M500, UK	533 mm swing over bed x 254 mm height of centers x 1.524 M admit between centers	1
Gap Bed Centre Lathe	Colchester Mascot1600, UK	432 mm swing over bed x 216 mm height of centers x 2.032 M admit between centers	1
Gap Bed Centre Lathe	Dhara, India	570 mm swing over bed x 300 mm height of centers x 1.015 M admit between centers	1
Pipe and Rod Thread Cutting Machine	Beaver 50, Japan	½" to 2"	1
Fabrication			
Hydraulic Double Column Press	Enerpac, USA / BEV	500 Tons	1
Mechanical C Frame Press with electric decoiler, pneumatic auto feeder and progressive tooling for plate fins	Indian	30 Tons x 1 20 Tons x 1	2
Portable Plate Bevelling Machine	Promotech, Poland ABM-50	8 to 80 mm thk	1
Portable Plate Bevelling Machine	Gulco, UK	3 to 38 mm thk	1
Portable Tube Beveling Machine	Aotai	28 to 76 mm	2
Portable Tube Beveling Machine	Power Master	28 to 76 mm	1
Hydraulic hand held punch	Nitto Kohki, Japan	25 mm hole on 16 mm thk	1
Drill cum Broach Cutter with magnetic base	Bosch All Cut, India	80 mm dia	3

Drill cum Broach Cutter with magnetic base	Unibor, UK	100 mm dia	1
Portable Grinders	Bosch, India	7" and 5"	84
Portable straight grinders	Bosch / Electrolux		6
Tube expander with digital torque controller	Power Master	Size : up to 2½" x 1 up to 3" x 1	2
Impact Wrench, pneumatic	Griphold, India	250-1500 NM	1
	Ingersoll Rand	2169-5288 NM	1
Welding			
SAW Power Source, Welding Head, Wire Feeder, Flux Recovery Unit	Lincoln DC1000, NA-5 Digital and Weld Engg, USA	1000 Amps	2
SAW Power Source with tractor mounted welding head, wire feeder, flux dispenser and flux recovery unit	Memco, India	1000 Amps	4
SMAW + GTAW Machines, inverter based	Kemppi, Norway	400 Amps; with water cooled tig torches, HF unit	9
SMAW + GTAW Machines, inverter based	D&H Secheron	300 Amps	4
SMAW + FCAW Machines, inverter based	D&H Secheron	500 Amps; with water cooled tig torches, HF unit	1
SMAW + FCAW Machines with wire feeder, inverter based	D&H Secheron	400 Amps	3
SMAW + GTAW Machines, thyristor based	Quality	400 Amps; with water cooled torches	3
SMAW Machines, inverter based	D&H Secheron	500 Amps	3
GMAW Machine, inverter based	Lorch, Germany	300 Amps	1
GTAW Power Source with water cooling system, tig torch set and in-built HF	Quality, India	400 Amps	1
GTAW / FCAW Oscillator with travelling carriage and tractor unit	BugO, USA	Speedweaver	1
FCAW Tractor with travelling carriage	Koike		2

FCAW Machines with wire feeders, Inverter based	D&H Secheron	500 Amps	2
SMAW+FCAW Machines with wire feeders, Inverter based, CC-CV	D&H Secheron	500 Amps	6
		630 Amps	4
FCAW/SMAW+GTAW Machines with wire feeders, Inverter based, CC-CV	D&H Secheron	500 Amps	4
FCAW Machines with wire feeders, thyristor based	Quality QCM400	400 Amps	4
SMAW / Gouging Machine, Rectifier based	Quality, India	600 Amps	1
Electrode Holding Oven	Quality, India	50 kg	3
Electrode Baking Oven	Quality, India	50 kg	2
Flux Baking Oven	Force Arc Malaysia	100 kg; all stainless steel	2
Portable Electrode Quivers	Force Arc Malaysia	5 kg	30
Humidity controlled electrode storage room	Own	21 SqM, Dehumidifier from Bryair	1
Emergency Diesel Generator	45 KVA	Kirloskar	1
Welding Manipulators			
Column and Boom	Mogora, India	4M (V) x 7M (H)	1
Welding Rotators	Key Plant UK VWeld, India Amin, India	100 MT x 3, 75 MT x 4, 60 MT x 1, 50 MT x 4, 30 MT x 18, 10 MT x 3, 5 MT x 1	34
Welding Positioner with Column and Boom	A&N Plant, UK	1 MT	1
Welding Positioners with 3 jaw chucks	Key Plant UK	3 MT and 1.5 MT	2
Welding Positioner with face plate	India	3 MT x 2 & 5 MT x 1	3
Testing			
Hydro Test Pump	Gomo, India	30 HP, 600 bar	1
	Dev Pumps, India	700 Kg/Cm ²	1
Hydro Test Pump (Manual)	Valton, India	70 bar	1

Hydro Test Filling Pump	Kirloskar	5 HP, 3 ph, 5 CuM @ 50 M head	1
Hydrotest Chart Recorder	G-Tek	0-250 bar	1
Vacuum Testing Assembly with venturi air ejector	Local	750 x 100 x 70	1
Flat bottom Vacuum box for Weld Tests in Steel Tanks	Local	750 x 250mm	1
Surface Preparation and Painting			
Grit Blasting System	Hedge Clemco, UK	16 M(L) X 8(W) x 5M(H) totally enclosed with grit recovery and recycling and dust collection system	1
Blasting Cabinet (for glass bead blasting of Stainless Steel)	Synco, India	0.9 x 0.82 x 0.8 (H) all SS construction, with bead dispenser, recovery, recycling and dust collection system	1
Enclosure for spray painting	Own	7M(L) x 5M(W) x 5M(H)	1
Air Compressor (for blasting room)	ELGI, India	75 KW, 380 CFM @ 8.0 bar(g)	2
Air Compressor (for air plasma, gouging and spray painting)	Ingersoll Rand	22 CFM @ 12.6 bar(g)	2
Refrigerant Air Drier	Puriflair, India	500 CFM @ 7.5 bar(g)	1
		30 CFM @ 7.5 bar(g)	1
Blasting Pot	Blastline	200 Lit, with nozzles, air cooled blasting helmet and deadman's handle	2
Airless Spray Painting Machine	Graco, USA	60:1; with all accessories	1
Paint Mixer	-	Pneumatic	1
Insulation			
Manual Swager	W. Neal	1.6 mm MS	1
Manual Slip Rolls	W. Neal	1.6 mm MS	1
Electrical Shear	Makita	4.0 mm MS, 600 W	1
Heat Treatment			
Power source, resistance heating coils / pads, chart recorder, thermocouples, cables	Indian	Scaleable	1
Modular PWHT Furnace	Own	6 M (L) x 3 M (W) x 3 M (H), scaleable	1

Material Handling

EOT Crane	Electromech	32 MT, Ht below hook 9.25 M	1
Gantry (Goliath) Crane	Safex	30 MT, Ht below hook 12 M	2
EOT Crane	Electromech	10 MT, Ht below hook 6.25 M	1
EOT Crane	Electromech	5 MT, Ht below hook 6.25 M	2
EOT Crane	Tacklers	5 MT, Ht below hook 6.25 M	2
Gantry (Goliath) Crane	Indef	6 MT, Ht below hook 6.25 M	1
Electric Hoist	Indef	6 MT, Ht below hook 9.5 M	1
Flat Bed Wagon (for grit blasting room)	Own	17 MT, electrically operated	1
Flat Bed Wagon (for transfer of materials from laydown area)	Own	17 MT, electrically operated	1
Flat Bed Wagon	Own	10 MT, manually operated	2
Manual Hoists (Chain Pulley Block)	Indef	5 MT x 2, 3 MT x 3, 2 MT x 1	6
Hydraulic Jack with power pack	Enerpac, USA	100 Ton, 50 Ton, 25 Ton	6

HORIZONTAL PLATE BENDING MACHINE



Capacity: 1500 Tons, 85 mm thick (cold), 115 mm (hot), up to 3.2 M wide
Make: Schaefer, Germany

VERTICAL PLATE BENDING MACHINE



Capacity : 300 Tons, up to 32 mm thick, up to 3 M wide
Make Hugh Smith, UK

Hydraulic Shearing Machine



Capacity:
300 Tons, 20 mm thick
x 3 M wide

Make: Pearson, UK

Hydraulic Downstroke Press Brake



Capacity:
300 Tons, 20 mm
thick x 3 M wide

Make: Pearson, UK

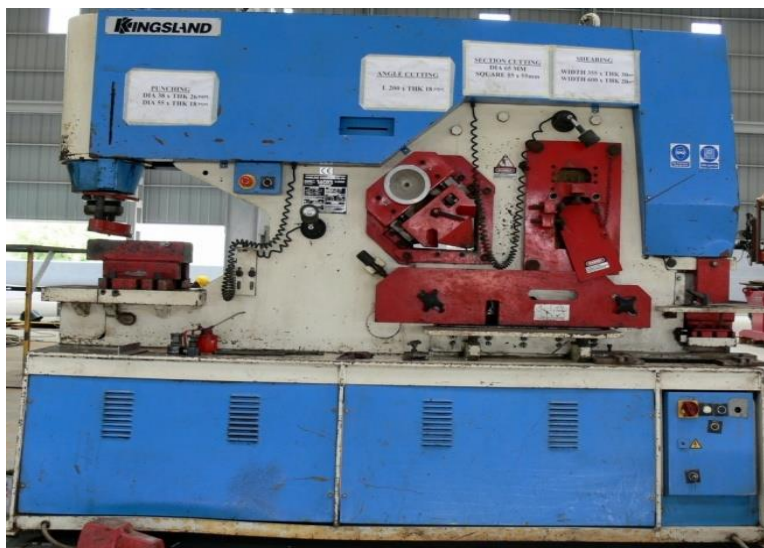
HORIZONTAL BORING MACHINE



Capacity:
X=2300
Y=1850
W=2000
Z=850 (all in mm)
130 mm spindle
18 KW Power
With DRO in all axes

Make:
Wotan B130S, Germany

Universal Steel Worker



Capacity:
160 Tons, 300 x 300 mm with
punching, slotting, slitting, notching
etc.

Make: Kingsland, UK

Radial Drill



Capacity:
2.3 M boom, 80 mm spindle

Make : MAS, Czech Republic

Automatic Horizontal Bandsaw



Capacity:
406 mm x 406 mm squares or 406
mm round

Make: Amada, Japan

CNC Horizontal Bandsaw



Capacity:
406 mm square or round
Make: Bigstone, Taiwan

Grit Blasting System



15 M(L) X 8(W) x 5M(H)
totally enclosed with grit
recovery and recycling
and dust collection
system

Make: Hedge Clemco, UK

Gap Bed Centre Lathe



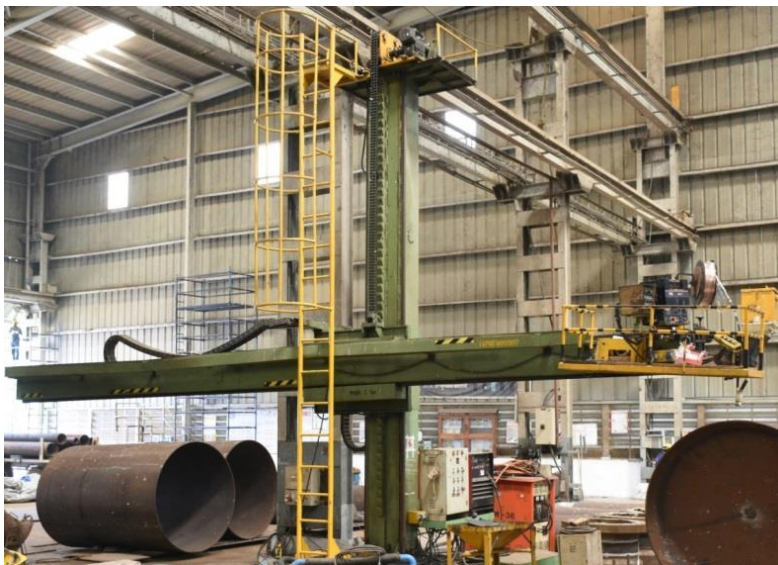
432 mm swing over bed x
216 mm height of centers x
2.032 M admit between
centers
Make: Colchester
Mascot1600, UK

Gap Bed Centre Lathe



533 mm swing over bed x
254 mm height of centers
x 1.524 M admit between
centers
Make: Harrison M500, UK

Submerged Arc Welding on Column & Boom



4M (V) x 7M (H), Make: Mogora India

Compressors



2 x 75 KW, 350 CFM @ 8 bar

Make: Elgi India

Wet Air Receiver, 5 CuM

Refrigerant Air Drier 500 CFM

Make: Puriflair India

Emergency Vehicle



First Aid Room



45KVA Emergency Diesel Generator



Electrical Panel Room



LIST OF MEASURING AND TESTING INSTRUMENTS

Description	Make	Size / Range
Vernier Caliper	Mitutoyo	0-300 mm, 0-1000 mm
Outside micrometer	Mitutoyo	0-25 mm
Internal Dial Caliper	Mitutoyo	10-35mm
Bore Gauge	Mitutoyo	18-35 mm & 35-60 mm
Thread Plug Gauge	Baker	M24-6H, 1 1/8" 12 UNF
Welding Gauge	Power Weld	0-20 mm
Electronic Total Work Station (Digital Theodolite)	Leica	1 sec LC, 5 sec accuracy
U Tube Manometer	Action	300 mm WC
UT Thickness Gauge	Abest	1.5 – 200 mm
	Edison	
Digital Clamp Meter	Extech	1000 AC/DC -20 to 270° C with IR thermometer
	Mastek	1000 AC/DC
Densitometer	Optel	0-4; with step wedge calibration film
Lux Meter	Lutron	0-50,000 Lux
Radiation Survey Meter	EECI	0.1 to 10 mR / hr
AC/DC Yoke Magnetic Particle Kit	SIMS	
MPI Prods Type Machine	EECI	2000 A with arc free prods
Residual Field Indicator (Gauss Meter)		0 - 10 G
Dye Penetrant Kit	Magnaflux	
Ultraviolet Light for Fluorescent MPI/DP	EECI	
Calibrated pressure gauges	H Guru,	Various ranges
Surface Profile Gauge	Mituotoyo	0-1000 Microns
Coating Thickness Gauge	Elcometer	0-1,500 Microns
	Yuyutsu	0-600 Microns

Description	Make	Size / Range
Wet Film Gauge	Elcometer	25-2,000 Microns
Whirling Hygrometer	Elcometer	-5-50° C
Dew point and relative Humidity calculator	Elcometer	
Coating Holiday Detector	Doktor	0 to 10 KV, DC Pulse type
Coating Adhesion Tester	Elcometer	Upto 500 Microns
Gas Detector for Ambient Oxygen	Honeywell	For confined space working
Dead Weight Tester	Systems Engineers	2 to 250 kg/cm ²
Portable Leeb Hardness Tester (Digital)	Samsonic	HRC: 19.8 ~ 68.5, HB: 30 ~ 655, HV: 80~976, HRB: 13.5 ~ 99.6, HSD: 26.4 ~ 99.5, Mpa: 375 ~ 2639

All instruments have valid calibration traceable to NABL standards.

Other Facilities:

- **Radiography Concrete Bunker** with DAE approval 6 M (L) x 6 M (W) x 6 M (H) with 500 mm thk concrete walls, 500 mm thk concrete sliding door and all protections with Atomic Energy Regulatory Board (AERB) approval
- **Radiography Pit Room** for Isotope Storage with Atomic Energy Regulatory Board (AERB) approval
- Radiography **Film Developing Room** (Wet Area)
- Radiography **Film Viewing Room** (Dry Area)

MANPOWER RESOURCES

Corporate, Finance & Admin

Manager	1
Accounts Officer	1
Administrator	1
Network Administrator	1

Business Development, Estimation & Proposals, Sales

Manager	1
Engineer / Officer	8

Design & Projects

Manager	2
Design Engineer	2
Draftsman	4
Project Engineer	4
Document Controller	1
Technical Assistant	1

Project Management

Manager	3
Asst Manager / Sr Engineer	2
Asst Engineer	2

Procurement

Manager	1
Assistant	3

Stores & Logistics

Manager	1
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Stores Executive	2
Stores Assistant	4
Stores Helper	7

Quality Control and Quality Assurance

Manager	1
Dy Manager/ Sr Engr / Engr	11
QC Technician	4
NDT Technician	3
BARC Licensed Radiographer	1

Occupational Health, Safety & Environment

Manager	1
Asst Manager	1
Officer / Jr Officer	2

Production

Manager	2
Production Engineer	5
Production Supervisor	4
Foreman / Chargehand	4
Fabricator / Fitter / Jr Fitter	26
Machinist / Turner	5
Welder – SAW	4
Welder – SMAW / GTAW / FCAW	20
IBR Certified Welder	3
Tack Welder	18
Lead Bonder	9
Machine Operator	6
Grinder	10
Rigger	11
Blaster / Painter	4

Trade Helper	65
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Trade Apprentice	8
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Maintenance

Manager	1
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Supervisor	1
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Mechanic	4
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Electrician	3
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These are men on our payroll + agency hire. Subcontractor manpower is in addition to this.

PROFILE OF KEY MANAGEMENT STAFF

Er. LEKSHMINARAYANAN S, Managing Director is 61 years old. He is a 1984 graduate Mechanical Engineer from College of Engineering, Trivandrum, India with 38+ years of industry experience in various areas such as power plant commissioning, quality system management, project management and business process re-engineering. He is a Member of ASME and a Corporate Fellow of the Institution of Engineers (India) and has served as the Honorary Secretary and Committee Member of its Qatar Chapter. He has worked in India, Malaysia and Qatar with companies such as Bharat Heavy Electricals Ltd. (BHEL), NKK Corporation, Foster Wheeler and Madina Group. As Contracts Manager, Operations Manager and eventually as the General Manager, he was instrumental in transforming Madina Group Qatar into a professionally managed corporate organization. Leks, as he is popularly known, is the Founder Promoter of BEV.



RISHI OBERAI, Director - Technical is 47 years old. He is a 1994 graduate Mechanical Engineer from Mysore University. He is an IRCA Certified ISO 9000 and OHSAS 18001 Lead Auditor, API 510 Certified Pressure Vessel Inspector, CSWIP 3.1 Welding Inspector, AWS Welding Inspector, Grade 2 BGAS Painting Inspector. He also holds ASNT Level III certification in RT, PT, and MT and ASNT Level II in UT and VT. He has 26 years' experience in manufacturing and construction industries related to oil and gas and petrochemical sector in the fields of design and engineering, quality control, welding engineering, quality assurance systems management etc. He is a Member of AWS and ASNT. He is in charge of design and engineering, project management and OHS&E functions in BEV.



R RAMACHANDRAN, Sr. Manager Estimation & Proposals, is 49 years old. He is a B.S in Engg Technology from BITS, Pilani. He has a rich experience spanning 30 years in heavy engineering manufacturing in quality control and quality assurance. He was Head of Quality in BEV from 2009 to 2015. After a brief gap, he returned to BEV to head the estimation and proposals function. He is a API 510 and NDE Level II in RT, PT, MT & UT.



VIJAY RADADIA, Manager Design & Engineering is 40 years old. He is a Graduate in Mechanical Engineering. He has 14+ years' experience in design & engineering of Pressure Vessels and Static Process Plant Equipment for Oil and Gas, Petrochemicals, Chemicals and Process industries. He has worked with Al Zamil Heavy Industries Limited, Saudi Arabia; Essar Heavy Engineering Services, India; L&T Heavy Engineering Division, India. He heads the design and engineering function and is based at the office in the city.



TEJAS GANATRA, Sr Manager Procurement is 42 years old. He is a Diploma in Mechanical Engineering PG Diploma in Business Administration. He has 22+ years' experience in Supply Chain Management function in various industries like Steel Manufacturing, Ship Building, Rig Repair, Infrastructure and Oil & Gas Sector. He has worked with Essar Steel (now known as Arcelor Mittal Nippon Steel), Welspun and Reliance Infrastructure.



DARPAN ACHARYA, Sr Manager Production is 38 Years old. He is a graduate in Fabrication Technology from Sir BPT Inst., Gujarat. He has 16+ years of experience in Production, Production Planning, Contracts & Vendor Management in heavy engineering industries like L & T HED, Essar Heavy Engineering Services, Inox Wind and TEMA India. In BEV, he heads the production function.



VIRAL LAD, Manager Production Planning is 34 years old. He is a Diploma in Mechanical Engineering. He has 13+ years of experience in production, production planning and subcontract management in heavy engineering industry with companies such as L&T HED, ISGEC, Essar Heavy Engg. Services and Neo Structo Construction. He has expertise in design of jigs and fixtures.



MANOJ C PAWAR, Manager Quality is 33 years old. He is a Graduate Mechanical Engineer from North Maharashtra University & M.Tech in QMS from BITS Pilani. He has 12 years of experience in Quality Control and Assurance function, welding function in particular. He has worked with Adani Power, Inox and Bureau Veritas. He has worked as Asst Manager QC with BEV earlier. He has rich experience in quality management in the heavy engineering manufacturing industry as well as power plant erection & overhauling. He is an IBR Competent Person, Saudi Aramco Approved Inspector. He has undergone PED & IMDG training. He is ASNT Level II qualified in RT, UT, MPI, PT and VT. He is well versed in PESO, PED, LEAN manufacturing and 5S Management.



VISHAL THAKKAR, Manager Projects is 33 years old. He is a 2010 Graduate Mechanical Engineer from Saurashtra University. He has 12 years of experience in the field of project planning, production planning, material planning and project realization in chemical and pharma industries involving static and rotary process equipment and skid mounted plants. He has extensive experience in scheduling using MS Project.



LAWRENCE PARMAR, Manager Projects is 32 years old. He is a 2009 Graduate Mechanical Engineer from MS University. He has 12 years of experience in the field of project management and project realization in manufacturing companies like L&T Heavy Engineering Division and GMM Pfaudler. He well versed in scheduling using MS Project and Primavera.



MAHENDRA PATEL, General Manager Finance and Administration is 59 years old. He is a M.Com from MS University and holds a Diploma in Taxation Practice. He has 34+ years' experience in accounts, taxation, commercial operations, human resources management and banking. He has extensive experience in statutory compliances and government liasoning.

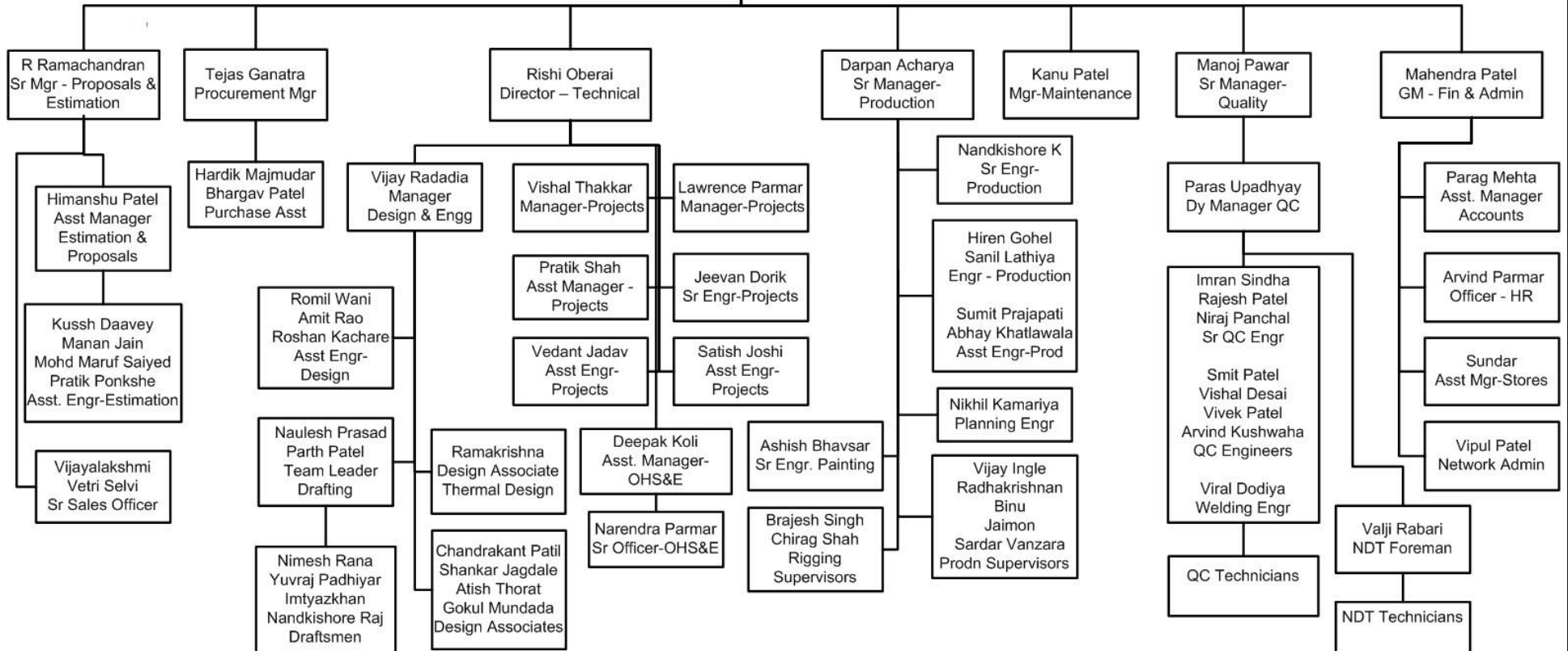


KANAIYALAL PATEL, Manager Maintenance is 36 years old. He is a 2011 Diploma in Electrical Engineering with 15+ years' experience in maintenance management of assets in factories and plants. Maintenance of CNC machines is his forte.



Organisation Chart

Lekshminarayanan S
Managing Director



List of Projects Completed and In Progress

Pressure Vessels

Job No	Description of Job	Qty	Client / Owner	Period	
				From	To
4057	Design, detailed engineering, procurement, fabrication, testing, ASME U stamping, painting / pickling and passivation and supply of Deaerator in SS304 and Feed Tank in SA 516 Gr 70 to ASME Sec VIII Div 1 for Methanol to Olefin Project	1 No	Enter Engineering Pte. Ltd./Jizzakh Petroleum JV, Uzbekistan	11-Jul-23	In Progress
4090	Design, detailed engineering, procurement, fabrication, testing, painting, CE Marking under PED 2014/68/EU Mod H1, ASME U Stamping and supply of 387 CuM Instrument Air Receiver to ASME Sec VIII Div 1 for Renewable Ammonia Import Terminal at Rotterdam Refinery	1 No	Air Products Nederlands / Gunvor Petroleum Rotterdam B.V.	18-Apr-23	In Progress
4024	Design, detailed engineering, procurement, fabrication, testing, ASME U Stamping, NB & CRN Registration and supply of 1 No of Funda Filter 20.0 SqM in accordance with ASME Sec VIII Div 1	1 No.	Steri Technologies, USA	9-Jan-23	In Progress
4040	Design, detailed engineering, procurement, manufacturing, testing and supply of 7 knock out drums / pressure vessels in CS and 1 Separator in SS316L including all internals to ASME Sec VIII Div 1	8 No. (65 MT)	Prodair Air Products / IOCL Barauni	21-Dec-22	In Progress
4006	Design, detailed engineering, procurement, fabrication, testing and supply of 4 Pulsation Dampeners in LTCS and 1 in SS316L, all in accordance with EN13445 with CE marking under PED 2014/68/EU Mod H1 for Green Hydrogen Project in Port Esbjerg, Denmark	5 No.	Howden Thomassen Compressors, Netherlands / European Energies, Denmark	5-Oct-22	31-Mar-23 Completed
3885	Design, detailed engineering, procurement, fabrication, testing, and supply of 20 Pulsation Dampeners and 20 Separators in accordance with ASME Sec VIII Div.1 with CE marking under PED 2014/68/EU Mod H1 for Green Hydrogen Project in Port Esbjerg, Denmark	40 No. (18 MT)	Howden Thomassen Compressors, Netherlands / European Energies, Denmark	27-Jul-22	3-May-23 Completed
3795	Design, detailed engineering, procurement, manufacturing, testing, Code Stamping to ASME Sec VIII Div 1, painting and supply of Second Stage HDS Finishing Reactor in Low Alloy Steel (SA387 Gr 11 Cl 2) clad with SS321	1 No.	Indian Oil Corp / Gujarat Refinery	10-Jun-22	In Progress

3561	Design, detailed engineering, procurement, fabrication, testing and supply of 6 Pulsation Dampeners and 3 Separators in accordance with ASME Sec VIII Div.1 for Propane Compressors for South Refinery Co., Basra, Iraq	9 No.	Howden Thomassen Compressors, Netherlands / Nur Engineering	9-May-22	6-Feb-23 Completed
3842	Design, detailed engineering, procurement, fabrication, testing and supply of 6 Pulsation Dampeners and 6 Separators in CS accordance with ASME Sec VIII Div.1 with CE marking under PED 2014/68/EU for the 5 MW Hydrogen Electrolyser and Filling plant, Pfeffenhausen, Germany of Hy2B Wasserstoff GmbH	12 No.	Howden Thomassen Compressors, Netherlands / Kraftanlagen Energies & Services	4-May-22	25-Jan-23 Completed
3723	Design, detailed engineering, procurement, fabrication and supply of 4 Pressure Vessels in SS304 to AD2000 Merkblatt for Oman Sugar Refinery Co.	4 No.	BMA, Germany	21-Apr-22	17-Nov-22 Completed
3808	Design, detailed engineering, procurement, fabrication, testing and supply of 6 Pulsation Dampeners in LTCS and 2 in SS316L, all in accordance with EN13445 with CE marking under PED 2014/68/EU Mod H1 for Anwil SA's Fertiliser Plant in Wloclawek, Poland through Prochem	8 No.	Howden Thomassen Compressors, Netherlands / Prochem / Anwil SA, Poland	16-Mar-22	22-Nov-22 Completed
3509	Supply of 8 Cold Boxes comprising of: 17 No. SS 304 Drums: Design, detailed engineering, procurement, manufacturing and Code Stamping to ASME Sec VIII Div 1	17 No.	Fives India Pvt Ltd / Fives Cryo, France / L&T Hydrocarbon Engg / HRRL Barmer	7-Dec-21	In Progress
3694	Design, detailed engineering, procurement, fabrication, testing, Code Stamping, painting and supply of 12 Pulsation Dampeners and 12 Coolers for Helium Compressors in accordance with ASME Sec VIII Div 1 for Air Liquide Far East, Taiwan	24 Nos. (2.8 MT)	Howden Thomassen Compressors, Netherlands	25-Oct-21	23-Mar-22 Completed
3664	Design, detailed engineering, procurement, fabrication, testing, CUTR certification and supply of Water Wash Tower, Water Chiller Tower and Liquid Disposal Vapouriser for 2000 TPD Oxygen Plant for Cherepovets Steel Mill of Severstal PAO in Vologda Region, Russia	3 No. (40 MT)	Air Liquide Severstal Russia	21-Mar-23 Revived	In progress
3628	Design, detailed engineering, procurement, fabrication, testing, ASME Code stamping and painting of 2 No. Pressure Swing Molecular Sieve Adsorber (PSA) Vessels in accordance with ASME Sec VIII Div. I and Shell DEP for Nigeria LNG Ltd, Bonny Island, Nigeria	2 No. (11.2 MT)	Air Products and Chemicals Inc., USA	30-Aug-21	31-Mar-22 Completed

3642	Design, detailed engineering, procurement, fabrication, testing, painting, CE marking and supply of 12 Pulsation Dampeners and 12 Suction Separators per ASME Sec VIII Div 1 for 20 MW PtX HySynergy Green Hydrogen Project of Everfuel at Shell Refinery, Fredericia, Denmark	24 No. (11.5 MT)	Howden Thomassen Compressors, Netherlands	4-Aug-21	9-Jan-22 Completed
3538	Design, detailed engineering, procurement, fabrication, testing and supply of 6 Waste Nitrogen Chiller Towers in accordance with ASME Sec VIII Div.1 for Inox at 6 locations in India	6 No. (50 MT)	Prodair Air Products	11-May-21	29-Dec-22 Completed
3448	Design, detailed engineering, procurement, fabrication, testing, Code stamping and supply of 2 no. Fabric Filters for Process Gas in accordance with ASME Sec VIII Div.1 for Nayara Energy Vadinar Refinery, India	2 no. (18 MT)	Luwa India Pvt Ltd	8-May-21	30-Sep-22 Completed
3529	Design, detailed engineering, procurement, fabrication, testing, painting and supply of 11 CS vessels (657 MT) and 8 SS304 (129 MT) vessels in accordance with ASME Sec VIII Div.1 for Dual Feed Cracker Block EPCC-07 Package of HPCL Rajasthan Refinery Ltd (HRRL), Barmer, India	19 No. (786 MT)	L&T Hydrocarbon Engineering Ltd.	20-Apr-21	In Progress
3516	Design, detailed engineering, procurement, fabrication, testing, painting, CE marking and supply of 2 TSA Molecular Sieve Adsorbers in accordance with ASME Sec VIII Div.1 for Sapio Group, Italy for their gas production plant	2 No. (15.5 MT)	Prodair Air Products	2-Apr-21	30-Nov-21 Completed
3335	Design, detailed engineering, procurement, fabrication, testing, painting, ASME U Stamping and supply of 36 pulsation dampeners and 12 Liquid Collection Pots in accordance with ASME Sec VIII Div.1 for Pemex, Dos Bocas, Mexico	48 No. (63.8 MT)	Howden Thomassen Compressors, Netherlands	24-Nov-20	26-Oct-21 Completed
3402	Design, detailed engineering, procurement, fabrication, testing, Code Stamping, painting and supply of 8 Pulsation Dampeners and 8 Coolers for Helium Compressors in accordance with ASME Sec VIII Div 1 for Air Liquide Far East, Taiwan	16 Nos.	Howden Thomassen Compressors, Netherlands	11-Sep-20	16-Jan-21 Completed
3348	Design, detailed engineering, procurement, fabrication, testing, painting and delivery of Purge Gas Drum to ASME Sec VIII Div 1 for 10 Bed PSA Project of HPCL Rajasthan Refinery Ltd. Barmer Refinery	1 No. (51.7 MT)	UOP India Pvt Ltd	22-Aug-20	30-Sep-21 Completed
3231	Design, detailed engineering, procurement, fabrication, testing, painting and supply of 8 Volume Bottles in accordance with ASME Sec VIII Div 1 for Gasoline Refinement Project of North Refineries Co., Baiji, Iraq	8 Nos.	Howden Thomassen Compressors, Netherlands	17-Apr-20	28-Dec-20 Completed
3287	Procurement and manufacturing of 12 Volume Bottles to ASME Sec VIII Div 1 for Midland Refinery Corp, Daura, Iraq	12 Nos.	Dresser-Rand India Ltd	2-Apr-20	6-Feb-21 Completed

3240	Design, detailed engineering, procurement, fabrication, testing, painting and supply of 24 Volume Bottles and 12 Liquid Collecting Pots in accordance with ASME Sec VIII Div 1 and GOST-R with CUTR 032/2013 certification for Transfer and Fractionation of Stable Gas Condensate Project of Novatek LLC at Ust-Luga Commercial Seaport, Russia	36 Nos.	Howden Thomassen Compressors, Netherlands	7-Feb-20	28-Nov-20 Completed
3154	Design, detailed engineering, procurement, manufacturing, testing, certification to PED 2014/68/EU (CE marking under Module H1) and delivery of 6 no. Molecular Sieve Adsorbers (TSA) in accordance with EN13445 for N.V. Nederlandse Gasunie's Nitrogen Plant at Zuidbroek, Netherlands.	6 Nos.	Air Products, Netherlands	29-Jul-19	20-Mar-21 Completed
3103	Design, detailed engineering, procurement, fabrication and DOSH Malaysia conformity certification of 7 no. pressure vessels in CS, SA 387 Class 11 and SS 304 in accordance with ASME Sec VIII Div 1 for H2 Plant at Hengyuan Refining Company Berhad, Port Dickson, Malaysia	7 Nos.	Linde India	22-May-19	5-Mar-20 Completed
2861	Design, detail engineering, procurement, fabrication, testing, painting, ASME 'U' stamping of GOX Buffer Vessel in accordance with ASME Sec VIII Div 1 for Sunflag Iron & Steel Company, Maharashtra, India	1 No.	Prodair Air Products India Pvt. Ltd.	30-Nov-18	28-Jun-19 Completed
2802	Design, detail engineering, procurement, fabrication, testing, painting and delivery of 2 Nos. of Knockout Drums in accordance with ASME Sec VIII Div 1 for BS VI & CRU Project at IOCL, Guwahati Refinery.	2 Nos.	Indian Oil Corporation	01-Aug-18	12-Oct-19 Completed
2780	Procurement, fabrication, NDE testing and painting of 3 Nos. Vapour Chests and 7 Nos. Strike Receivers in accordance with ASME Sec VIII Div. 1 and Sound Engineering Practice for Biomass Industries Associates (BIA), Tunisia	10 Nos.	BMA AG, Germany	01-Jun-18	25-Sep-19 Completed
2772	Design, detail engineering, procurement, fabrication, testing, painting, Code stamping, NB registration, and Design registration with ABSA and CRN number for 4 Nos. Adsorber Vessels (PSA) and 1 No. Tail Gas Drum in accordance with ASME Sec VIII Div. 1 for H2 PSA Plant in Redwater, Canada	5 Nos.	Linde AG, Germany	18-May-18	10-Mar-19 Completed
2800	Design, detail engineering, procurement, fabrication, testing, and painting of 6 Nos. of Adsorber Vessels in accordance with ASME Sec VIII Div. 1 for BS VI Project- IOCL, Mathura Refinery's 6 Bed Polybed PSA unit	6 Nos.	UOP India Pvt. Ltd.	17-Apr-18	19-Dec-18 Completed
2793	Design, detail engineering, procurement, fabrication, testing, painting and supply with ASME U stamp certification of 8 nos. pressure vessels in accordance with ASME Sec VIII Div. I for BPCL-Kochi's Syngas Coldbox project.	8 Nos.	Prodair Air Products India Pvt. Ltd.	5-Apr-18	29-Apr-19 Completed
2786	Design, detail engineering, procurement, fabrication, testing and supply of 2 nos. of heater shells in accordance with ASME Sec VIII Div. 1 for BHP Billiton's Kwinana Nickel Refinery, Australia	2 Nos.	Access Petrotec Pty. Ltd., Australia	7-Mar-18	11-Aug-18 Completed

2749	Design, detail engineering, procurement, fabrication, testing, pickling & passivation and supply of UNS S32205/SA 240 Gr 304L Drier in accordance with ASME Section VIII Division 1 and CUTR 032/2013 and GOST for 200 TPD Biodiesel Delfin Glycerin Distillation plant in Pobedy St., Sofrino Skyregion, Moscow, Russia for Delfin Group.	1 No.	Air Liquide Global E&C Solutions India Pvt. Ltd.	12-Jan-18	08-Aug-18 Completed
2703	Design, detail engineering, procurement, fabrication, testing, pickling & passivation and supply of UNS S32205/SA 240Gr 304L Glycerin Distillation Column in accordance with ASME Section VIII Div 1 and CUTR 032/2013 and GOST for 200 TPD Biodiesel Delfin Glycerin Distillation plant in Pobedy St., Sofrino Skyregion, Moscow, Russia for Delfin Group.	1 No.	Air Liquide Global E&C Solutions India Pvt. Ltd.	21-Nov-17	11-Aug-18 Completed
2385	Design Appraisal, preparation of drawings, procurement of materials, fabrication, testing, and Code Stamping (Partial 'S' stamp) of 4 Nos. Water Wall Panels, 1 No. Mud Drum, 1 No. Steam Boiler Drum in accordance with ASME Sec 1	2 Nos.	Turboflow Sociedad Anonima, Uruguay	16-Oct-17	22-May-18 Completed
2672	Design, detailed engineering, procurement, fabrication, testing, and painting of PSA Surge Tank in accordance with ASME Sec VIII Div. 1 Ed 2015, UOP & EIL specifications for HGU BS VI Project- IOCL, Gujarat Refinery	1 No.	UOP India Pvt. Ltd.	28-Sep-17	19-Jun-18 Completed
2364	Design, detailed engineering, procurement, fabrication, testing, 'U' stamping and delivery of 2 Nos. Chlorine Tanks in accordance with ASME Sec VIII Div. 1	2 Nos.	CIR Sociedad Anonima, Uruguay	30-Aug-17	11-Dec-17 Completed
2549	Procurement, fabrication, NDE testing and painting of 3 Nos. Falling Film Evaporators in accordance with Sound Engineering Practice per PED 2014/68/EU for Alreef Sugar Refinery-Jizan, Saudi Arabia	3 Nos.	BMA AG, Germany	14-Aug-17	19-Sep-18 Completed
2554	Procurement, fabrication, testing and painting of 10 Nos. Dampeners & 2 Nos. Condensate Bottles in accordance with ASME Sec VIII Div.1/ TEMA Class C and LR Rules and Regulations for Classification of Ships for Liquid Gas Equipment Limited, Edinburgh.	12 Nos.	Burckhardt Compression (India) Pvt. Ltd.	3-Aug-17	30-Dec-17 Completed
2666	Design, detailed engineering, procurement, fabrication, testing, painting with U Stamp certification and NB Registration for Nitrogen Receiver in accordance with ASME Sec VIII Div. 1 for Jordan Bromine Company, TBBPA Debottlenecking project, Jordan.	1 No.	Albemarle Corporation	25-Jul-17	22-Jan-18 Completed
2640	Design, detailed engineering, procurement, fabrication, testing, pickling & passivation, painting, CE marking and supply of 4 Nos. Volume Bottles, 4 Nos. Pulsation Dampeners and 2 Nos. Liquid Collection Pots in accordance with PED 2014/68/EU, ASME Sec VIII Div. 1 for Enagas, Barcelona, Spain.	10 Nos.	Howden Thomassen Compressors BV, Netherlands	24-Jul-17	28-Mar-18 Completed

2538	Design, detailed engineering, procurement, fabrication, testing, painting with U Stamp certification and NB Registration for 5 Nos. SS Columns and 1 No. Hopper Vessel in accordance with ASME Sec VIII Div. 1 for Jordan Bromine Company, TBBPA Debottlenecking Project, Jordan	6 Nos.	Albemarle Corp, USA	11-Apr-17	13-Apr-18 Completed
2508	Design, detailed engineering, procurement, fabrication, inspection and testing, painting and delivery of 1 No. Nitrogen Receiver in accordance with AS 1210:2010	1 No	Access Petrotec Pty. Ltd., Australia	15-Feb-17	29-Jun-17 Completed
2493	Design, detailed engineering, procurement, fabrication, testing, internals and delivery of UNS S32205/SS304L Distillation column for 12075-Adani-100 TPD Biodiesel Crude Glycerin Distillation plant	1 No	Air Liquide Global E&C Solutions India Pvt. Ltd.	18-Jan-17	30-Sep-17 Completed
2490	Design, detailed engineering, procurement, fabrication, testing, Code stamping, painting and delivery of 4 Nos Volume Bottles and 2 Nos Pulsation Dampeners to ASME Sec VIII Div 1 for Propylene Compressors for Paz Ashdod Refinery, Israel	6 Nos	Howden Thomassen Compressors BV, Netherlands	5-Jan-17	9-Sep-17 Completed
2395	Design, detailed engineering, procurement, manufacturing, testing and delivery of Sulphur Locks, Anti foam Pots, Sulphur Pit Steam Coil and Bubble Column in accordance with ASME Sec VIII Div.1 for Fluor-Daewoo-Hyundai JV for Desulphurization Project of Kuwait National Petroleum Company, Kuwait	36 No	Access Petrotec, Australia	7-Dec-16	2-Jan-18 Completed
2461	Supply of nozzles for modification in existing pressure vessels in DHDS Unit under BS IV Project of Gujarat Refinery	5 No.	Indian Oil Corp Ltd.	29-Nov-16	16-May-17 Completed
2422	Detailed engineering, procurement, fabrication, testing and painting of CS Pressure Vessels in accordance with ASME Sec VIII Div. 1 for Modification of ONGC, Hazira Plant under Daman Development Project	6 No	Engineers India Ltd.	07-Nov-16	31-Jul-17 Completed
2448	Design, detailed engineering, procurement, manufacturing, testing and pickling & passivation of Nickel Reduction Autoclave to AS1210 for BHP Billiton in Australia	1 No.	Access Petrotec Pty Ltd	09-Sep-16	31-May-17 Completed
2061	Procurement, fabrication, testing and supply of 2 Nickel Reduction Autoclaves of 38 CuM size in Duplex SS (UNS 31803) in accordance with AS 1210: 2010 for BHP Billiton's Kwinana Nickel Refinery, Australia	1 No.	Access Petrotec, Australia	09-Sep-16	16-Feb-17 Completed
2363	Design, detailed engineering, procurement, fabrication, testing, pickling & passivation of SS Reactor in accordance with ASME Sec VIII Div. 1 & IBR	1 No.	Carborundum Universal Limited, India	10-May-16	31-Mar-17 Completed
2193	Design, detail engineering, procurement, fabrication, testing and painting of Pressurizer Tanks in accordance with ASME Sec VIII Div. 1, PED 2014/68/EU for ITER-France CWS Project	7 Nos	L & T Construction / ITER – India	19-Nov-15	12-Jul-18 Completed

2253	Design, detailed engineering, procurement, fabrication, testing, painting and delivery of 18 Nos Pulsation Dampeners and 6 Nos Liquid Collection Pots to ASME Sec VIII Div 1 with CUTR 032/2013 certification for the Hydrocracker Complex Project being built by CB&I through project developer Maveg GmbH at Afipsky Oil Refinery in Krasnodar, Russia	24 Nos	Howden Thomassen Compressors BV, Netherlands	20-Oct-15	28-Sep-16 Completed
2247	Design, detailed engineering, procurement, manufacturing, testing and painting of heater shells for Reactivation Heater and Deriming Heater 1 each to ASME Sec VIII Div 1 for Sasol's 5000 TPD ASU project (17 th Train) in Secunda, South Africa by Air Liquide	2 Nos	Sandvik Asia Pvt Ltd	5-Oct-15	10-Mar-16 Completed
2164	Design, detailed engineering, procurement, fabrication, testing, painting, certification and delivery of Reactor in accordance with ASME Sec VIII Div. 1 for Pasadena plant of Albemarle Corporation, USA.	1 No.	Albemarle Corporation, USA	1-Sep-15	25-Feb-17 Completed
2091	Design, detailed engineering, procurement, manufacturing, testing and painting of 16 Nos. of CS Pressure Vessels to ASME Sec VIII Div 1 for Honeywell Apollo 2 Project, Geismar, LA	16 Nos	Access Petrotec Pty Ltd	7-Jan-15	30-Sep-15 Completed
2010	Design, detailed engineering, procurement, manufacturing, testing, U stamping and painting of 2 No. Temperature Swing Adsorber Vessels in accordance with ASME Sec VIII Div 1 for ASU Project of Bharat Petroleum Corporation Ltd., Kochi, India	2 Nos	Prodair Air Products India Pvt. Ltd.	18-Jul-14	27-Mar-15 Completed
2041	Design, detailed engineering, procurement, manufacturing, testing and painting of heater shells for Reactivation Heater and Deriming Heater 1 each in accordance with ASME Sec VIII Div 1 for Gasal RLW 8-1 Project, Qatar for Air Liquide / Cryogen Lurgi Zimmer	2 Nos	Sandvik Asia Pvt Ltd	5-Jun-14	21-Aug-14 Completed
1929/ 2068	Design, detailed engineering, procurement, manufacturing, testing, painting and delivery of 8 No. Volume Bottles and 4 No. Liquid Collection Pots in accordance with ASME Sec VIII Div 1 for J3 Program of Reliance Industries Ltd., Jamnagar, India	12 Nos	Howden Thomassen Compressors India Pvt. Ltd.	2-May-14	31-Mar-15 Completed
2016	Design, detailed engineering, procurement, manufacturing, testing, U stamping and delivery of 5 No. Nitrogen Heater Shell in accordance with ASME Sec VIII Div 1 for J3 Program of Reliance Industries Ltd., Jamnagar, India	5 Nos	Sandvik Asia Pvt Ltd	16-Apr-14	27-Jan-15 Completed
2014	Procurement of materials, fabrication, testing ,painting and delivery of 2 Sets of Incinerator shells in accordance with ASME Sec VIII Div 1 for Sulphur Recovery Package of Linde for Reliance Industries Ltd., Jamnagar, India	2 Sets	Thermax Limited	8-Apr-14	31-Dec-14 Completed

2008	Design, detailed engineering, procurement, manufacturing, testing, U stamping and delivery of 5 No. Electrical Heater Shell in accordance with ASME Sec VIII Div 1 for Carbon Back & Delayed Coker Project by International Bechtel Co. Ltd. for Abu Dhabi Oil Refining Company (Takreer), Abu Dhabi	5 Nos	Sandvik Asia Pvt Ltd	2-Apr-14	12-Sep-14 Completed
1979	Design, detailed engineering, procurement, manufacturing, testing and delivery of 8 No. Pulsation Dampeners in accordance with ASME Sec VIII Div 1 and GOST-R for Salavatnefteorgsintez Petrochemical Plant, Salavat, Russia	8 Nos	Howden BC Compressors, France	11-Feb-14	28-Aug-14 Completed
1832	Design, detailed engineering, procurement, fabrication, testing, internals and delivery of SS 316L columns for 45 MTPD Nylon-6 Plant-2 Project	7 Nos	Gujarat State Fertilizers and Chemicals Ltd.	25-Sep-13	05-Dec-14 Completed
1903	Design, detailed engineering, procurement, manufacturing, testing and delivery of 6 no. Pulsation Dampeners and 2 no. Moisture Separators in accordance with ASME Sec VIII Div 1 and GOST-R for Salavatnefteorgsintez Petrochemical Plant, Salavat, Russia	8 Nos	Howden BC Compressors, France	24-Dec-13	31-May-14 Completed
1940	Design, detailed engineering, procurement, fabrication, testing and 'U' Stamping and delivery of 6 off Pressure Swing Adsorbers and 1 off Vent Gas Buffer in accordance with ASME Sec VIII Div. 1 for Calumet Montana Refining LLC, Great Falls, Montana, USA	7 No. (95 Tonnes)	Linde AG, Germany	18-Dec-13	20-Jan-15 Completed
1856	Design, detailed engineering, procurement, manufacturing, testing and delivery of 19 no. Pulsation Dampeners and 3 no. Moisture Separators in accordance with ASME Sec VIII Div 1 and GOST-R for Kirishi Refinery of Kirishinefteorgsintez LLC, Russia	21 Nos	Howden BC Compressors, France	06-Dec-13	12-Aug-14 Completed
1882	Design, detailed engineering, procurement, manufacturing, testing and delivery of 6 no. Volume Bottles and 4no. Purge Pots to ASME Sec VIII Div 1 and GOST-R for Glencore Project, Russia	10 Nos	Howden BC Compressors, France	2-Dec-13	8-May-14 Completed
1851	Design, detailed engineering, procurement, fabrication, testing, 'U' stamping and delivery of 1 Nos of 5 CuM Air Receiver to ASME Sec VIII Div 1.	1 No.	Procter & Gamble Home Products Limited	28-Nov-13	18-Apr-14 Completed
1918	Design, detailed engineering, procurement, manufacturing, testing, certification to DOSH Malaysia and delivery of 2 No. Defrost Gas Heater in accordance with ASME Sec VIII Div 1 for JGC Corp for Petronas LNG Train 9 Project, Bintulu, Sarawak, Malaysia	2 Nos	Sandvik Asia Pvt Ltd	26-Nov-13	22-Mar-14 Completed
1877	Design, detailed engineering, procurement, fabrication, testing and delivery of SS 316L Distillation Columns to ASME Sec VIII Div 1 for FMP Plant at Dahej.	3 No.	SRF Ltd.	20-Sep-13	9-Feb-14 Completed
1848	Detailed engineering, procurement, fabrication, testing, internals and delivery of SS304H Catalyst Reduction Reactor (hydrogen service) in accordance with ASME Sec VIII Div.1	1 No.	Sud-Chemie India Pvt. Ltd.	12-Sep-13	08-Jan-14 Completed

1875	Detailed engineering, procurement, fabrication, testing and delivery of HOG Dump Tank for FMP-2 & P2 Plant	1 No.	SRF Ltd.	10-Sep-13	24-Dec-13 Completed
1727	Design, detailed engineering, procurement , fabrication, testing and 'U' Stamping and delivery of 2 off Molecular Sieve Adsorbers (Temperature Swing Adsorber Vessels) in accordance with ASME Sec VIII Div. 1. For Rabigh Phase II Petrochemical Project for Aramco Overseas Co. BV and Sumitomo Chemical Co.	2 Nos	Air Products PLC, UK/ Petrofac Saudi Arabia	15-Aug-13	24-Apr-15 Completed
1606	Design, detailed engineering, procurement, fabrication, testing, ASME U Stamping and delivery of UN T21 Portable Tanks in accordance with ASME Sec VIII Div. 1.	4 Nos	Albemarle Corporation, USA	12-Aug-13	16-Apr-14 Completed
1788	Design, detailed engineering, procurement, fabrication, testing , 'U' stamping and delivery of 2 Nos of 5 CuM & 5 Nos of 10 CuM Air Receivers in accordance with ASME Sec VIII Div 1.	7 Nos	Procter & Gamble Home Products Limited	7-May-13	31-Aug-13 Completed
1730	Design, detailed engineering, procurement, fabrication, testing, 'U' stamping and delivery of 3 CuM, Air Receiver in accordance with ASME Sec VIII Div 1.	1 No.	Gillette India Limited	10-Apr-13	29-Jul-13 Completed
1745	Design, detailed engineering, procurement, fabrication, testing and delivery of Pressure Vessels in accordance with ASME Sec VIII Div 1 for P1 Project at Dahej.	3 Nos	SRF Ltd.	21-Mar-13	7-Oct-13 Completed
1692	Design, detailed engineering, procurement, fabrication, testing and delivery of Volume Bottles to ASME Sec VIII Div 1 with GOST-R Certification for Rosneft-Komsomolsk C Project, Russia.	8 Nos	Howden Thomassen Compressors BV, Netherlands	20-Mar-13	21-Jan-14 Completed
1749	Design, detailed engineering, procurement, fabrication, testing, 'U' stamping and delivery of 5 CuM, SS 304 Air Receiver.	1 No.	Procter & Gamble Home Products Limited	14-Mar-13	29-Jul-13 Completed
1757	Design, detailed engineering, procurement, manufacturing, testing, 'U' Stamping, Certification to PED 97/23/EC (CE marking under Module H1) and delivery of 1 No. Reactivation Heater Containment Vessel in accordance with ASME Sec VIII Div 1 for Air Products, Tees Valley Project	1 No.	Sandvik Asia Pvt Ltd	22-Feb-13	27-Jun-13 Completed
1751	Detailed engineering, procurement, fabrication, testing and delivery of CS Column (Lethal Service) in accordance with ASME Sec VIII Div 1 for P1 Project at Dahej, Gujarat.	1 No.	SRF Ltd.	13-Feb-13	25-Nov-13 Completed
1726	Detailed engineering, procurement, fabrication, testing and delivery of CS Columns in accordance with ASME Sec VIII Div 1 for P1 Project at Dahej.	6 Nos	SRF Ltd.	10-Jan-13	28-Jun-13 Completed
1693	Design, detailed engg, procurement, manufacturing, testing, 'U' Stamping and delivery of 1 No. Regeneration Heater Containment Vessel in accordance with ASME Sec VIII Div 1 for Air Products, FQM Zambia Project.	1 No.	Sandvik Asia Pvt Ltd	24-Oct-12	26-Mar-13 Completed

1605	Design, detailed engineering, procurement, manufacturing, testing, 'U' Stamping, certification to PED 97/23/EC (CE marking under Module H1) and delivery of 1 no. Reactivation Heater vessel in accordance with ASME Sec VIII Div 1 for NAM, Netherlands	1 No.	Air Products, Netherlands	5-Apr-12	13-Oct-12 Completed
1559	Design, detailed engineering, procurement, manufacturing, testing, 'U' Stamping, certification to PED 97/23/EC (CE marking under Module H1) and delivery of 1 no. Reactivation Heater vessel in accordance with ASME Sec VIII Div 1 for Teplitz, Czech Republic	1 No.	Air Products, Czech Republic	4-Apr-12	27-Sep-12 Completed
1656	Design, detailed engineering, procurement, fabrication, testing, 'U' stamping and delivery of Chlorine Tanks Pressure in accordance with ASME Sec VIII Div. 1	3 Nos	CIR Sociedad Anonima, Uruguay	06-Jul-12	31-Oct-12 Completed
1655	Design, procurement, manufacturing, testing, 'U' Stamping in accordance with ASME Sec VIII Div 1 and delivery of 1 No. After Cooler, 2 Nos Adsorber Vessels and 1 No. Chilled Water tower to a total weight of 236 Tons. for Kansanshi Copper Smelter ASU, Zambia.	4 Nos	Air Products plc, UK	23-Aug-12	11-May-13 Completed
1503	Design, detailed engineering, procurement, fabrication, testing, 'U' Stamping, Certification and painting of C1980 Portable Tanks in accordance with ASME Sec VIII Div 1, IMDG/ADR/US DOT/RID/UNT 21/UN3394/TC/TIR	10 Nos	Gulbrandsen Chemicals	12-Jan-12	31-Dec-12 Completed
1554	Design, detailed engg, procurement, fabrication, testing, 'U' Stamping and delivery of 3 CuM Air Receiver in accordance with ASME Sec VIII Div 1	1 No.	Procter and Gamble, India	4-Jan-12	07-May-12 Completed
1539	Design, detailed engineering, procurement, fabrication, testing, 'U' stamping and delivery of 5 Nos Pressure Vessels in accordance with ASME Sec VIII Div. 1 for Montes del Plata Paper Mill Project of Celulosa Y Energia Punta Pereira SA, Uruguay	5 Nos	CIR Sociedad Anonima, Uruguay	26-Dec-11	16-May-12 Completed
1550	Design, detailed engineering, procurement, testing, 'U' Stamping and delivery of 6 No. Volume Bottles to ASME Sec VIII Div 1 for Formosa Petrochemical Corp., Taiwan	6 Nos	Howden BC Compressors, France / Fu Tai Engg. Co. Ltd.	16-Dec-11	04-Jul-12 Completed
1527	Design, procurement, manufacturing, testing, 'U' Stamping, certification to PED 97/23/EC (CE marking under Module H1) and delivery of 2 no. Molecular Sieve Adsorbers in accordance with ASME Sec VIII Div 1 for Prism ON300 Plant, AGC Glass Europe Teplitz, Czech Republic	2 Nos	Air Products, UK	9-Dec-11	24-Jul-12 Completed
1464	Design, procurement, manufacturing, testing, 'U' Stamping and delivery DDU-France of 6 no. Volume Bottles in accordance with ASME Sec VIII Div 1 for Al Yer Hydrogen Plant, Yanbu, Saudi Arabia	6 Nos	Howden BC Compressors, France / Lurgi / Air Liquide / SABIC	9-Dec-11	04-Jul-12 Completed

1530	Design, procurement, manufacturing, testing, 'U' Stamping, certification to PED 97/23/EC (CE marking) and delivery DDU-France of 3 no. Volume Bottles in accordance with ASME Sec VIII Div 1 for Ibn Rushid PTA and Aromatics Project of Arabian Industrial Fibers Co. Ltd., Saudi Arabia	3 Nos	Howden BC Compressors, France / Bechtel Ltd.	1-Dec-11	03-May-12 Completed
1542	Design, detailed engineering, procurement, fabrication, testing and delivery of 2 CuM Nitrogen Storage Vessel in accordance with ASME Sec VIII Div 1 with PED certification for Singapore	1 No.	ALD Dynatech Furnaces / General Electric Corp., Singapore	16-Nov-11	03-Mar-12 Completed
1520	Design, procurement, manufacturing, testing, 'U' Stamping and delivery DDU-France of 4 no. Volume Bottles in accordance with ASME Sec VIII Div 1 for 6000 Tons Polysilicon Plant, Zhang Bin Industrial Park of Powertec Energy Corp, Taiwan	4 Nos	Howden BC Compressors, France / CTCI Corporation, Taiwan	16-Nov-11	20-Apr-12 Completed
1501	Design, detailed engineering, procurement, fabrication, testing and delivery of 40 KL DEAC Storage Tank in accordance with ASME Sec VIII Div 1 for 20 TEAI Derivatives Project	1 No.	Gulbrandsen Chemicals	15-Nov-11	31-Mar-12 Completed
1529	Procurement, manufacturing, testing and delivery of Pressure Vessel for DFHP200M Furnace	1 No.	ALD Dynatech Furnaces / General Electric Corp., Singapore	15-Nov-11	23-Feb-12 Completed
1432	Design, detailed engineering, procurement, testing, 'U' Stamping and delivery of Volume Bottles and Pulsation Dampeners in accordance with ASME Sec VIII Div 1 for LDPE Project, Ruwais of Abu Dhabi Polymers Co. Ltd. (Borouge)	8 Nos	Howden BC Compressors, France / Samsung Engg – Tecnimont SpA JV	27-Sep-11	23-Mar-12 Completed
1448	Design, detailed engineering, procurement, testing and delivery of Volume Bottles in accordance with ASME Sec VIII Div 1 for EIL – Brahmaputra Cracker & Polymer Ltd. Petrochemical Complex Project	5 Nos	Howden BC Compressors, France	8-Aug-11	16-Dec-11 Completed
1462	Detailed engineering, procurement, fabrication, testing and delivery of SS Column (T-1805) in accordance with ASME Sec VIII Div 1 for FMP Plant	1 No.	SRF Ltd.	3-Aug-11	9-Nov-11 Completed
1413	Design, detailed engineering, procurement, fabrication, testing, 'U' stamping and delivery of 10 Nos Chlorine Tanks in accordance with ASME Sec VIII Div. 1	10 Nos (135 MT)	CIR Sociedad Anonima, Uruguay	22-Jun-11	19-Nov-11 Completed
1409	Detailed engineering, procurement, fabrication, testing and delivery of CS Continuous / Batch Distillation Hexa Column (T-11491) in accordance with ASME Sec VIII Div 1 for FMP Plant	1 No.	SRF Ltd.	10-Jun-11	7-Dec-11 Completed

1386/ 1442/ 1443	Detailed engineering, procurement, fabrication, testing and delivery of CS / SS316L Continuous / Batch Distillation Columns to ASME Sec VIII Div 1 for FMP Plant	3 Nos	SRF Ltd.	23-May-11	7-Dec-11 Completed
1371	Detailed engineering, procurement, fabrication, testing and delivery of SS316L Continuous / Batch Distillation Columns to ASME Sec VIII Div 1 for FMP Plant	6 Nos	SRF Ltd.	18-May-11	23-Nov-11 Completed
1238	Manufacturing and supply of DI Acid Mixing Tee (SS304) and Dilute Caustic Mixing Tee (CS) for TDI-Dahej Project	2 Nos	GNFC	14-Apr-11	18-Aug-11 Completed
1313	Design, detailed engineering, procurement, fabrication, testing, 'U' stamping and painting of 5 CuM Air Receivers in accordance with ASME Sec VIII Div. 1	2 Nos	Powertech Energy Corp/ Procter & Gamble	3-Mar-11	4-Aug-11 Completed
1317	Procurement, fabrication, assembly and testing of Single Chamber Vacuum Furnace Monotherm 669, 10 Bar to AD 2000 Merkblatt with certification under PED/97/23/EC Module G with CE Marking	1 No.	Dynatech Furnaces / ALD Vacuum Technologies	3-Feb-11	26-Jul-11 Completed
1298	Fabrication, testing and delivery of 12 No. HP Heater Shells No. 6, 7 and 8 for 3 x 600 MW Koradi TPS Unit 8 & 9 with IBR Stamp	12 Nos	L&T Heavy Engineering / Mahagenco	24-Dec-10	06-Oct-12 Completed
1126	Procurement, Fabrication, Testing and supply of Vacuum Distillation Top Retorts SS310S, 1540 (D) x 2955 mm (L) x 20 mm (T) for Zirconia Sponge Reactor in accordance with ASME Sec VIII Div 1	5 Nos	Department of Atomic Energy, Nuclear Fuel Complex, Hyderabad	20-May-10	30-Mar-11 Completed
1127	Design, detailed engineering, procurement, fabrication, testing, 'U' stamping and painting of 4 Nos 4000 lit Air Receivers in accordance with ASME Sec VIII Div. 1	4 Nos	Rolls Royce Power Eng INC, UK / OMV Exploration GmbH	20-Apr-10	15-Oct-10 Completed
1142	Design, detailed engineering, procurement, fabrication, testing, 'U' stamping, and painting of 2 Nos Tower Assembly in accordance with ASME Sec VIII Div. 1	2 Nos	Trident Pneumatics Pvt Ltd / ONGC-Sagar Gaurav	24-Dec-09	07-Mar-10 Completed
1068	Procurement, Fabrication, Testing and supply of SS310S 1400 mm dia x 1750 Shell Bottom Section for Reduction Retort for Zirconia Sponge Reactor in accordance with ASME Sec VIII Div. 1	1 No.	Department of Atomic Energy, Nuclear Fuel Complex, Hyderabad	14-Nov-09	11-Dec-10 Completed
1008	Design, detailed engineering, procurement, fabrication, testing, of Air Receiver, 10 CuM and 15 CuM to ASME Section VIII Div I for 500MW Korba West TPP	4 Nos	BHEL, Ranipet	05-Nov09	26-May-10 Completed

1045	Procurement, Fabrication & Testing of 2 No Fluidised Bed Coolers each comprising 4.6M(Ø) x 5.6 M(H) CS Shell and 4 No SS304 tube bundles of 5.5MT each	2 Nos (88 MT)	FLSmidth Pvt. Ltd. / Utkal Alumina	03-Jul-09	07-Mar-10 Completed
1039	Design, detailed engineering, procurement, fabrication, testing, 'U' stamping, rubber lining and painting of 2 Nos Multi Cartridge Filters in accordance with ASME Sec VIII Div. 1	2 Nos	Filter Concept Inc/Siemens Pte Ltd / Tullow Ghana Ltd	18-May-09	10-Sep-09 Completed

Heat Exchangers

Job No	Description of Job	Qty	Client / Owner	Period	
				From	To
3994	Detailed engineering, procurement, fabrication, testing, painting and delivery of 1 no. Caustic Cleaning Heater for Alcoa's Pinjarra Refinery, Oakley, WA, Australia	1 No.	Access Petrotec Pty. Ltd., Australia	9-Feb-23	In Progress
3880	Design, detailed engineering, procurement, fabrication, testing, painting and delivery of shell & tube heat exchangers, 2 in LAS (SA387 Gr 11 Cl 2) and 5 in CS in accordance with ASME Sec VIII Div.1 and TEMA 'R' for the 330 TPD Methyl Ester Hydrogenation Plant of Oleo Chemicals Project for PT Wilmar Nabati, Gresik, Indonesia	7 No. (20 MT)	Air Liquide / JJ Lurgi Engg Sdn Bhd Malaysia	2-Jun-22	20-Apr-23 Completed
3683	Design, detailed engineering, procurement, fabrication, testing, painting and delivery of 10 nos. Steam Coil Air Preheaters to ASME Sec VIII Div. 1 for NTPC Vindhyachal	10 No.	BHEL, Ranipet	11-Nov-21	3-May-22 Completed
3611	Procurement, fabrication, testing and painting of 1 No of replacement tube bundle for Fluidised Bed Air Cooler for Jharsuguda Aluminum Plant of Vedanta	1 No.	FLSmidth Pvt. Ltd.	9-Sep-21	27-Jan-22 Completed
3586	Procurement, fabrication, testing and painting of 2 No of replacement tube bundles for Fluidised Bed Air Cooler	2 No.	FLSmidth Pvt. Ltd.	6-May-21	30-Oct-21 Completed
3402	Design, detailed engineering, procurement, fabrication, testing, Code Stamping, painting and supply of 8 Coolers for Helium Compressors in accordance with ASME Sec VIII Div 1 for Air Liquide Far East, Taiwan	16 Nos.	Howden Thomassen Compressors, Netherlands	11-Sep-20	16-Jan-21 Completed
3368	Procurement, fabrication, testing and LR Marine certification of 2 replacement tube bundles for Stage 4 & 5 LNG Inter Coolers in accordance with ASME Sec VIII Div.1 / TEMA Class C and LR Rules and Regulations for Classification of Ships for Liquid Gas Equipment Limited, Edinburgh	2 No.	Burckhardt Compression (India) Pvt. Ltd.	20-Jul-20	28-Sep-20 Completed

3103	Design, detailed engineering, procurement, fabrication and DOSH Malaysia conformity certification of 4 no. shell & tube heat exchangers in CS and SS 304 for H2 Plant at Hengyuan Refining Company Berhad, Port Dickson, Malaysia	4 No.	Linde India	22-May-19	5-Mar-20 Completed
2853	Procurement, fabrication, testing and painting of 1 No of replacement tube bundle for Fluidised Bed Air Cooler as per FLSmith drawings.	1 No.	FLSmith Pvt. Ltd.	26-Nov-18	30-May-19 Completed
2811	Design, procurement, fabrication, inspection, pickling & passivation of 2 off Intercoolers shell side, rear end tube side with removable tube bundles with floating head cover in accordance with ASME Sec VIII Div. 1, TEMA Class C, and AS1210.	1 No.	Access Petrotec Pty. Ltd., Australia	16-Aug-18	6-Jul-2019 Completed
2767	Design, detailed engineering, procurement, fabrication, testing, painting and delivery of 1 No. ST Forced Cooling Air Cooler in accordance with ASME section VIII Div 1 and TEMA Class C for 1 X 660 MW supercritical thermal power plant at UPRVUNL, Harduaganj	1 No.	Toshiba JSW Power Systems Pvt. Ltd.	21-Aug-18	17-Aug-19 Completed
2783	Design, detailed engineering, procurement, fabrication, testing, painting and delivery of 4 nos. Steam Coil Air Preheaters to ASME Sec VIII Div. 1 for 2x660 MW Maitree super thermal power project, Bangladesh	4 Nos.	BHEL, Ranipet	17-Jul-18	11-Dec-19 Completed
2765	Design, detailed engineering, procurement, fabrication, testing and delivery of 2 nos. Steam Coil Air Preheaters to ASME Sec VIII Div. 1 for NTPC- Vindhyachal Stage-1 project	2 Nos.	BHEL, Ranipet	13-Apr-18	08-Feb-19 Completed
2554	Procurement, fabrication, testing and painting of 10 Nos. Gas Coolers in accordance with ASME Sec VIII Div.1 / TEMA Class C and LR Rules and Regulations for Classification of Ships and Burckhardt specifications for Liquid Gas Equipment Limited, Edinburgh.	10 Nos.	Burckhardt Compression (India) Pvt. Ltd.	3-Aug-17	30-Dec-17 Completed
2487	Design, detailed engineering, procurement, fabrication, testing and delivery of Steam Coil Air Preheaters to ASME Sec VIII Div. 1 and BHEL specs for NTPC SAIL Power Company, Rourkela PP-II Expansion 1x250 MW	2 Nos.	BHEL, Ranipet	24-Jan-17	28-Sep-17 Completed
2499	Procurement, Fabrication, Testing, Pickling and Passivation of 1 No Duplex SS replacement tube bundle to ASME Sec VIII Div 1 for Visakh Refinery	1 No	HPCL	23-Jan-17	12-Jul-17 Completed
2427	Design, detailed engineering, procurement, fabrication, testing and delivery of Steam Coil Air Preheaters to ASME Sec VIII Div. 1 and BHEL specs for Tuticorin TPS Stage IV, 1 x 525MW, MEIL, Tamilnadu	2 Nos.	BHEL, Ranipet	23-Nov-16	28-Dec-17 Completed
2222	Design, detailed engineering, procurement, fabrication, testing, painting, code stamping and delivery of 2 Nos. ST Forced Cooling Air Cooler in accordance with ASME section VIII Div 1 and TEMA Class C for 2 X 800 MW NTPC Darlipalli Super Thermal Power Project.	2 Nos.	Toshiba JSW Power Systems Pvt. Ltd.	7-Jan-16	27-Dec-17 Completed

1999	Procurement, Fabrication, Testing, Pickling and Passivation of 2 No tube bundles as per drawings issued by FLSmidth.	2 Nos.	FLSmidth Pvt. Ltd.	4-Nov-15	14-May-16 Completed
2198	Design, detailed engineering, procurement, fabrication, testing and delivery of Steam Coil Air Preheaters to ASME Sec VIII Div. 1 and BHEL specs for NTPC-Darlipalli STPP ST-I 2x800 MW , Sundargarh, Odisha	4 Nos.	BHEL, Ranipet	28-Jul-15	9-Jun-16 Completed
1978	Procurement, fabrication, testing and partial 'U' Stamping of 4 nos. of Heat Exchanger Tube Bundles and 1 no. Heat Exchanger to ASME Sec VIII Div 1 for Gas Oil Y Gasolina De Bajo Azufre project of ANCAP for Refinería La Teja, Montevideo,Uruguay	5 Nos.	Petroleum Services Co. WLL	29-Jan-15	24-Nov-15 Completed
2037	Procurement, fabrication, testing , pickling and passivation of Natural Gas Cooler to ASME Sec VIII Div. 1	1 No.	PT South Pacific Viscose, Indonesia	10-Aug-14	13-Jan-15 Completed
2032	Design, detailed engineering, procurement, fabrication, testing and delivery of Steam Coil Air Preheaters to ASME Sec VIII Div. 1 and BHEL specs for Indian Oil Corp., Mathura Refinery	3 Nos.	BHEL, Ranipet	23-Jun-14	30-Sep-14 Completed
2017	Design, detailed engineering, procurement, manufacturing, testing and delivery of 2 Bypass Gas Coolers, 2 Oil Heat Exchangers and 1 Water Cooler to ASME Sec VIII Div 1 TEMA R / C, and GOST-R for Salavat, Russia	5 Nos	Howden BC Compressors, France	19-Mar-14	9-Sep-14 Completed
1909	Procurement, fabrication, testing and delivery of replacement Gas Cooler E-203 to ASME Sec VIII Div 1, tubes of SA 312 TP 347H and header of Incolloy 800H.	1 Set	Kribhco / Heavy Water Plant, Dept of Atomic Energy, Surat	11-Jan-14	2-Feb-15 Completed
1886	Detailed engineering, procurement, fabrication, testing and delivery of 3 heat exchangers for H ₂ S / CS ₂ service	3 Nos	PT South Pacific Viscose, Indonesia	15-Oct-13	7-Feb-14 Completed
1903	Design, detailed engineering, procurement, manufacturing, testing and delivery of 2 Lub Oil Coolers, 2 Process Gas Coolers and 1 Water Cooler to ASME Sec VIII Div 1, TEMA R / C, and GOST-R for Salavatnefteorgsintez Petrochemical Plant, Salavat, Russia	5 Nos	Howden BC Compressors, France	24-Dec-13	31-May-14 Completed
1970	Design, detailed engineering, procurement, manufacturing, testing and delivery of 2 No. Bypass Gas Coolers, 1 No. Interstage Gas Coolers, 6 No. Duplex Lub Oil Coolers, 3 No. Duplex Water Coolers, all to ASME Sec VIII Div 1, TEMA Class C / R and GOST-R for Kirishi Refinery of Kirishinefteorgsintez LLC, Russia	12 Nos	Howden BC Compressors, France	20-Dec-13	27-Sep-14 Completed
1810	Design, detailed engineering, procurement, fabrication, testing and delivery of Steam Coil Air Preheaters to ASME Sec VIII Div. 1 and BHEL specs for 1 x 500 MW Vindhyachal Thermal Power Project, Singrauli, Madhya Pradesh for NTPC	4 Nos	BHEL, Ranipet	16-Dec-13	14-Mar-14 Completed
1953	Design, detailed engineering, procurement, fabrication, testing and delivery of Steam Coil Air Preheaters to ASME Sec VIII Div. 1 and BHEL specs for 3 x 660 MW Super Thermal Power Project, Nabinagar, Bihar for NTPC	6 Nos	BHEL, Ranipet	06-Dec-13	4-Jul-14 Completed

1920	Design, detailed engineering, procurement, fabrication, testing and delivery of Steam Coil Air Preheaters to ASME Sec VIII Div. 1 and BHEL specs for 2 x 500 MW Thermal Power Project, Mauda for NTPC	4 Nos	BHEL, Ranipet	06-Dec-13	31-Mar-14 Completed
1809	Design, detailed engineering, procurement, fabrication, testing and delivery of Steam Coil Air Preheaters to ASME Sec VIII Div. 1 and BHEL specs for 2 x 600 MW STPP, Adilabad of Singareni Collieries Co. Ltd. (SCCL) / NTPC	8 Nos	BHEL, Ranipet	18-Sep-13	13-Mar-14 Completed
1464	Design, procurement, manufacturing, testing, 'U' Stamping and delivery DDU-France of 3 no. Process Gas Coolers and 3 No. Oil Coolers to ASME Sec VIII Div 1 / TEMA 'R' for Al Yer Hydrogen Plant, Yanbu, Saudi Arabia	6 Nos	Howden BC Compressors, France / Lurgi / Air Liquide / SABIC	9-Dec-11	04-Jul-12 Completed
1520	Design, procurement, manufacturing, testing, 'U' Stamping and delivery DDU-France of 2 no. process coolers to ASME Sec VIII Div 1 / TEMA 'R' for 6000 Tons Polysilicon Plant, Zhang Bin Industrial Park of Powertec Energy Corp, Taiwan	2 Nos	Howden BC Compressors, France / CTCI Corporation, Taiwan	16-Nov-11	20-Apr-12 Completed
1009	Design, detailed engineering, procurement, fabrication, testing, of Steam Coil Air Pre Heater with Carbon Steel Fin Tubes for 1x500 MW DVC Bokaro TPP	2 Nos	BHEL, Ranipet / Damodar Valley Corporation	17-Feb-10	25-Nov-10 Completed
1295	Procurement, fabrication and painting of Header Boxes for Sales Oil Coolers to ASME Sec VIII Div 1 with partial U Stamp for Mukhaizna SAT-1 and CPF Upgrade Project	20 Nos	Jord International / Occidental Mukhaizna	30-Dec-10	26-Apr-11 Completed
1128	Procurement, Fabrication, Assembly and Testing of Air Cooled Vacuum Steam Condensers to ASME Sec VIII Div 1	20 Nos	Jord International / Shree Renuka Sugars Ltd	03-Apr-10	17-Apr-11 Completed
1045	Procurement, Fabrication & Testing of 2 No Fluidised Bed Coolers each comprising 4.6M(Ø) x 5.6 M(H) CS Shell and 4 No SS304 tube bundles of 5.5MT each	2 No (88 MT)	FLSmith Pvt. Ltd. / Utkal Alumina	03-Jul-09	07-Mar-10 Completed

Portable Hazardous Chemical Tanks

Job No	Description of Job	Qty	Client / Owner	Period	
				From	To

4064	Design, detailed engineering, procurement, fabrication, testing, 'U' Stamping, Certification and painting of C1980 Portable Tanks in accordance with ASME Sec VIII Div 1, IMDG/ADR/US DOT/RID/UNT 21/UN3394/TC/TIR	30 Nos	Gulbrandsen Industries	24-Jan-23	In Progress
3833	Design, detail engineering, procurement, fabrication, testing, lead lining, painting and certification of 8,000 Liters UN T22 Bromine tank mounted on an ISO 1496 Class III Frame in accordance with ASME Sec VIII Div. 1, ISO 1496, DOT 49 CFR, RID, ADR, IMO, IMDG, AAR.600, CSC and ASME U Stamp	8 No.	Intech Organic Ltd	18-Jul-22	27-Dec-22 Completed
3922	Design, detail engineering, procurement, fabrication, testing, lead lining, painting and certification of 8,000 Liters UN T22 Bromine tank mounted on an ISO 1496 Class III Frame in accordance with ASME Sec VIII Div. 1, ISO 1496, DOT 49 CFR, RID, ADR, IMO, IMDG, AAR.600, CSC and ASME U Stamp	30 No.	Archean Chemical Industries Limited	7-Jul-22	3-Jun-23 Completed
3637	Design, detail engineering, procurement, fabrication, testing, lead lining, painting and certification of 8,000 Liters UN T22 Bromine tank mounted on an ISO 1496 Class III Frame in accordance with ASME Sec VIII Div. 1, ISO 1496, DOT 49 CFR, RID, ADR, IMO, IMDG, AAR.600, CSC and ASME U Stamp	15 No.	Raj Orgochem Pvt Ltd	23-Feb-22	5-Nov-22 Completed
2451	Design, detail engineering, procurement, fabrication, testing, lead lining, painting and certification of 8,000 Liters UN T22 Bromine tank mounted on an ISO 1496 Class III Frame in accordance with ASME Sec VIII Div. 1, ISO 1496, RID, ADR, IMO, IMDG, AAR.600, CSC	30 No.	Satyesh Brinechem Pvt Ltd	26-Oct-21	20-Jun-22 Completed
3165	Design, detail engineering, procurement, fabrication, testing, lead lining, painting and certification of 8,000 Liters UN T22 Bromine tank mounted on an ISO 1496 Class III Frame in accordance with ASME Sec VIII Div. 1, ISO 1496, DOT 49 CFR, RID, ADR, IMO, IMDG, AAR.600, CSC	12 No.	Lanxess Solutions UK Ltd	4-Jun-21	30-Jun-21 Completed
2521	Design, detailed engineering, procurement, fabrication, testing, lead lining, painting and certification of 8,000 Liters UN T22 Bromine tank mounted on an ISO 1496 Class III Frame in accordance with ASME Sec VIII Div. 1, ISO 1496, DOT 49 CFR, RID, ADR, IMO, IMDG, AAR.600, CSC	50 No.	Archean Chemical Industries Private Limited	25-Jun-19	24-Dec-21 Completed
2721	Design, detail engineering, procurement, fabrication, testing, lead lining, painting and certification of 8,000 Liters UN T22 Bromine tank mounted on an ISO 1496 Class III Frame in accordance with ASME Sec VIII Div. 1, ISO 1496, DOT 49 CFR, RID, ADR, IMO, IMDG, AAR.600, CSC	5 No.	Lanxess Deutschland GmbH, Germany	14-May-18	02-Mar-19 Completed

1635/ 2151	Design, detailed engineering, procurement, fabrication, testing, lead lining, painting and certification of 8,000 Liters UN T22 Bromine tank mounted on an ISO 1496 Class III Frame in accordance with ASME Sec VIII Div. 1, ISO 1496, DOT 49 CFR, RID Class 8, ADR Class 8, IMO Class 8, IMDG Code UN Chapter 12 , Table 12.2, AAR.600,CSC and Albemarle specifications for Jordan Bromine Company Limited, Jordan	40 No.	Albemarle Corporation, USA / Jordan Bromine Company Limited, Jordan	13-Jan-15	19-Apr-16 Completed
1606	Design, detailed engineering, procurement, fabrication, testing, ASME U Stamping and delivery of UN T21 Portable Tanks in accordance with ASME Sec VIII Div. 1.	4 Nos	Albemarle Corporation, USA	12-Aug-13	16-Apr-14 Completed
1503	Design, detailed engineering, procurement, fabrication, testing, 'U' Stamping, Certification and painting of C1980 Portable Tanks in accordance with ASME Sec VIII Div 1, IMDG/ADR/US DOT/RID/UNT 21/UN3394/TC/TIR	10 Nos	Gulbrandsen Chemicals	12-Jan-12	31-Dec-12 Completed

Storage Tanks

Job No	Description of Job	Qty	Client / Owner	Period	
				From	To
3723	Detailed engineering, procurement, fabrication and supply of 25 Storage Tanks in SS304 for Oman Sugar Refinery Co.	25 No. (123 MT)	BMA, Germany	21-Apr-22	22-Nov-22 Completed
3270	Design, procurement, fabrication, testing and supply of 200 KL Spent Acid Storage Tank in SS316L accordance with API 650 for Jhagadia Plant	1 No.	Aarti Industries Ltd, India	27-Feb-20	24-Aug-20 Completed
3064, 3066	Design, detailed engineering, procurement, fabrication, testing, painting, insulation and delivery FAS-Mundra Port of shop fabricated storage tanks 35 CS and 21 SS304L in accordance with API 650 for Kemerton Lithium Hydroxide Project.	56 No. (240 MT)	Albemarle Lithium Pty Ltd., Australia	30-May-19	16-May-20 Completed
1791	Design, detailed engineering, procurement, fabrication, testing and delivery of 49.27 CuM, Storage Tank (Caustic Sparger Vessel) to API 650 for P1 Project at Dahej.	1 No.	SRF Ltd.	22-May-13	17-Oct-13 Completed
1086	Detailed engineering, procurement, fabrication, testing, painting and transportation to site of 35KL x 1, 50KL x 3 and 100KL x 2 Storage Tanks to API 650	6 Nos 38 MT	PI Industries Ltd.	10-Sep-10	3-Aug-11 Completed

1064 / 1145	Procurement, Fabrication & Testing of 1 No Acid Pump Tank of comprising 7.0M(Ø) x 2.0 M(H) with SS 304 Cladding including pump boot frame	1 No (19.60 MT)	Bodal Chemicals Ltd	20-Jul-09	08-Oct-09 Completed
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Boiler Pressure Parts

Job No	Description of Job	Qty	Client / Owner	Period	
				From	To
4057	Design, detailed engineering, procurement, fabrication, testing, ASME U stamping, painting / pickling and passivation and supply of Deaerator in SS304 and Feed Tank in SA 516 Gr 70 to ASME Sec VIII Div 1	1 No	Enter Engineering Pte. Ltd.	11-Jul-23	In Progress
3276	Replacement of 3 Economiser Headers under R stamp. Procurement, fabrication, hydro test, certification, delivery, site supervision and site certification in accordance with ASME Sec I for Combined Cycle Gas Turbine Plant at Sabiya Power Station of Kuwait Ministry of Electricity and Water for GE Power O&M.	3 Nos.	Star Tower And Parts Trading DMCC, Kuwait	19-Feb-20	24-Jun-20 Completed
2385	Design Appraisal, preparation of drawings, procurement, fabrication, testing, and (Partial 'S' stamp) of 4 Nos. Water Wall Panels, 1 No. Mud Drum, 1 No. Steam Boiler Drum in accordance with ASME Sec I Ed 2017	2 Nos.	Turboflow Sociedad Anonima, Uruguay	16-Oct-17	22-May-18 Completed
1787	Design, detailed engineering, procurement, fabrication, testing, insulation and delivery of Feed Tank with Deaerator to ASME Sec VIII Div 1 for 15 TPH Boiler for Saudi Salt Refinery Works, Jeddah, Saudi Arabia.	1 No.	Elmrads Corporation	24-May-13	13-Sep-13 Completed
1709	Design, detailed engineering, procurement, fabrication and testing to ASME Sec I and Partial 'S' stamp of Steam drum (OD 1750 x 7200 T/T x 25 mm thk) and water wall panels.	1 Lot	CIR Sociedad Anonima, Uruguay	12-Dec-12	09-May-13 Completed
1458	Procurement, fabrication, testing and Electroless Nickel Plating of SA 387 P22 Boiler Piping (Risers and Downcomers) for Kogan Creek Project, Australia	15 Tons	Areva Solar, USA	23-Nov-11	25-Aug-12 Completed
1220	Design, detailed engineering, procurement, fabrication and testing to ASME Sec I and 'U' Stamping (Partial 'S' stamp) of Steam drum (OD 1300 x 8300 T/T x 45 mm thk) and water wall panels.	1 Lot	CIR Sociedad Anonima, Uruguay	29-Jul-10	20-Dec-10 Completed

Pressure Piping

Job No	Description of Job	Qty	Client / Owner	Period	
				From	To
3917	Procurement, fabrication, testing and supply of Lub Oil Piping, Vent/Drain/Buffer Piping and Interconnecting Cooling Water Piping in CS / SS316L for Acid Gas Compressors for Worley in Pernis Refinery, Netherlands.	6.0 MT (1700 DI)	Howden Thomassen Compressors / Shell Nederland Raffinaderij BV	28-Jul-22	27-May-23 Completed
2361	Fabrication, testing, painting and delivery of Pipe in pipe fabricated spools for Cooling Water System in accordance ITER technical specifications, PED 97/23/EC for ITER Project, France	26 MT	L & T Construction, ITER-India	07-Dec-16	20-Mar-18 Completed
2105	Fabrication, testing and delivery of CS and SS Piping in accordance ITER technical specifications, PED 2014/68/EU for ITER CWS Project	45,000 DI	L & T Construction / ITER – India	05-Dec-15	25-Jul-17 Completed
2059	Procurement, fabrication, testing and Painting of Process Gas Piping to ASME B31.3 for Mangalore PTA Project, India for Technip India Limited	1 Set	Siemens India	23-Sep-14	24-Apr-15 Completed
1944 / 1966 / 1982/ 1995	Procurement, fabrication, testing and Painting of Process Gas Piping and Interconnecting Oil Piping, Cooling Water and Condensate Piping to ASME B31.3 and PED 97/23/EC with CE Marking under Module H for GC100 Compressors for 1500 TPD Oxygen Plant at Glogów, Poland for Air Liquide / KGHM Polska Miedz	2 Sets Each	Siemens India	24-Dec-13	4-Nov-14 Completed
1915 / 1942	Procurement, fabrication, testing and Painting of Process Gas Piping and Lub Oil Piping for MEG, Reliance Jamnagar	5 Sets	Siemens India	06-Dec-13	09-Mar-15 Completed
1906 / 1957/ 1958/ 1974	Procurement, fabrication, testing and Painting of Process Gas Piping, Lub Oil Piping for IGCC, Reliance Jamnagar	10 Sets (370 MT)	Siemens India	06-Dec-13	27-Jun-15 Completed
1913	Procurement, fabrication, testing, painting and delivery of metering system spools for common sensor (PED compliant)	8 Nos	ABB, UK & Germany	08-Oct-13	27-Aug-15 Completed
1686	Fabrication, testing, painting and assembly of Metering Skid including skid structure for Petronet LNG Ltd.	3 Nos 1096 DI	Daniel Measurement Solutions Pvt. Ltd.	26-Sep-12	18-Mar-13 Completed

1601	Procurement, fabrication, internal lining, testing and delivery of pipe spools for metering under AD Merkblatt HPO (first qualification order)	23 Items	ABB Automation Products GmbH	23-May-12	25-Jan-13 Completed
1421	Procurement, fabrication, NDT and Testing of Condensate Piping for Process Gas Compressors for Meramandali	1 Set	Siemens Ltd	14-Mar-11	30-May-11 Completed
1361	Procurement, fabrication, NDT and Testing of Lub Oil System Interconnecting Piping for Process Gas Compressors for Rengali 3	1 Set	Siemens / BOC India / Bhushan Power & Steel	5-Apr-11	25-Aug-11 Completed
1218	Procurement, fabrication, testing and Painting of Process Gas Piping-Kribhco	2 Sets	Siemens / Kribhco	10-Dec-10	5-Apr-11 Completed
1326	Procurement, fabrication, NDT and Testing of Condensate and Lub Oil System Interconnecting Piping for Process Gas Compressors	1 Set	Siemens / SAIL-Bhilai	14-Mar-11	30-May-11 Completed
1310	Procurement, fabrication, NDT and Testing of Lub Oil System Interconnecting Piping SS 316 L for Process Gas Compressors	2 Sets	Siemens / Kribhco	24-Jan-11	31-Mar-11 Completed
1287	Procurement, fabrication, testing and Painting of Process Gas Piping-Rengali 1& 2	2 Sets	Siemens / BOC India / Bhushan Power & Steel	13-Jan-11	8-Jun-11 Completed
1299	Procurement, fabrication, testing and Painting of Process Gas Piping-Meramandali	1 Set	Siemens / Bhushan Power & Steel	13-Jan-11	26-Jul-11 Completed
1293	Procurement, fabrication, testing and Painting of Process Gas Piping for Rengali 3	1 Set	Siemens / BOC India / Bhushan Power & Steel	13-Jan-11	25-Aug-11 Completed
1230	Fabrication, PTFE lining, Painting and delivery of pipe spools for Hypochlorite Dosing Line for New Instrument Workshop in PS 2G at Maydan Mahzam Field	1 Lot	Qatar Kentz WLL / Qatar Petroleum	06-Jul-10	19-Oct-10 Completed
1225	Fabrication, testing and delivery of 12" Gas Metering Skid for Indus Project / ONGC at GSPL Dahej Terminal	1 No.	Daniel Measurement Solutions Pvt Ltd / GAIL – GSPL Terminal, Dahej (Indus Project Ltd.).	9-Jul-10	19-Oct-10 Completed
1181	Fabrication, NDT, Painting and Assembly of Metering and Pressure Reducing Skids	1 Set	Daniel Measurement Solutions Pvt Ltd / ONGC-Sanand & South Kadi	14-Apr-10	05-Oct-10 Completed
1166	Fabrication, NDT, Painting, Assembly and Testing of Gas, Crude Oil and Condensate metering skids	3 Sets	Daniel Measurement Solutions Pvt Ltd / ONGC-MHN Process Platform	02-Mar-10	21-May-11 Completed

1117 / 1157	Fabrication, NDT, Painting and Assembly of Metering and Pressure Reducing Skids including structural skids	1 Set	Daniel Measurement Solutions Pvt Ltd / Gujarat State Electricity Corp Ltd	24-Nov-09	25-Mar-10 Completed
1073	Procurement, Fabrication & Testing of 1 No SS316 Cooling Coil for Scrubber Feed Tank	1 No.	Balmer Lawrie	03-Sep-09	03-Nov-09 Completed

Structures

Job No	Description of Job	Qty	Client / Owner	Period	
				From	To
3561	Procurement, fabrication, painting and supply of Compressor Skid Frame for Propane Compressors for South Refinery Co., Basra, Iraq	1 No.	Howden Thomassen Compressors, Netherlands / Nur Engineering	9-May-22	6-Feb-23 Completed
1384	Procurement, fabrication and painting of Anchoring Base Frame GK2 for Nangal 1	1 Set	Siemens India	19-Jul-11	1-Dec-11 Completed
1252	Procurement, fabrication and delivery of Gas Compressor Shed in SS316	1 No.	Daniel Measurement Solutions Pvt Ltd / ONGC-MHN Process Platform	18-Jan-11	12-May-11 Completed
1321	Procurement, fabrication and painting of Anchoring Base Frame GK2 for Panipat	1 Set	Siemens India	13-Jan-11	10-May-11 Completed
1320	Procurement, fabrication and painting of Anchoring Base Frame GK2 for Bhatinda	1 Set	Siemens India	13-Jan-11	10-May-11 Completed
1319	Procurement, fabrication and painting of Anchoring Base Frame GK1 Rengali 3	1 Set	Siemens / BOC India / Bhushan Power & Steel	13-Jan-11	9-Apr-11 Completed
1236	Procurement, fabrication, machining and painting of Base Frames for LP Screw Compressors	15 MT	Kirloskar Pneumatic Co. Ltd/ MHN Process Platform – ONGC	31-Jul-10	21-Dec-10 Completed

1064 / 1145	Procurement, Fabrication & Testing of 1 No Acid Pump Tank of comprising 7.0M(Ø) x 2.0 M(H) with SS 304 Cladding including pump boot frame	1 No (19.60 MT)	Bodal Chemicals Ltd	20-Jul-09	08-Oct-09 Completed
1108	Procurement, Fabrication & Trial Assembly of Trestle for Conveyer for Revamp of Soda Ash Plant	1 Set	FLSmith Pvt. Ltd. / Saurashtra Chemicals Ltd.	27-Oct-09	21-Nov-09 Completed
1005	Procurement, Fabrication & Testing and supply of Boiler Columns for 2 x 600MW Shree Singaji TPP, Malwa	349 MT	BHEL, Tiruchirappalli	01-Aug-09	28-Oct-10 Completed

Skid Mounted Assemblies

Job No	Description of Job	Qty	Client / Owner	Period	
				From	To
3482	Procurement, fabrication, assembly, painting and testing and delivery of 9 No. Surge Relief Skids for CFP - MAB2 Project of KNPC, Kuwait for Fluor-Daewoo-Hyundai JV	9 No.	Daniel Measurement Solutions	10-Feb-21	20-Sep-21 Completed
2999	Procurement, fabrication, assembly, painting and testing and delivery of 3 sets (Hydrogen, Nitrogen and Syngas metering skids) of metering skid assemblies for Syngas Project of BPCL, Kochi Refinery	2 Nos.	Daniel Measurement Solutions Pvt. Ltd. /Air Products/BPCL	14-Dec-18	21-Jun-19 Completed
2818/ 2864	Engineering, Procurement, fabrication, painting, assembly, testing and delivery of 2 sets of Hydroprime HC-300 Skid including all E&I for 330 Nm ³ /hr Hydrogen plants for Samsung Electronics Giheung, South Korea	2 Nos. (40 MT)	Linde Engineering India Pvt. Ltd.	14-May-18	09-Mar-19 Completed
2584/ 2820	Engineering, Procurement, fabrication, painting, assembly, testing and delivery of 2 sets of Hydroprime HC-300 Skid including all E&I for Jindal Steel Works 330 Nm ³ /hr Hydrogen plants at Tarapur and Vasind, Maharashtra, India.	2 Nos. (40 MT)	Linde Engineering India Pvt. Ltd.	14-Mar-18	23-Aug-19 25-Sep-19 Completed
2464	Procurement, fabrication, painting, assembly, testing and delivery of Piping and Valves Skid including all E&I for Aconcagua Refinery of ENAP, Chile, South America	1 No. (28 Tons)	Linde AG, Germany	09-Dec-16	30-Sep-17 Completed
2292	Procurement, fabrication, painting, assembly, testing and delivery of Piping and Valves Skid and ASME Sec VIII Div 1 Code Stamped Filter Vessel assembly including all E&I for 1900 MTPD Banggai Ammonia Plant Project of PT Panca Amara Utama, Central Sulawesi, Indonesia	1 No (8 MT)	DrM Filter Technology Pvt Ltd.	30-Sep-16	20-Apr-17 Completed

2342	Fabrication, welding, applicable NDT, hydro-test, painting and assembly of Piping Spools as on structural skid frames including structure skid for HSD and Naphtha skids for Kochi Project of Bharat Petroleum Corporation Ltd., India	2 Nos 3232DI	Daniel Measurement Solutions Pvt. Ltd. / BPCL	25-May-16	2-Feb-17 Completed
2043	Procurement, fabrication, welding, applicable NDT, hydro-test, painting and assembly of Piping Spools as on structural skid frames for Kochi Project of Bharat Petroleum Corporation Ltd., India	11 Nos 2750DI	Daniel Measurement Solutions Pvt. Ltd. / Technip/Air Products/BPCL	18-Nov-14	30-Oct-15 Completed
1968	Procurement, fabrication, painting, assembly, testing and delivery of Piping and Valves Skid for Calumet Montana Refining LLC, Great Falls, Montana, USA	1 No. (45 Tons)	Linde AG, Germany	26-Feb-14	26-Feb-15 Completed
1686	Fabrication, testing, painting and assembly of Metering Skid including skid structure for Petronet LNG Ltd.	3 Nos 1096 DI	Daniel Measurement Solutions Pvt. Ltd.	26-Sep-12	18-Mar-13 Completed
1653	Fabrication, testing, painting and assembly of Filtration, Pressure Letdown & Metering Skids including skid structures for Gujarat State Petronet	3 Nos 1760 DI	Daniel Measurement Solutions Pvt. Ltd.	13-Jul-12	22-Nov-12 Completed
1643	Fabrication, testing, painting and assembly of Filtration, Pressure Letdown & Metering Skids including skid structures for Gujarat State Petronet	3 Nos 1930 DI	Daniel Measurement Solutions Pvt. Ltd.	19-Jun-12	07-Sep-12 Completed
1649	Procurement, fabrication, hot dipped galvanizing and delivery of 18,480 bearing spacers for Reliance Solar Project, Askandra	300 MT	Areva Solar India	19-Jun-12	3-Oct-13 Completed
1594	Procurement, fabrication, painting, assembly, testing and delivery of Piping and Valves Skid for BCPL 4B PSA Hydrogen Package	1 No.	UOP India Pvt. Ltd. / Brahmaputra Cracker & Polymer Ltd.	28-Mar-12	29-Oct-12 Completed
1596	Fabrication, testing, painting and assembly of Filtration, Pressure Letdown & Metering Skids including skid structures	3 Nos (1930 Dia")	Daniel Measurement Solutions Pvt. Ltd. / Gujarat State Petronet	12-Mar-12	22-Jun-12 Completed
1337	Fabrication, testing, painting and assembly of Meter Runs for State Company for Oil Projects, Iraq	1 No.	Daniel Measurement Solutions Pvt. Ltd. / BGR Energy Systems / SCOP	24-Feb-11	4-Aug-11 Completed
1348	Fabrication, testing, painting and assembly of Meter Runs for ONGC MHN Redevelopment Plan Phase II – Sub Sea Pipeline and Platform Mods	8 Nos	Daniel Measurement Solutions Pvt. Ltd. / Swiber Offshore / ONGC	11-Feb-11	11-May-11 Completed
1347 / 1387	Fabrication, testing, painting and assembly of Meter Runs for ONGC SHG Platform	1 No.	Daniel Measurement Solutions Pvt. Ltd. / HAL Offshore / ONGC	10-Feb-11	9-Jun-11 Completed

1307 / 1325	Fabrication, testing, painting and assembly of Filtration, Pressure Letdown & Metering Skids including skid structures	7 Nos	Daniel Measurement Solutions Pvt. Ltd. / Gujarat State Petronet	28-Dec-10	6-Jun-11 Completed
1231	Fabrication, NDT, Painting and Assembly of 4" / 2" Filtration and Pressure Reducing Skids at Asian Ispat LLC, UAE	505 Dia Inch	Daniel Measurement Solutions Pvt Ltd / Rak Gas Commission	18-Aug-10	09-Oct-10 Completed
1248	Fabrication, NDT, Painting and Assembly of 10" & 8" Metering, Filtration and Pressure Reducing Skids including structural skids	3200 Dia Inch	Daniel Measurement Solutions Pvt Ltd / GAIL	18-Aug-10	29-Jan-11 Completed
1225	Fabrication, testing and delivery of 12" Gas Metering Skid for Indus Project / ONGC at GSPL Dahej Terminal	1 No.	Daniel Measurement Solutions Pvt Ltd / GAIL – GSPL Terminal, Dahej (Indus Project Ltd.).	9-Jul-10	19-Oct-10 Completed
1175	Fabrication, NDT, Painting, Assembly and Testing of Metering and Pressure Reducing Skids	1 Set	Daniel Measurement Solutions Pvt Ltd / ONGC-Ranjitnagar	17-Mar-10	02-Jul-10 Completed
1181	Fabrication, NDT, Painting and Assembly of Metering and Pressure Reducing Skids	1 Set	Daniel Measurement Solutions Pvt Ltd / ONGC-Sanand & South Kadi	14-Apr-10	05-Oct-10 Completed
1166	Fabrication, NDT, Painting, Assembly and Testing of Gas, Crude Oil and Condensate metering skids	3 Sets	Daniel Measurement Solutions Pvt Ltd / ONGC-MHN Process Platform	02-Mar-10	21-May-11 Completed
1117 / 1157	Fabrication, NDT, Painting and Assembly of Metering and Pressure Reducing Skids including structural skids	1 Set	Daniel Measurement Solutions Pvt Ltd / Gujarat State Electricity Corp Ltd	24-Nov-09	25-Mar-10 Completed

Miscellaneous Static Process Plant Equipment

Job No	Description of Job	Qty	Client / Owner	Period	
				From	To

3600	Procurement, fabrication, trial assembly and delivery of 6 Sets of Miscellaneous Process Equipment like Volutes, Ducts, Stack, Weir, Burner Deck etc., SS 304/316/321 & CS for 3.5 MTPA LNG Regasification Facilities Project of Tangshan LNG Phase 3 in Caofeidian Port, Tangshan, Hebei Province, China	6 Sets (315 MT)	Linde India	29-Oct-21	12-Oct-22 Completed
3356	Procurement, fabrication, trial assembly and delivery of Miscellaneous Process Equipment like Volutes, Ducts, Stack, Weir, Burner Deck etc., SS 304/316/321 & CS for 174 T/Hr LNG Regasification Facilities Project of Toyo Engineering at Chaara, Gujarat, India	1 Set (28 MT)	Linde India	14-Aug-20	17-Jun-21 Completed
2853	Procurement, fabrication, machining and assembly of E-Disc filter Assembly for FLSmidth Pvt. Ltd., India	1 No.	FLSmidth Pvt. Ltd.	22-Jun-18	18-Jun-19 Completed
2533	Procurement, fabrication, NDE and testing of 2 Nos. of Spiral casing assemblies for 15 MW Nam Pia Hydro Power Project, Vietnam.	2 Nos.	Voith Hydro Pvt. Ltd.	16-Mar-17	16-Nov-17 Completed
2526	Procurement, fabrication, testing and painting of Rotor Assembly for Regenerative Air Preheater for Super Thermal Power Project (2 x 660 MW), NTPC Ltd. Khargone, Madhya Pradesh, India	4 Sets	L&T Howden Pvt. Ltd.	23-Jan-17	22-Feb-18 Completed
2280	Procurement, fabrication, testing and painting of Rotor Assembly for Regenerative Air Preheater for 2 x 660 MW Shree Singaji Thermal Power Project, Madhya Pradesh Power Generating Co. Ltd., Jabalpur, Madhya Pradesh, India	2 Sets	L&T Howden Pvt. Ltd.	04-May-16	17-Feb-17 Completed
2207	Procurement, fabrication, testing and painting of Waste Heat Recovery Unit Casing for Hyundai Engg. & Construction for Abu Dhabi Marine Operations Company (ADMA OPCO) for Field Development Project of Satah Al Razboot (SARB), Abu Dhabi	1 Set	Thermax Limited	14-Jul-15	20-Feb-16 Completed
2232	Procurement, fabrication, testing and painting of Rotor Assembly for Regenerative Air Preheater for 2 X 660 MW Chhabra Supercritical TPS STAGE - II, UNIT 6, Rajasthan Rajya Vidhyut Utpadan Nigam Ltd., Bijapur, Rajasthan	1 Set	L&T Howden Pvt. Ltd.	04-Jul-15	10-Feb-16 Completed
1759	Procurement, fabrication, trial assembly and painting of rotor assembly for Regenerative Air Preheater for 2 x 660 MW NTPC Meja Project	4 Sets	Burmeister & Wain Energy	04-Mar-15	5-Jan-18 Completed
2045	Procurement, fabrication, testing and painting of Rotor Assembly for Regenerative Air Preheater for 2 X 660 MW Chhabra Supercritical TPS STAGE - II, UNIT 5, Rajasthan Rajya Vidhyut Utpadan Nigam Ltd., Bijapur, Rajasthan	1 Set	L&T Howden Pvt. Ltd.	13-Oct-14	21-Apr-15 Completed
1843	Procurement, fabrication, painting and delivery of PED compliant Volute Casings for GC-100 Compressor for 1500 TPD Oxygen Plant at Glogów, Poland for Air Liquide / KGHM Polska Miedz	6 Nos (2 Sets)	Siemens Ltd	23-Aug-13	23-Jan-14 Completed

1830	Procurement, fabrication, testing, painting, insulation and delivery of Test Duct Arrangement.	18.6 Tons	Howden Australia Pty. Ltd	14-Aug-13	20-Jan-14 Completed
1651	Procurement, fabrication, assembly and delivery of Rotor Assemblies for Rotary Air Preheaters for 3 x 660 MW (Unit: 8, 9 & 10) Mahagenco, Koradi TPS Expansion Project.	2 Sets	L&T Howden Pvt. Ltd.	07-Aug-12	13-Mar-13 Completed
1616	Procurement, fabrication, assembly and delivery of Rotor Assemblies for Rotary Air Preheaters for 2 x 700 MW Rajpura Project of Nabha Power Ltd.	2 Sets	L&T Howden Pvt. Ltd. / L&T-MHI Boilers Pvt. Ltd.	17-Apr-12	07-Jan-13 Completed
1570	Procurement, fabrication, trial assembly, painting and delivery of static parts of variable pitch Axial FD Fans for 2 x 600 MW Jaypee Nigrie Power Project	2 Sets	Howden Air & Gas India Pvt. Ltd.	14-Feb-12	14-Dec-12 Completed
1334	Procurement, fabrication and trial assembly of Blasting Room steel work and equipment for GMM Pfaudler Plant	2 Sets	AMT Envira Clean / Hodge Clemco, UK	14-Apr-11	6-Dec-11 Completed
1235	Procurement, fabrication, assembly and delivery of Rotor Assemblies for Rotary Air Preheaters for 2 x 600 MW Jaypee Nigrie Project	4 Sets	Howden Air & Gas India Pvt. Ltd.	14-Feb-11	6-Sep-11 Completed
1308	Procurement, fabrication and painting of Furnace, After Burner and Cyclone Assembly for Fixed Bed Sugar Decolourising Plant Carbon Regeneration System for Golden Sugar Refinery, Nigeria	1 Set	Jord International / Chemviron Carbon-Belgium	13-Jan-11	16-Jul-11 Completed
1258	Procurement, fabrication and painting of Cyclone 2 M Dia x 8.5M (L) & After burner Assembly (2.4 M Dia x 17.3 M (L) for Fixed Bed Sugar Decolourising Plant Carbon Regeneration System	1 No. each	Jord International / Shree Renuka Sugars Ltd	10-Sep-10	30-Mar-11 Completed
1239	Material procurement, fabrication, hydro-testing and assembly of Multi Hearth Furnace Shell 4.4 M Dia x 13.3 M (L) for Fixed Bed Sugar Decolourising Plant Carbon Regeneration System	1 No. 18.3 MT	Jord International / Shree Renuka Sugars Ltd	10-Sep-10	31-Mar-11 Completed
1121	Procurement, Fabrication, Heat Treatment, Painting & Testing GC-20 Volute Casings of Compressors	1 No	Siemens Ltd	12-Mar-10	05-Apr-10 Completed
1134	Procurement, Fabrication, Heat Treatment, Painting & Testing GC-50 Volute Casings of Compressors	6 Nos	Siemens Ltd / BOC India Ltd	21-Jan-10	30-Jun-10 Completed
1094	Procurement, Fabrication & Testing of 2 No. Double walled Combustor Assembly 3820 mm dia x 8330 mm (L) with Foundation Frame.	2 No.	FLSmith Pvt. Ltd. / CSCL Jamshedpur	08-Oct-09	01-May-10 Completed

CLIENT REFERENCES

We have executed / are executing projects for the following clients / principals / project owners so far:
(in alphabetical order)

Client	Main Contractor / Principal / Consultant (if different from Client)	Project Owner (if different)
Aarti Industries Ltd, India		Jhagadia Plant
ABB Automation Products GmbH, Germany		
ABB Ltd., UK		
Access Petrotec Pty Ltd		Honeywell, Geismar, LA
		BHP Billiton, Australia
	Fluor-Daewoo-Hyundai JV	KNPC, Kuwait
		Alcoa, Pinjarra Refinery, Oakley, WA
ABB Inc Instrumentation USA		
Air Liquide, India		100 TPD Biodiesel Crude Glycerin Distillation Plant, Adani Group
		200 TPD Biodiesel Delfin Glycerin Distillation plant in Pobedy St., Sofrino skyregion, Moscow, Russia
		Severstal Steel Mill, Russia
		Oleochemicals Project, Adani Wilmar, Indonesia
Air Liquide Severstal GSC		
Air Products, UK		AGC Glass Europe (Prism ON 300 plant)Teplitz, Czech Republic
		NAM, Netherlands
		FQM, Kansanshi, Zambia
Air Products, Netherlands		N.V. Nederlandse Gasunie
		Gunvor Petroleum Rotterdam B.V.
Air Products & Chemicals Inc, USA		Nigeria LNG
ALD Dynatech Furnaces	ALD Vacuum Technologies, Germany	
		General Electric Corp, Singapore
Albemarle Corporation, USA		Pasadena Plant, Texas
		TBBPA Plant, Jordan Bromine Co.,
Albemarle Lithium Pty Ltd, Australia	Wood (Amec Foster Wheeler Australia Pty Ltd)	Kemerton Lithium Hydroxide Project, WA, Australia
AMT Enviraclean Pvt. Ltd.	Hodge Clemco, UK	GMM Pfaudler
Areva Solar Inc, USA		Cogan Kreek Project, Australia
Areva Solar India Pvt. Ltd., India		Reliance Solar Project, Askandra
Archean Chemical Industries Pvt. Ltd, India		Bromine Plant, Greater Rann of Kutch, Gujarat.
Balmer Lawrie Ltd., India		
Bharat Heavy Electricals Ltd., India		2 x 600MW Shree Singaji TPP, Malwa
		2 x 500 MW Korba West
		1 x 500 MW DVC Bokaro TPP
		2 x 600 MW STPP, Adilabad of Singareni Collieries Co. Ltd. / NTPC
		IOCL, Mathura Refinery
		2 x 500 MW TPP, Mauda, NTPC
		3 x 660 MW Super Thermal Power

Client	Main Contractor / Principal / Consultant (if different from Client)	Project Owner (if different)
		Project, Nabinagar, Bihar NTPC
		Darlipalli STPP 2x800 MW, Odisha, NTPC
		Tuticorin TPS Stage-IV 1 x 525MW, MEIL, Tamilnadu
		Rourkela PP-II Expansion 1x250 MW, NTPC SAIL Power Company
		Vindhyachal Stage-1 project, NTPC
		2 x 660 MW Maitree Super Thermal Power Project, BIFPCL- Bangladesh
BMA, Germany		Alreef Sugar Refinery-Jizan, Saudi Arabia
		Biomass Industries Associates (BIA), Tunisia
		Oman Sugar Refinery
Burckhardt Compression Pvt Ltd, India		Liquid Gas Equipment Limited, Edinburgh
Bodal Chemicals Ltd		
BWE Energy India Pvt. Ltd.		2 x 660 MW NTPC Meja
Carborundum Universal India Ltd.		
CIR S.A., Uruguay		15 MW FANAPEL Power plant, Juan Lacaze, Colonia-Uruguay
		Montes del Plata paper Mill project of Celulosa Y Energia Punta Pereira SA, Uruguay
Daniel Measurement Solutions	Tata Projects	Rak Gas Commission, UAE
	BGR Energy Systems	SCOPE, Iraq
	Larsen & Toubro	Oil and Natural Gas Corporation
	HAL Offshore	
	Swiber Offshore	
		Gas Authority of India Ltd
		Gujarat State Petronet Ltd
	Technip/Air Products	BPCL, Kochi
	Air Products	BPCL, Kochi
	Fluor-Daewoo-Hyundai JV	CFP-MAB2 Project, KNPC
Dresser-Rand India Ltd		Midland Refinery Corp, Daura, Iraq
Dr. M Filter Technology Pvt. Ltd.	Banggai Ammonia Plant, Central Sulawesi, Indonesia	PT Panca Amara Utama, Indonesia
Engineers India Limited		ONGC, Hazira
Filter Concept	Siemens, Singapore, Tullow Ghana Ltd	Mitsubishi Ship Building
FLSmith Pvt. Ltd.		Utkal Alumina Ltd.
		CSCL, Jamshedpur
		Saurashtra Chemicals
		Hindustan Zinc Ltd., Rajasthan, India
		Vedanta Ltd
Gujarat Narmada Valley Fertilizers Co. Ltd. (GNFC)		
Gujarat State Fertilizers & Chemicals Ltd. (GSFC)		45 TPD Nylon-6 Project
Gulbrandsen Chemicals		
Howden Air & Gas India	L&T MHI Boilers Pvt. Ltd.	Jaypee Nigrie Power

Client	Main Contractor / Principal / Consultant (if different from Client)	Project Owner (if different)
Howden BC Compressors, France	Engineers India Ltd	Brahmaputra Cracker & Polymer Ltd.
	Samsung Engg –Tecnimont SpA JV	Abu Dhabi Polymers Co. Ltd. (Borouge)
	Fu Tai Engg. Works, Taiwan	Formosa Petrochemical Corp., Taiwan
	Powertec Energy Corp, Taiwan	CTCI Corporation, Taiwan
	Bechtel Ltd.	Arabian Industrial Fibers Co. Ltd., Saudi Arabia
	Lurgi / Air Liquide	SABIC, Saudi Arabia
		Glencore Project, Russia
		Kirishi Refinery of Kirishinefteorgsintez LLC, Russia
		Salavatnefteorgsintez Petrochemical Plant, Salavat, Russia
Howden Thomassen Compressors BV, Netherlands		Rosneft, Russia
		Reliance Ind Ltd, Jamnagar
	CB&I /Maveg GmbH	Afipsky Oil Refinery, Krasnodar, Russia
		Paz Ashdod Refinery, Israel
		Enagas Refinery, Barcelona, Spain
		Novatek, Ust Luga, Russia
		North Refineries Co., Baiji, Iraq
	Air Liquide Far Eastern	Taiwan Semiconductor Manufacturing Co., Taiwan
	Samsung Engineering Korea	Dos Bocas New Refinery Project, PTI-Infraestructura de Desarrollo, Mexico (Pemex)
		Ilisky Refinery, Russia
	UOP Ltd, UK	Slavyansk Eco LLC, Russia
		Everfuel, Denmark
	Nur Engineering	Southern Refinery, Basra, Iraq
		Shell Nederland Raffinaderij BV
Howden Australia Pty Ltd		
Hindustan Petroleum Corporation Ltd.		HPCL- Visakh Refinery
Indian Oil Corp Ltd.		Gujarat Refinery
		Guwahati Refinery
Intech Organic Ltd.		
Jord International		Shree Renuka Sugars
	Chemviron Carbon, Belgium	Golden Sugar Refinery, Nigeria
		Occidental Mukhaizna, Oman
Jordan Bromine Company Limited		
Kirloskar Pneumatics	Larsen & Toubro	Oil and Natural Gas Corporation
Krishak Bharati Cooperative Ltd.		
Lanxess Deutschland GmbH, Germany		Lanxess Chemical Solutions, UK
Linde AG, Germany	Hydro-Chem, USA	Calumet Refining LLC, Great Falls, Montana, USA
		Aconcagua Refinery, ENAP, Chile, South America

Client	Main Contractor / Principal / Consultant (if different from Client)	Project Owner (if different)
		H2 PSA plant in Redwater, Canada
Linde Engineering India Pvt. Ltd.		Jindal Steel Works, Maharashtra
		Samsung Electronics, Giheung, South Korea
		Hengyuan Refining Company Berhad, Port Dickson, Malaysia
	Toyo Engineering	HPCL Shapoorji Energy, LNG Regas Facilities Project, Chaara, Gujarat
		Tangshan LNG Phase 3, China
L&T Heavy Engineering		Mahagenco Koradi 3 x 600 MW TPP (8, 9, 10)
L&T Howden Pvt. Ltd.	L&T-MHI Boilers Pvt. Ltd. / L&T Power Ltd.	Nabha Power Ltd. – Rajpura Project 2 x 700 MW
		Mahagenco Koradi 3 x 600 MW TPP (8, 9, 10)
		2 X 660 MW Chhabra Supercritical TPS, Stage - II, Unit 5 & 6
		2 X 660 MW Shree Singaji Thermal Power Project, MPPGCL
		2x 660 MW Super thermal power project, NTPC- Khargone
L&T Hydro Carbon Engineering		DFCU, HRRL Barmer Refinery
L&T ECC	ITER-India CWS Project	ITER-IO, France
Luwa India Pvt Ltd	Technip France	Nayara Energy
Nuclear Fuel Complex		Department of Atomic Energy, Govt of India
PI Industries Ltd		
Peroni Pumps India Pvt Ltd		Gujarat State Fertilizers & Chemicals Limited
Powertech Energy Corporation		Procter & Gamble India
Procter & Gamble India		
Prodair Air Products India Pvt. Ltd.		Syngas Phase-2 Coldbox project, BPCL-Kochi Refinery
		Sunflag Iron & Steel Company Ltd., Bhandara, Maharashtra
		Sapio Group, Italy
	Technip Energies	IOCL, Barauni
PT. South Pacific Viscose, Indonesia		
Petroleum Services Co., Kuwait		ANCAP, Refineria LA Teja, Montevideo, Uruguay
Raj Orgochem Pvt Ltd		Bromine Plant, Tuticorin, Tamil Nadu
Rolls Royce Power Eng Inc, UK	Qatar Kentz	OMV Exploration GmbH, Yemen
Sandvik Asia Pvt Ltd	Air Products, UK	FQM, Kansanshi, Zambia
		Tees Valley Project, UK
	JGC Corporation, Japan	Petronas LNG9 Sdn Bhd, Malaysia
	Samsung	Takreer (Abu Dhabi)
		Reliance Ind Ltd., Jamnagar
	Air Liquide	Sasol, South Africa
Satyesh Brinechem		Bromine Plant, Greater Rann of Kutch, Gujarat.
Siemens India Ltd	BOC India	Bhushan Power & Steel

Client	Main Contractor / Principal / Consultant (if different from Client)	Project Owner (if different)
	Air Liquide	
	Larsen & Toubro	
		SAIL, Bhilai
		Kribhco
		National Fertilisers Ltd. Panipat, Bhatinda, Nangal
	Air Liquide	KGHM Polska Miedz, Poland
	Technip	Reliance Jamnagar (IGCC & MEG) Mangalore PTA Project
SRF Ltd.		
Star Tower And Parts Trading DMCC, Kuwait	GE Power O&M	Combined Cycle Gas Turbine Plant, Sabiya Power Station, Kuwait Ministry of Electricity & Water
Steri Technologies, USA		
Sud-Chemie India Pvt. Ltd.		Canada
Thermax Limited	Linde	Reliance Jamnagar
	Hyundai Engg & Construction	Abu Dhabi Marine Operations Co.
Toshiba JSW Power Systems Pvt Ltd		2 X 800 MW NTPC Darlipalli Super Thermal Power Project
		1 X 660 MX Supercritical thermal powerplant, UPRVUNL, Harduaganj
UOP India Pvt. Ltd.	Engineers India Ltd.	Brahmaputra Cracker & Polymer Ltd.
		IOCL- Gujarat Refinery
		IOCL- Mathura Refinery
Voith Hydro Private Limited		HRRL, Barmer Rajasthan Refinery
		15 MW Nam Pia Hydro Power Project, Vietnam

REGISTRATIONS

We hold all statutory registrations required for operation under the Indian laws.

- CIN No: U29119GJ2007PTC052047
- GSTIN No: 24AADCB2731P1ZN
- PF Regn. GJ/BRD/65938
- ESI Regn.
- Factory License No. 3531
- GPCB Consent To Operate No. 77886
- Permanent Account Number AADCB2731P
- Self-sealing permission for export containers

(Copies of registration certificates available on request)

FINANCIALS

- Working capital facility from Axis Bank Ltd. Rs 24 Cr (USD 3 Mi), HDFC Bank Rs 8 Cr (USD 1 Mi)
- Authorised Capital USD 5.6 Million (Rs 40 Cr), Paid Up Capital USD 5.2 Mi (Rs 37.5 Cr)
- Audited statement of accounts available on request

BANKERS

Axis Bank Ltd.

Shivabhi Luxaria Tower A

Makarpura main Road,

Maneja, Vadodara 390013

HDFC Bank

1-4, Gr Floor, Jade Square

Urmi Coop Housing Society

Akota, Vadodara 390020

AUDITORS

Dushyant J. Dalal & Co.

Chartered Accountants

301, Golden Icon

Nr. Chakli Circle, Race Course,

Vadodara 390007

PRODUCT PROFILE

PRESSURE VESSELS FOR AIR SEPARATION PLANTS

MOLECULAR SIEVE ADSORBERS – VERTICAL & HORIZONTAL



Client: Air Products, UK

Scope: Design, detailed engineering, procurement, manufacturing, testing, painting and delivery of 6 no. Vertical Molecular Sieve Temperature Swing Adsorbers to EN13445 incl conformity to PED 2014/68/EU Module G for N.V. Nederlandse Gasunie's Nitrogen Plant at Zuidbroek, Netherlands.

Size: 5.86 M ID x T/T 2.6 M, SA 516 Gr. 70, 38 mm thick
73 MT weight each, 6 no.

See the video of load out here:

<https://youtu.be/xTVFQhogzUo>





Client: Air Products, UK

Scope: Design, procurement, manufacturing, testing, Code Stamping and delivery of 2 no. Vertical Molecular Sieve Temperature Swing Adsorbers to ASME Sec VIII Div 1 incl certification to PED 97/23/EC (CE marking under Module H1) for Prism ON300 Plant, AGC Glass

Europe, Teplitz, Czech Republic

Size:

4.27 M ID x 3.1 M T/T (8.7 M O/A), 16 mm thk, SA 516 Gr 70, 22 Tons each, cyclical service

Scope:

Design, procurement, manufacturing, testing, Code Stamping and delivery of 2 no. Horizontal Molecular Sieve Temperature Swing Adsorbers to ASME Sec VIII Div 1 for Kansanshi Copper Smelter ASU, Zambia



Size:

4.6 M ID x 12.1 M T/T, 14.5 M O/A, 22 / 30 mm shell, 70 Tons each, cyclical service

DIRECT CONTACT AFTERCOOLER

Client: Air Products, UK

Scope:

Design, procurement, manufacturing, testing, Code Stamping and delivery of DCAC to ASME Sec VIII Div 1 for for Kansanshi Copper Smelter ASU, Zambia

Size:

4.0 M ID x 24 M T/T, 29.25 M O/A, 66 Tons



CHILLED WATER TOWER



Client: Air Products, UK

Scope:

Design, procurement, manufacturing, testing, painting and delivery of CWT to ASME Sec VIII Div 1 for Kansanshi Copper Smelter ASU, Zambia

Size: 5.0 M ID x 14.5 M O/A, 32 Tons

FLUIDISED BED COOLERS

Scope :

Procurement, fabrication, testing and painting of 2 Nos Fluidised Bed Coolers



Description:

Cooler shells: ID 4560 x Ht 5600 mm x 10 / 16 mm thk

Tube bundles: 38.1 x 3.2 and 25.4 x 3.2 mm SS 304 incl R/D 1.0 bends; 8 tube bundles

Total weight: Shell 22 MT x 2

Tube bundles: 5.5 MT x 8

Client:

FLSmidth Minerals Pvt. Ltd.

Owner / Project: Utkal Alumina Ltd.



REACTORS FOR CHEMICAL PLANTS

Client / Owner:

Albemarle Corporation, Pasadena, Texas, USA

Scope:

Design, detailed engineering, procurement, fabrication, PWHT, testing, Code Stamping, painting and delivery to Houston Port of 1 off Aluminum Alkyls Reactor 601-A to ASME Sec VIII Div 1

Description:

SA 516 Gr 70, 116 mm thk shell, 65 mm thk dished ends

ID 2896 mm x T/T 1765 mm, O/A 5921 mm

Internal 3 concentric coils of 3" Sch 160 Alloy 20 (UNS N08020) arranged in 2 rows with 6" Sch 160 headers, all supports in Alloy 20

Net weight: 58 MT



REACTORS FOR CHEMICAL PLANTS



Client / Owner:

Carborundum Universal Ltd. Kochi, India

Scope:

Design, detailed engineering, procurement, fabrication, testing and delivery of 1 off Alumina Reactor to ASME Sec VIII Div 1

Description:

SS316L, 25 mm thk shell, 30 mm thk dished ends

ID 1800 mm x T/T 3000 mm, O/A 5170 mm

Internal coil of 3" Sch 40S SS

316L

External limpet coil 3" SS 304L

Net weight: 8 MT



Client / Owner:

Sud-Chemie, Kochi, India

Scope:

Design, detailed engineering, procurement, fabrication, testing and delivery of 1 off Catalyst Reduction Reactor for Hydrogen Rich Gas to ASME Sec VIII Div 1

Description:

SS 304H, 12 mm thk shell, dished end, cone

ID 1600 mm x O/A 5.5 M

Weight 4.5 MT

AIR RECEIVERS

**Client:**

Bharat Heavy Electricals Ltd. Ranipet

Owner:

2 x 500 MW CESB, Korba TPP
SA 516 Gr 70, 12 mm thk shell, 14 mm thk dished ends

Scope:

Design, procurement, fabrication, testing and painting of Air Receivers 2 x 15 CuM and 2 x 10 CuM to ASME Sec VIII Div 1

Size:

15 CuM: ID 1700, T/L to T/L 6500 mm
10 CuM: ID 1700, T/L to T/L 4400 mm
100% RT, dished ends stress relieved

Description:**Client:**

Rolls Royce Power Engg. PLC, UK

Owner:

OMV (Yemen Block S2)

Scope:

Design, procurement, fabrication, testing, Code Stamping and delivery of 4 No. 4000 Lit Air Receivers to ASME Sec VIII Div 1

Description:

ID 1440 x 2350 mm T/T, Shell 20 mm thk, dished ends

22 mm nom thk, SA 516 Gr 70, 100% RT, dished ends stress relieved, internal coating and external painting done.

Client:

Procter and Gamble India, Mandideep (MP) and Baddi (HP)

Scope:

Design, procurement, fabrication, testing, Code Stamping and delivery of 3 CuM & 5 CuM Air Receivers to ASME Sec VIII Div 1

Description:

ID 1400 x 2705 mm T/T, Shell 10 mm, Dished Ends 12 mm
SA 516 Gr 70, Design Pressure: 7.5 bar (g) Qty 2 No.



PRESSURE VESSEL WITH CE MARKING

**Scope:**

Procurement, fabrication, testing, CE marking and delivery of Monotherm 669 Vacuum Furnace to AD 2000 Merkblatt / PED 97-23-EC with CE marking

Client:

ALD Dynatech Furnaces Pvt. Ltd.

Owner:

ALD Vacuum Technologies GmbH, Germany

Description:

Inner Vessel: ID 1568 x 2829 mm T/T, 14 mm thk, SA 516 Gr 70

Outer Vessel: ID 1663 x 2934 mm, 6 mm thk, SA 516 Gr 70

Volume Bottles and Pulsation Dampeners

Scope:

Design, detailed engineering, procurement, fabrication, testing, CE marking and/or U Stamping and delivery of Volume Bottles and Pulsation Dampeners for Compressors

Client:

Howden BC Compressors, France

Howden Thomassen Compressors, Netherlands

Description:

- 3 no. Volume Bottles with U Stamp + CE Marking for Ibn Rushid PTA and Aromatics Project of Arabian Industrial Fibers Co. Ltd., Saudi Arabia / Bechtel
- 6 no. Volume Bottles with U Stamp for Al Yer Hydrogen Plant, Yanbu, Saudi Arabia / Air Liquide / Lurgi
- 6 No. Volume Bottles with U Stamp for Formosa Petrochemical Corp., Taiwan / Fu Tai Engg. Co. Ltd.
- 6 No. Volume Bottles for Brahmaputra Cracker & Polymer Ltd. Petrochemical Complex Project
- 8 No. Volume Bottles with U Stamp for LDPE Project, Ruwais of Abu Dhabi Polymers Co. Ltd. (Borouge) / Samsung / Tecnimont.
- 6 No. Volume Bottles with U Stamp for 6000 Tons Polysilicon Plant, Zhang Bin Industrial Park of Powertec Energy Corp, Taiwan / CTCI Corporation.
- 8 No. Pulsation Dampeners with GOST-R certification for Rosneft-Komsomolsk C Project, Russia.



STORAGE TANKS

**Scope:**

Design, detailed engineering, procurement, fabrication, testing and painting of DEAC Storage Tank to ASME Sec VIII Div 1.

Description:

Dia 7000 x Ht 2000 mm IS 2062; Weight 19.6 MT

Client:

Gulbrandsen Chemicals Pvt. Ltd

Scope:

Detailed engineering, procurement, fabrication, testing and delivery of 6 No. Storage Tanks to API 650: 2007

Description:

35 KL Tank for High Speed Diesel, 3.25M (D) x 4.5 M (H) - 1 No.

50 KL Tanks for Methanol, Toluene & Sulph Acid, 3.6M(D) x 5.25M(H)– 3 No.

100 KL Tanks for Furnace Oil (with TEMA Class R Heater) and Caustic Lye, 4.75 M (D) x 6 M (H) – 2 No. With ladders & hand rails, external painting

Client:

PI Industries

**Scope:**

Procurement, fabrication, testing and painting of Sulphuric Acid Pump Tank.

Description:

Dia 7000 x Ht 2000 mm IS 2062; Weight 19.6 MT With SS 304 cladding inside roof plate.

Client: Bodal Chemicals Ltd

BOILER COMPONENTS TO ASME SEC I

STEAM DRUM



Scope:

Design, procurement, fabrication, testing and delivery of Steam Drum to ASME Sec I with partial 'S' Stamp (Form P4)

Client:

CIR Sociedad Anonima, Uruguay

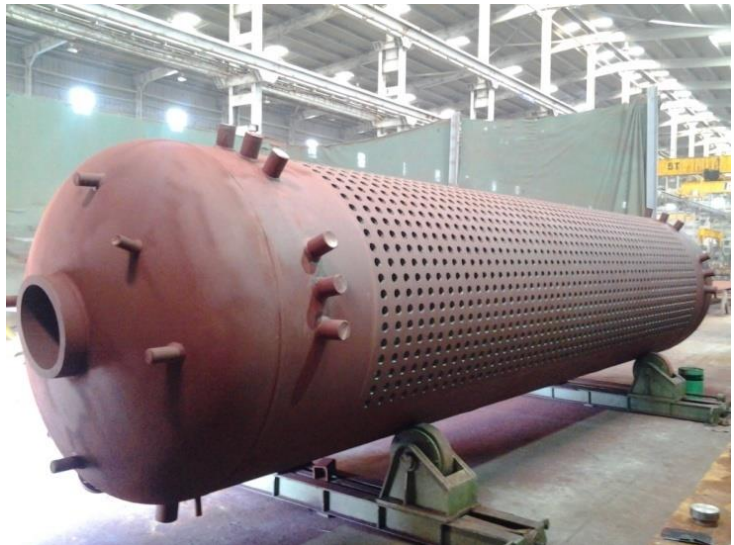
Description 1:

OD 1300 x 8400 mm T/T, Shell 45 mm thk, dished ends 60 mm nom thk, SA 516

Gr 70, Nozzles NPS 3 - 54 No. Other sizes up to NPS 10 - 12 No., 100% RT on all butt welds, whole vessel stress relieved in gas fired furnace, hydro tested at 109 bar, weight 15 MT

Description 2:

OD 1750 x 7200 mm T/T, Shell 25 mm thk, dished ends 30 mm nom thk, SA 516 Gr 70, holes drilled 1368 of 50.8 dia, 164 of 2" dia, others 29 no.



WATER WALL PANELS

Scope:

Design, procurement, fabrication, testing and delivery of 22 No. Water Wall Panels to ASME Sec I with partial 'S' Stamp (Form P4)

Client:

CIR Sociedad Anonima, Uruguay

Description:

2" Sch 40 pipes with 25 x 6 mm fins FCAW welded, bends in 2 planes, hydro tested to 109 bar, pipe ends edge prepared, total weight 28 MT



HEAT EXCHANGERS

AIR COOLED VACUUM CONDENSERS



Scope:

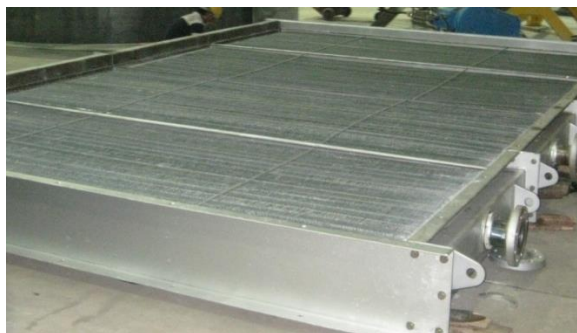
Procurement, fabrication, assembly, testing and delivery of 20 no. Air Cooled Vacuum Condensers to ASME Sec VIII Div 1

Client: Jord International Pvt. Ltd. **Owner:** Shree Renuka Sugar Industries Ltd.

Description:

SS304 welded finned straight tubes 50.8 OD x 1.2 mm thk, Aluminum fins L-Base / B209 alloy 1060 @ 10 / 12 FPI, tube sheet thickness 10 mm; heat transfer area per condenser 9,163 SqM; overall size 19 M (L) x 3.6 M (W); weight per condenser 14 MT

STEAM COIL AIR PREHEATER



Scope: Mechanical and thermal design, detailed engineering, procurement, manufacturing, testing and delivery of 2 No. Steam Coil Air Preheaters to ASME Sec VIII Div.1

Client: BHEL, Ranipet **Owner:** 2 x 500 MW TPP, DVC Bokaro

Description: Duct size 6M x 3.5 M Tubes 19.05 mm OD x 2.11 mm thk IS 1914 seamless with IS 513 plate fins 28 SWG thk, tube bundle hot dip galvanised. Heat Transfer area 1,143 SqM per SCAPH

PROCESS GAS COOLERS



Client: Howden BC Compressors, France

Contractor / Owner: Powertec Energy Corp / CTCI Corporation for 6000 Tons Polysilicon Plant, Zhang Bin Industrial Park, Taiwan

Scope: Design (mech & thermal), detailed engineering, procurement, manufacturing, certification, Code Stamping and delivery to ASME Sec VIII Div 1

Description: TEMA Class R, Type BEU

Shell: 8" Sch 40, SA 106 Gr B, 2.23 M long, channel box SS 304

Tubes: OD 15.875mm x 3.2mm thick, SS 304

Tube sheet: 35 mm thk, SS 304 Qty: 2 No.



LUB OIL COOLERS



Client: Howden BC Compressors, France

Contractor / Owner: Lurgi-Air Liquide / SABIC, for Al Yer Hydrogen Plant, Yanbu, Saudi Arabia

Scope: Design (mech & thermal), detailed engineering, procurement, manufacturing, certification, Code Stamping and delivery to ASME Sec VIII Div 1

Description 1: TEMA Class R, Type BEW

Shell: 8" Sch 40S, SS316L

Tubes: OD 9.525 X 1.651mm thick, SS 316L

Tube sheet: 20 mm thk, SS316 L

Qty: 3 No.

Description 2: TEMA Class R, Type: BEU

Shell: 8" Sch 40, SA 106 Gr B, 2.28 M long, channel box SS 316 L

Tubes: OD 15.875 mm x 1.651 mm thk, SA 213 TP 316 L

Tube sheet: 45 mm thk, SS 316 L Qty: 3 No.



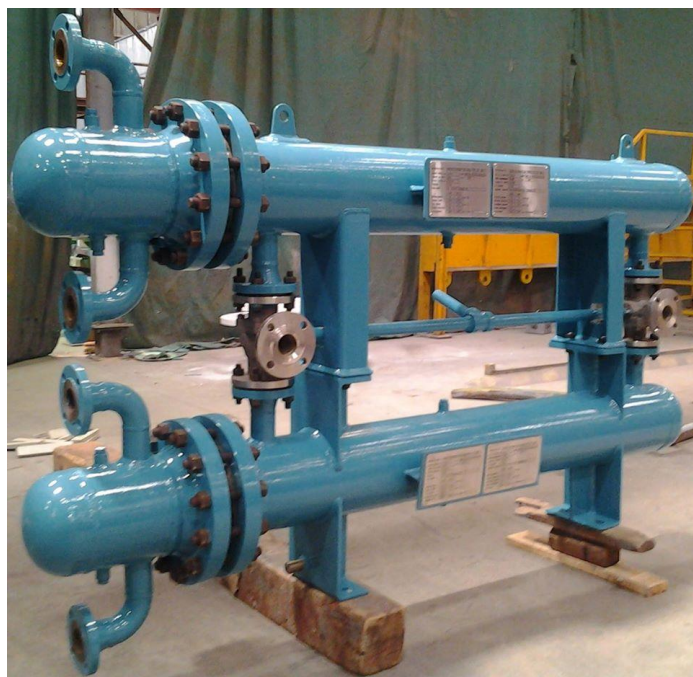
STACKED (DUPLEX) COOLERS



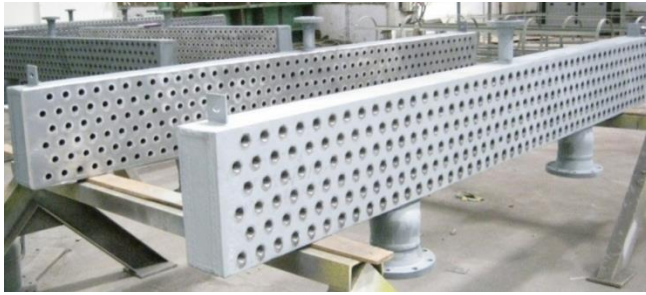
Client: Howden BC Compressors, France

Owner: Kirishi Refinery of
Kirishinefteorgsintez LLC, Russia

Scope: Design, detailed engineering, procurement, manufacturing, testing and delivery of 3 No. Bypass Gas Coolers, 2 No. Interstage Gas Coolers, 6 No. Duplex Lub Oil Coolers, 3 No. Duplex Water Coolers, all to ASME Sec VIII Div 1, TEMA Class C / R and GOST-R with CUTR 032/2013 certification



AIR COOLED HEAT EXCHANGERS



Client: Jord International, Australia

Owner: Occidental Mukhaizna, Oman

Scope:

Procurement, fabrication and painting of Header Boxes for Sales Oil Coolers to ASME Sec VIII Div 1 / API 661 with partial U Stamp for Mukhaizna SAT-1 and CPF Upgrade Project

Description: Headers size: 3.21 M (L) x 0.8 M (W) x 0.4 M (H), Headers thickness: 25 mm

Material: SA 516 Gr 70, Qty 16 no. (8 sets)

PRESSURE PIPING

Scope: Procurement, fabrication, testing, painting and delivery of process gas piping, compressor interconnecting piping, lub oil / condensate piping spools to ASME B 31.3 for Kribhco 1 & 2, SAIL-Bhilai, Rengali 1, 2 & 3, Meramandali Projects



Client:

Siemens Ltd.

Description:

Material Grade: SA 516 Gr 70, SA 106 Gr B, SS316L, SS304

Size ½" to 104"

5,707 Dia Inch of circ seam welds

140 M of long seam welds

45 MT weight total

190 spools, 60 hydro tests

COLUMNS

Scope:

Detailed engineering, procurement, fabrication, testing and delivery of 9 No. SS316L and 2 No. CS Columns to ASME Sec VIII Div 1

Client:

SRF Ltd.

Description:

Dia 508 mm x 22.4 M long x 1 no.
Dia 508 mm x 20.4 M long x 2 no.
Dia 508 mm x 10.9 M long x 1 no.
Dia 450 mm x 12.87 M long x 1 no.
Dia 406 mm x 22 M long x 2 no.
Dia 300 mm x 12.75 M long x 1 no.
SS 316 L, Total weight 11.5 MT
Dia 900 mm x 55.07 M long x 1 no.
Dia 400 mm x 30.5 M long x 1 no.



PORTABLE CHEMICAL TANKS



Scope: Design, detailed engineering, procurement, fabrication, proto type testing, painting, Code stamping, certification and delivery of 10 No. 7.5 CuM Portable Chemical Tanks for Aluminum Alkyd (UN T21) to ASME Sec VIII Div.1 with IMDG, ADR, RID, US DOT, UK DfT, TC, TIR certification by Lloyds.

Client:
Gulbrandsen Chemicals Pvt. Ltd

Description:
ID 1875 x 2088 mm T/T, 12 mm thick, SA 516 Gr 70 with

ellipsoidal dished ends, Design Pressure 12.34 kg/cm², PWHT, support structure incl saddles and forklift pockets load tested to ISO 1496-3 Series 1.

PORTABLE CHLORINE TANKS (WITHOUT FRAME)



Scope:
Design, procurement, fabrication, testing and delivery of 10 No. Chlorine Tanks to ASME Sec VIII Div 1 with partial 'U' Stamp; Lethal Service

Client:
CIR Sociedad Anonima, Uruguay

Description:
Dia 2.045 M x 6 M T/T, 16 mm thk, SA 516 Gr 70 with hemispherical dish ends and

internal 2:1 ellipsoidal bulk head; PWHT of whole vessel; weight 5.2 MT per tank

PSA SURGE TANK

Scope: Design, detailed engineering, procurement, fabrication, testing, painting and delivery of Surge Vessel to ASME Sec VIII Div 1

Client:

UOP-Honeywell; IOCL Gujarat Refinery

Description:

ID 4.65 M x 14 thk, T/L 30.85 M,

O/A 34.75 M, SA 516 Gr 70, Weight 72 MT, Qty 1



PORTABLE BROMINE TANKS

Scope: Mechanical design, detailed engineering, procurement, fabrication, testing, lead lining, painting and certification of 8,000 Liters UN T22 Bromine tank mounted on an ISO 1496 Class III Frame in accordance with ASME Sec VIII Div. 1, ISO 1496, DOT 49 CFR, ADR, RID, IMO, IMDG, AAR.600, CSC and Owner specifications.



Client: Jordan Bromine Company, Jordan / Albemarle Corporation, USA

Description: Vessel: 1524 mm ID x 10 thk ; SA 516 Gr70; Lead Lined; 'U' designated ;
Tare Weight ~ 7,000 Kg; Frame: 20 ft ISO 1496 Class III ; Qty 40 Nos

SKID MOUNTED ASSEMBLIES AND PORTABLE PLANT SKIDS

Scope: Engineering, Procurement, fabrication, structural frame, installation of equipment, heat tracing, insulation, painting, assembly, testing and delivery of 2 sets of Hydroprime HC-300 Plant Skid including all E&I for 330 Nm³/hr Hydrogen plants.

Client: Linde Engineering India Pvt. Ltd.

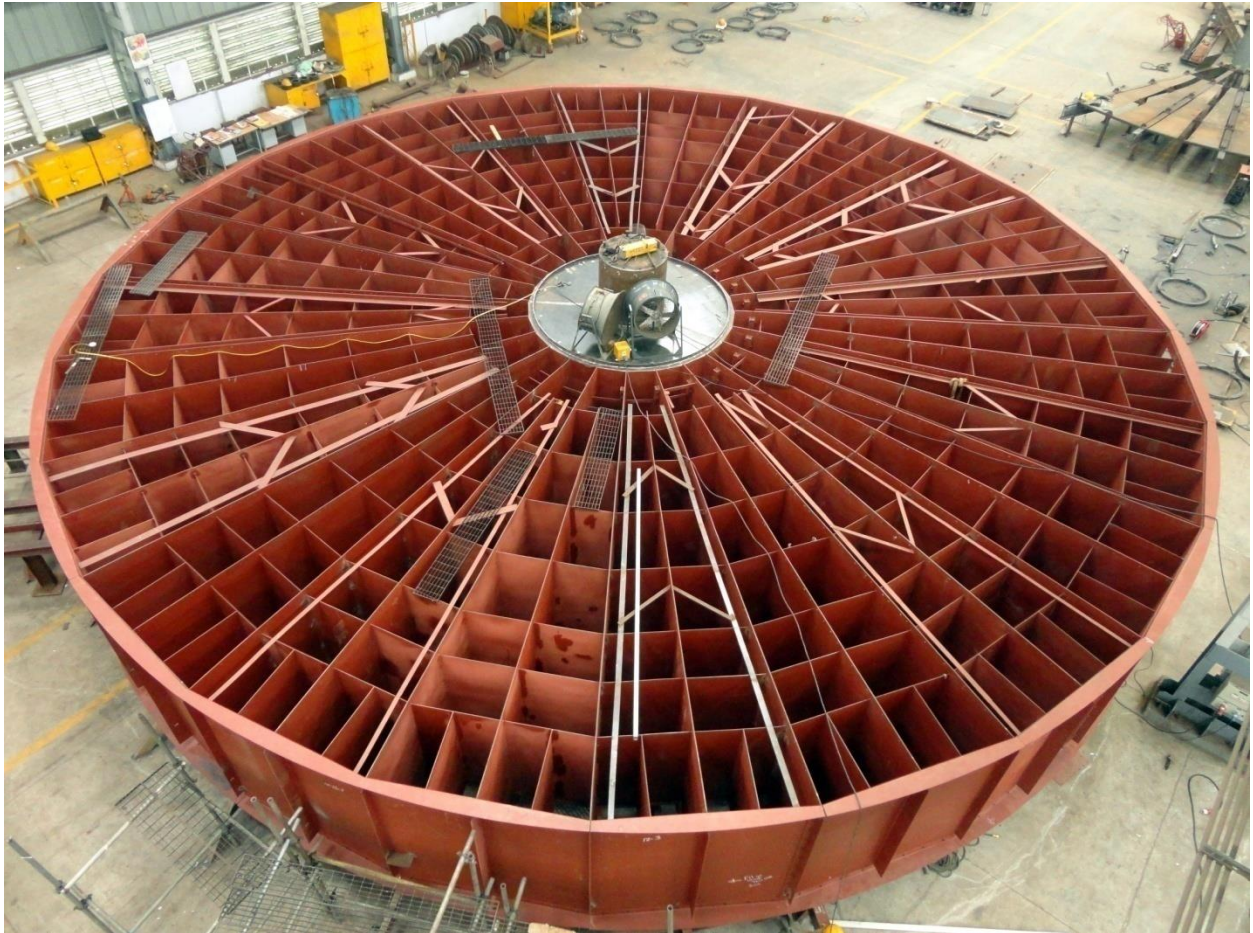
Description: Frame Dimensions in meters: 13.9 x 2.9 x 4.1 (L x W x H), Total Weight: 49.6 MT



See a video of the skid here: <https://youtu.be/HqdsP2Rkk7g>

MISCELLANEOUS STATIC PROCESS PLANT EQUIPMENT

AIR PREHEATER ROTOR ASSEMBLY

**Scope:**

Procurement, fabrication, trial assembly, disassembly, painting and delivery of Rotory Air Preheater rotor section (design by James Howden, UK)

Client:

Howden Air & Gas India Pvt. Ltd. / L&T MHI Boilers Pvt. Ltd. / L&T Power
L&T Howden Pvt. Ltd. / L&T MHI Boilers Pvt. Ltd. / L&T Power

Owner:

2 x 600 MW Jaypee Nigrie Project & 3 X 660 MW Koradi STPP Units 8, 9, 10, Mahagenco

Description 1:

16.26 M Diameter x 3.95/2.24 M Height, Tolerance on OD +0/-2 mm; 96 Tons weight per assembly; Qty 4 assemblies

Description 2:

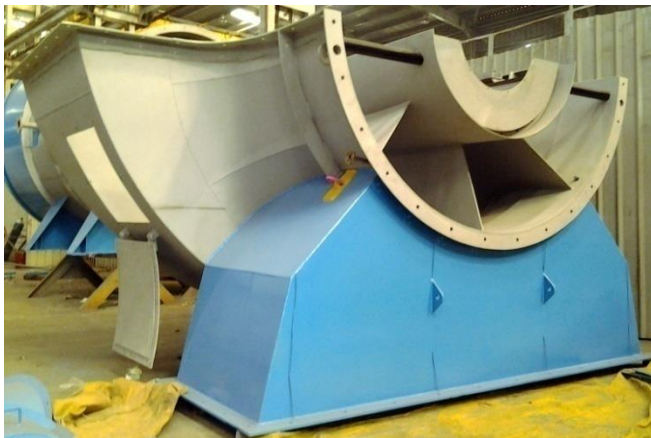
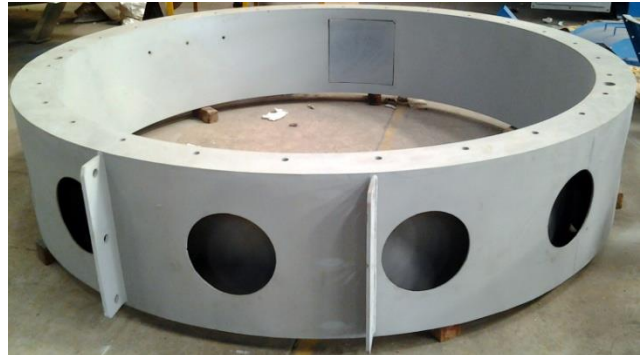
16.26 M Dia x 4.055 M Height, Tolerance on OD +0/-2 mm; 103 Tons weight per assembly; Qty 4 assemblies

STATIC PARTS OF AXIAL FAN

Scope: Procurement, fabrication, trial assembly, painting and delivery of 2 sets of static parts of variable pitch Axial FD Fans for 2 x 600 MW Jaypee Nigrie Power Project (design by James Howden, Denmark)

Client: Howden Air & Gas India Pvt. Ltd. **Owner:** Jayprakash Power Ventures

Description: Fan Model No. ANN-2520/1400C, Capacity: 2800 KW, 240 m³/s, 19 Tonne per set



MULTI HEARTH FURNACE SHELL, AFTER BURNER AND CYCLONE



MHF Shell:

Shell OD 4.36 M x 8.7 M (L) x 8 mm thk, Overall height 13.9 M, Weight 19 MT

After Burner:

IS 2062 Gr B / SS 310 / SS 304
6 / 8 mm thk; Max Dia 2.5 M, Overall height 17.3 M, Weight 7 MT



Cyclone:

SA 572 Gr 50, 6 mm thk, Max Dia 2.2 M, Overall height 8.5 M, Weight 2.34 MT

Scope:

Procurement, fabrication, assembly, external painting and delivery



Client:

Jord International

Owner:

Shree Renuka Sugars

VOLUTE CASING FOR COMPRESSORS

Scope:

Procurement, Fabrication & Testing of Volute Casings for GC 100, GC 50 & GC 20 Compressors

Client: Siemens India

Description:

Material SA 516 Gr70, 6 to 80 mm thk, all FCAW, 100% UT, normalising of transition nozzles after forming, stress relieving of entire casing, blasting and painting



DOUBLE WALL COMBUSTORS

Scope:

Procurement, fabrication, testing and painting of 2 sets of Combustors with foundation frames



Description:

Double walled shell; inner 10 mm thk and outer 3 mm thk

Dia 3900 x 8500 mm long IS 2062 Gr B

Weight 20 MT

Qty 2 Sets

Client:

FLSmidth Pvt Ltd

Owner:

Century Steel (TISCO), Jamshedpur



WHRSG CASING

Scope:

Procurement, fabrication, testing and painting of Waste Heat Recovery Boiler Casing

Description:

Casing of 11 M (L) x 7 M (W) x 6 M (H), Weight 70 MT

Heavy steel structure fabrication, welding of attachments to SS tube sheets, cover panels, insulation, assembly and load out.

Client:

Thermax / Hyundai

Owner:

Abu Dhabi Marine Operations Company (ADMA-OPCO)

Field Development Project, Satrah Al Razboot (SARB) Site in Abu Dhabi



INCINERATOR SHELL

Scope:

Procurement, fabrication, testing and painting of Incinerator Shell

Description:

Incinerator shell 19.3 M (L) x 5.65 M Dia
Weight 71 MT per shell
Qty 2 No.

Client:

Thermax / Linde

Owner:

Reliance Jamnagar Refinery, J3 Project:
Sulphur Recovery Package

