

Company Profile

A MEMBER of J.B.PATEL GROUP of COMPANIES



Dipesh ENGINEERING Works



UNIQUE CHEMOPLANT EQUIPMENTS

*** Corporate Office ***

Sej Plaza, 1-3, 3rd Floor,

Junction of S V Road & Marve Road, Near Nutan High School,

Malad (W), Mumbai – 400064. INDIA.

Tel. No. : 91-22-4073 6736 Fax : 91-22-4073 6737 E - mail : sales@dipeshengg.net



CERTIFICATE OF APPROVAL

This is to certify that the Quality Management System of:

**Dipesh Engineering Works
Sej Plaza, 1-3, 3rd Floor,
Junction of S.V. Road & Marve Road,
Near Nutan High School,
Malad -West, Mumbai – 400 064,
INDIA**

has been approved by Lloyd's Register Quality Assurance
to the following Quality Management System Standards:

ISO 9001:2008

The Quality Management System is applicable to:

**The design, fabrication and after sales service of process equipment
including pressure vessels, reactors, columns, heat exchangers,
storage tanks, mixer blenders dryers and pressure piping.**

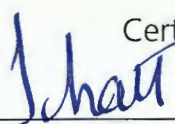
This certificate is valid only in association with the certificate schedule bearing the same number on which
the locations applicable to this approval are listed.

Approval
Certificate No: MUM0061230

Original Approval: 11 May 2006

Current Certificate: 11 May 2012

Certificate Expiry: 10 May 2015


Issued by: Lloyd's Register Quality Assurance Limited

"Certification covered by accreditation demonstrates that compliance with the requirements of BS EN ISO 9001 has been
independently assessed. This does not imply compliance with ISO 17025 or that UKAS laboratory accreditation is held"



001

This certificate replaces and supersedes certificate no.MUM0061230, issue dated 14 June 2011

This document is subject to the provision on the reverse

71 Fenchurch Street, London EC3M 4BS United Kingdom. Registration number 1879370

This approval is carried out in accordance with the LRQA assessment and certification procedures and monitored by LRQA.

The use of the UKAS Accreditation Mark indicates Accreditation in respect of those activities covered by the Accreditation Certificate Number 001

CERTIFICATE SCHEDULE

Dipesh Engineering Works
Sej Plaza, 1-3, 3rd Floor,
Junction of S.V. Road & Marve Road,
Near Nutan High School,
Malad -West, Mumbai – 400 064,
INDIA

Head Office

Dipesh Engineering Works
Sej Plaza, 1-3, 3rd Floor,
Junction of S.V. Road & Marve Road,
Near Nutan High School, Malad -West,
Mumbai – 400 064, INDIA

Activities

Marketing including after sales service, design,
planning, purchase, MR's Office.

Other Locations

Factory:
W-44/43, Additional Ambernath,
MIDC, Anand Nagar,
Ambernath, Dist. Thane – 421 506, India.

Activities

QA/QC, inspection, calibration, production,
maintenance, stores.

Factory : Unit – 2
B70/71, Additional Ambernath,
MIDC, Anand Nagar, Ambernath, Dist.
Thane – 421 506, India.

QA/QC, inspection, calibration, production,
maintenance, stores.

Factory : Unit -3
Survey No. 38/1-B, At Velgaon,
Post Kodan, Boisar – Chillar Road, Manor,
Tal – Palghar, District – Thane,
Maharashtra – 401 403, India.

QA/QC, inspection, calibration, production,
maintenance, stores.

Approval
Certificate No: MUM0061230

Original Approval: 11 May 2006

Current Certificate: 11 May 2012

Certificate Expiry: 10 May 2015

Page 1 of 1



001

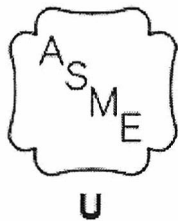
Approval Certificate No: MUM0061230

This document is subject to the provision on the reverse

71 Fenchurch Street, London EC3M 4BS United Kingdom. Registration number 1879370

This approval is carried out in accordance with the LRQA assessment and certification procedures and monitored by LRQA.

The use of the UKAS Accreditation Mark indicates Accreditation in respect of those activities covered by the Accreditation Certificate Number 001



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 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 this certification mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

**Dipesh Engineering Works
Survey No. 38/1-B, At Velgaon, Post-Kodan
Boisar-Chillar Road, Manor, Tal-Palghar
District-Thane, Maharashtra 401403
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: **October 15, 2012**
EXPIRES: **December 16, 2015**
CERTIFICATE NUMBER: **39,146**

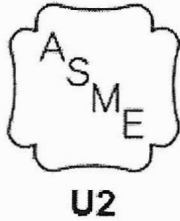
A handwritten signature in black ink, appearing to read 'Bryan A. Eiler'.

Vice President, Conformity Assessment

A handwritten signature in black ink, appearing to read 'Paul H. Welch'.

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 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 this certification mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

**Dipesh Engineering Works
Survey No. 38/1-B, At Velgaon, Post-Kodan
Boisar-Chillar Road, Manor, Tal-Palghar
District-Thane, Maharashtra 401403
India**

SCOPE:

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

AUTHORIZED: **October 15, 2012**
EXPIRES: **December 16, 2015**
CERTIFICATE NUMBER: **39,147**

A handwritten signature in black ink, appearing to read 'Bryan A. Eiler'.

Vice President, Conformity Assessment

A handwritten signature in black ink, appearing to read 'Paul N. W. J. J.'.

Director, Conformity Assessment



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

Certificate of Authorization



This is to certify that

**DIPESH ENGINEERING WORKS
SURVEY NO. 38/1-B, AT VELGAON,
POST-KODAN, BOISAR-CHILLAR ROAD,
MANOR, TAL-PALGHAR
DISTRICT-THANE, MAHARASHTRA, 401 403
INDIA**

*is authorized to use the "R" SYMBOL in accordance with the
provisions of the National Board.*

The scope of Authorization is limited as follows:

***METALLIC REPAIRS AND/OR ALTERATIONS AT THE
ABOVE LOCATION AND EXTENDED FOR FIELD REPAIRS
AND/OR ALTERATIONS CONTROLLED BY THIS LOCATION***

CERTIFICATE NUMBER: R-7967

ISSUE DATE: OCTOBER 22, 2012

EXPIRATION DATE: DECEMBER 16, 2015

Executive Director

A handwritten signature in black ink, appearing to read 'R. D. ...'.



Dipesh Engineering Works

is a member of

Heat Transfer Research, Inc.

*the world's premier source of technology,
information, services, and software
in the field of process heat transfer.*

Membership Period:
July 1, 2007 –
June 30, 2011





CERTIFICATE OF APPROVAL

This is to certify that the Quality Management System of:

**Unique Chemoplant Equipments
Sej Plaza, 1-3, 3rd Floor,
Junction of S.V. Road & Marve Road,
Near Nutan High School,
Malad -West, Mumbai – 400 064,
INDIA**

has been approved by Lloyd's Register Quality Assurance
to the following Quality Management System Standards:

ISO 9001:2008

The Quality Management System is applicable to:

**The design, fabrication and after sales services of process
equipment including pressure vessels, reactors, columns, heat
exchangers, storage tanks, mixer blenders and dryers.**

This certificate is valid only in association with the certificate schedule bearing the same number on which
the locations applicable to this approval are listed.

Approval
Certificate No: MUM0061231

Original Approval: 11 May 2006

Current Certificate: 11 May 2012

Certificate Expiry: 10 May 2015

Issued by: Lloyd's Register Quality Assurance Limited

Certification covered by accreditation demonstrates that compliance with the requirements of BS EN ISO 9001 has been
independently assessed. This does not imply compliance with ISO 17025 or that UKAS laboratory accreditation held.



001

This certificate replaces and supersedes certificate no.MUM0061231, issue dated 11 May 2009

This document is subject to the provision on the reverse

71 Fenchurch Street, London EC3M 4BS United Kingdom. Registration number 1879370

This approval is carried out in accordance with the LRQA assessment and certification procedures and monitored by LRQA.

The use of the UKAS Accreditation Mark indicates Accreditation in respect of those activities covered by the Accreditation Certificate Number 001

Macro Revision 13

CERTIFICATE SCHEDULE

**Unique Chemoplant Equipments
Sej Plaza, 1-3, 3rd Floor,
Junction of S.V. Road & Marve Road,
Near Nutan High School,
Malad -West, Mumbai – 400 064,
INDIA**

Head Office:

Sej Plaza, 1-3, 3rd Floor, Junction of S.V. Road and Marve Road, Near Nutan High School, Malad-West, Mumbai – 400 064, India.

Activities:

Marketing including after sales service, design, planning, purchase, MR's office

Locations:

Factory
B-76, additional Ambernath MIDC, Anand nagar, Ambernath, Dist. Thane – 421 506. India

Activities:

QA/QC, Inspection, calibration, Production, maintenance, stores

Approval
Certificate No: MUM0061231

Original Approval: 11 May 2006

Current Certificate: 11 May 2012

Certificate Expiry: 10 May 2015

Page 1 of 1



001

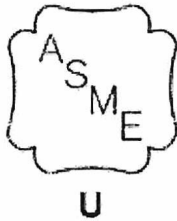
Approval Certificate No: MUM0061231

This document is subject to the provision on the reverse

71 Fenchurch Street, London EC3M 4BS United Kingdom. Registration number 1879370

This approval is carried out in accordance with the LRQA assessment and certification procedures and monitored by LRQA.

The use of the UKAS Accreditation Mark indicates Accreditation in respect of those activities covered by the Accreditation Certificate Number 001



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 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 this certification mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

**Unique Chemoplant Equipments
B-76, Additional Ambernath, M.I.D.C.
Anand Nagar
Ambernath (E), District - Thane, Maharashtra 421506
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: **October 15, 2012**
EXPIRES: **November 2, 2015**
CERTIFICATE NUMBER: **36,179**

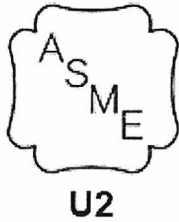
A handwritten signature in black ink, appearing to read 'Bryan A. Eiler'.

Vice President, Conformity Assessment

A handwritten signature in black ink, appearing to read 'Paul D. Wyle'.

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 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 this certification mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

**Unique Chemoplant Equipments
B-76, Additional Ambernath, M.I.D.C.
Anand Nagar
Ambernath (E), District - Thane, Maharashtra 421506
India**

SCOPE:

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

AUTHORIZED: October 15, 2012
EXPIRES: November 2, 2015
CERTIFICATE NUMBER: 39,148

A handwritten signature in black ink, appearing to read 'Bryan A. Eiler'.

Vice President, Conformity Assessment

A handwritten signature in black ink, appearing to read 'Jai Singh'.

Director, Conformity Assessment



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

Certificate of Authorization



This is to certify that

**UNIQUE CHEMOPLANT EQUIPMENTS
B-76, ADDITIONAL AMBERNATH, M.I.D.C.
ANAND NAGAR DISTRICT-THANE
AMBERNATH € MAHARASHTRA, 421506
INDIA**

*is authorized to use the "R" SYMBOL in accordance with the
provisions of the National Board.*

The scope of Authorization is limited as follows:

**METALLIC REPAIRS AND/OR ALTERATIONS AT THE
ABOVE LOCATION AND EXTENDED FOR FIELD REPAIRS
AND/OR ALTERATIONS CONTROLLED BY THIS LOCATION**

CERTIFICATE NUMBER: R-7977

ISSUE DATE: OCTOBER 10, 2012

EXPIRATION DATE: NOVEMBER 2, 2015

Executive Director

A handwritten signature in black ink, appearing to be 'D. D. D.' followed by a long horizontal stroke.





प्रोजेक्ट्स एण्ड डेवलपमेंट इण्डिया लिमिटेड
(भारत सरकार का उपक्रम)
PROJECTS & DEVELOPMENT INDIA LIMITED
(A GOVT. OF INDIA UNDERTAKING)
PDIL BHAWAN, A-14, SECTOR-1, NOIDA-201 301
DISTT. GAUTAM BUDH NAGAR, (U.P.) INDIA

PNMM/REGN/ P1134

Date : 01.11.2012

M/s UNIQUE CHEMOPLANT EQUIPMENTS
3, SHEROO VILLA, 1ST FLOOR, 87, J. P. ROAD
ANDHERI (WEST)
MUMBAI (MAHARASHTRA)-400053

Subject : VENDOR REGISTRATION CERTIFICATE

Dear Sirs,

We are pleased to inform you that you have been enlisted with PDIL as an approved vendor for the item(s) described below :

ITEM CODE	ITEM DESCRIPTION	MATERIAL/RANGE
110206	VESSELS IN CS/AS/SS PRESSURE 11 TO 60 Kg/cm ² g	CS/SS only up to 30 Kg/cm ² g
110209	SMALL COLUMNS	
110503	HEAT EXCHANGERS UPTO 30 Kg/cm ² g	

This enlistment is valid for your facility at :

B-76, ADDITIONAL AMBERNATH, MIDC, ANAND NAGAR
,AMBERNATH DIST THANE (MAHARASHTRA),INDIA

Please refer the above reference number in all your future correspondence related to above subject.

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

Further, it may be noted that any change in the product range, location of Works / Sales office, Management/ Organisation structure etc. shall be intimated to us immediately along with relevant documents for our necessary action. In case, information to any of the above referred changes is not intimated timely, the enlistment with us is liable to be cancelled. Your performance shall be reviewed for continuation of your enlistment with PDIL. Enlistment with PDIL shall not guarantee any regular flow of enquiries.

This registration is valid till 31.10.2017. You shall contact us at least 180 days in advance for revalidation of your registration with us, failing which, your name may be deleted from our vendors list.

Thanking You.

Yours faithfully,

(R. R. Kumar)

Dy. General Manager(MM)



Regd. Office :- PDIL Bhawan, A-14, Sector-1, Noida-201301
Phone : +91 - 120-2529842/43/47/51 Fax : +91- 120-2529801, 2541493
E-mail : noida@pdilin.com, pdilnoida@vsnl.com
Other Office : Sindri, Baroda, Mumbai, Kolkata and Chennai
Visit us at : www.pdilin.com

पंजीकृत कार्यालय : इंजीनियर्स इंडिया भवन, 1, भीकाएजी कामा प्लेस, नई दिल्ली-110066
 Regd. Office : Engineers India Bhavan, 1, Bhikaiji Cama Place, New Delhi-110066

Procurement Development Department

Ref: 4994/PDD//RE/U111

31st December, 2012

M/s Unique Chemoplant Equipments
 Sej Plaza, 1-3, 3rd Floor
 Junction of S.V. Road & Marve Road
 Near Nutan High School
 Malad (West), Mumbai - 400 064

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	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"><u>Shell Thickness</u> 38mm</td> <td style="width: 50%; border: none;"><u>Material</u> CS</td> </tr> <tr> <td colspan="2" style="border: none; text-align: center;">Reference weight : 60MT</td> </tr> </table>	<u>Shell Thickness</u> 38mm	<u>Material</u> CS	Reference weight : 60MT	
<u>Shell Thickness</u> 38mm	<u>Material</u> CS				
Reference weight : 60MT					

(This enlistment is valid for your works located at B-76, Additional Ambernath, MIDC Anand Nagar, Ambernath, Dist. Thane - 421 506).

Further, it may be noted that any change in the product range, location of Works/Sales Office, Management/ Organisation structure etc. shall be intimated to us immediately along with relevant document for our necessary action. In case, information to any of the above referred changes is not intimated timely, our enquiries may not reach you.

Enlistment with EIL shall not guarantee any regular flow of enquiries.

In the event of direct / indirect orders for EIL associated projects, materials will be supplied strictly as per the material / range / works as stated above including agreed responsibility matrix, if applicable, failing which your enlistment with EIL is liable to be cancelled.

The validity of this ENLISTMENT is upto 31st March, 2015.

You are advised to apply for revalidation "on-line", 6 months before expiry of the enlistment. Detailed procedures for revalidation can be seen on our website www.engineersindia.com.

Thanking you,

Very truly yours,


(Rajeev Kumar)

Dy. General Manager
Procurement Development Department

उत्कृष्टता का आधार - हमारे कर्म

DELIVERING EXCELLENCE THROUGH PEOPLE

फोन/Phone : +91-11-26762121(EPABX)

फैक्स /Fax : +91-11-26187622

Visit us at <http://www.engineersindia.com>

E-mail : pdd@eil.co.in

हिन्दी देश की एकता की कड़ी है।



महाराष्ट्र शासन

वाष्पके संचालनालय

Kamgar Bhavan, 7th Floor, Plot No.C-20, Block-E,
Bandra Kurla Complex, Bandra(East), Mumbai-400051.
Tel.No. 022-26571198/26571304/26571352 . Fax No.022-26571283.
Email ID-dsbmumbaiho@gmail.com

क : एसबी-५/MRG/२०१३/ 4255

दिनांक : 6 FEB 2013

प्रति,

मे. युनिक केमोप्लॅन्ट इक्यूपमेंटस,
बी-७६, एमआयडीसी अॅडि. अंबरनाथ इंड. इस्टेट,
आनंदनगर, अंबरनाथ,
जि. ठाणे- ४२१ ५०६

विषय :- "प्रेसर वेसल्स व हिट एक्सचेञ्जर्स " च्या निर्मितीकरिता देण्यात आलेल्या
मान्यतेचे नुतनीकरण करण्याबाबत


संदर्भ :- या कार्यालयाचे पत्र कमांक-SB-5/MRG/2011/6857, दिनांक १७.०३.२०११

महोदय,

आपले पत्र कमांक- NIL , दिनांक ०३.१२.२०१२, च्या संदर्भात आपणांस कळविण्यात येते
की, या कार्यालयाचे उपरोक्त संदर्भित पत्राद्वारे आपणास या विभागाच्या पर्यवेक्षणाखाली
भारतीय वाष्पक विनियम, १९५० " प्रेसर वेसल्स व हिट एक्सचेञ्जर्स " (For Class- I, for
Pressure upto $\leq 125\text{kg/cm}^2$) ची निर्मिती करण्यास विहित अटीवर मान्यता देण्यांत आली
होती. ती आता उपरोक्त नमुद केलेल्या या कार्यालयाच्या पत्रातील अटीवर, दिनांक ३१ डिसेंबर
२०१३ पर्यंत वाढविण्यांत येत आहे.

तसेच कळविण्यांत येते की, पुढील नुतनीकरणाबाबतचा अर्ज, वरील मुदत
समाप्तीच्या किमान ३० दिवस अगोदर सादर करावा.

आपला विश्वासू,


प्र. संचालक,
वाष्पके, महाराष्ट्र राज्य, मुंबई.

प्रत :-

१. सह संचालक, वाष्पके, महाराष्ट्र राज्य, पुणे/ नागपूर /अहमदनगर/
नाशिक / कोल्हापूर.
२. उप संचालक, वाष्पके, महाराष्ट्र राज्य, सोलापूर.

Let us Share With You Our 30 Years Experience

We take this Opportunity to Introduce Our group of Engineering Companies Involved in Design, Fabrication, Testing and Supply of Varied Chemical Process Equipments including Reaction Vessels, Agitators, High Pressure Autoclaves, Hydrogenators, Pressure Vessels, Heat-Exchangers, Tall Vertical Columns etc., Designed & Engineered meeting to the Requirements of the various International Codes and Standards such as ASME, TEMA, PED, DIN, B.S., API etc.

Our Activities are operated in 6 independent Shops with an overall covered area of more than 81,000 Sq.Ft. under the Crane and more than 400 dedicated hardworking craftsmen, Guided, Controlled & Backed by around 100 Professionals in Design, Planning, Purchase, Sales & Estimation, Production Management / Supervision & Quality Assurance & Control. So far our group companies have successfully Fabricated & Supplied Equipments up to 5000 mm Dia & 17 Meters Length, Tall columns up to 40 Meters Height, High Pressure Autoclaves with Pressures ranging from Full Vacuum to 76 Kg/cm²(g) with Thicknesses of shell up to 65 mm.

The Group has already implemented the quality systems to meet ISO Requirements and obtained Certification under ISO 9001- 2008 for two of our units at Ambarnath Under LRQA. Also they are ASME "U, U2 & R" Stamp Certified shop. We already executing Jobs for European Market with CE Marking Meeting PED requirements.

Our Operations are Computerized on Windows Platform and Supported by Design Packages Including Pv-Elite V-2009, Microprotol, Ceaser, CodeCalc, HTRI, AutoCAD 2006, Solid Edge V-18, Mechcal Etc. Our software's are validated for Design Conformance. We have In house Capability for Process Design of the Equipments for the Intended Service.

We have In-house Facilities for Plasma Arc Cutting, Plate Bending, Dish-End Forming, Machining, Mechanical & Electro-Chemical Polishing, E.O.T Cranes For handling and Non-Destructive Testing facilities for Radiography, Liquid Penetrant Testing, Magnetic Particle Inspection, Ultrasonic Thickness Gauging, Paint Thickness Measurements, Surface Roughness Measurement, Etc.

We also Supply the above equipments for Pharmaceutical, Bio - Processing & A.P.I Industry in GMP Design & Construction meeting the stringent regulatory requirements. Our Equipments have been widely used by the leading Pharmaceutical Companies in India with Approvals from Major FDA's.

We have Experience in handling Various Materials including, Stainless Steel, Duplex Steel, Alloy Steel, Carbon Steel, Hastelloy, Inconel, Monel, Nickel, Copper, CuproNickel Etc. in Bare & Explosion Bonded Constructions.

We have also Supplied Turn - Key Plants, System and Skids, including Detailed 3-D Design, Engineering & Supply of Equipments, Structural, Piping, Instrumentation, Etc. for small and medium plants.

The Group comprises of the following associated companies

- **Dipesh ENGINEERING Works . (Unit- I)**
- **Dipesh ENGINEERING Works . (Unit- II)**
- **Dipesh ENGINEERING Works . (Unit- III)**
- **UNIQUE CHEMPLANT EQUIPMENTS .**

OUR ASSOCIATES

1.0 **Address Corporate Office** : Sej Plaza, 1-3, 3rd Floor,
Junction of S V Road & Marve Road,
Near Nutan High School,
Malad (W), Mumbai – 400064. INDIA.

1.1 Telephone Nos. : 91 - 22 - 4073 6736
Fax No. : 91 - 22 - 4073 6737
E - mail : sales@dipeshengg.net
projects@dipeshengg.net
Website : www.dipeshengg.com

1.2 **Contact Persons at Corporate Office**

<u>Name</u>	<u>Designation</u>	<u>E - mail Address</u>
Mr.J.B.Patel	: Chairman	
Mr.Ketan.J.Patel	: Chief Executive Officer	ketan.patel@dipeshengg.net
Mr.Dipesh.J.Patel	: Director	dipesh.patel@dipeshengg.net
Mr.Piyush R.Patel	: Director (Commercial)	piyush.patel@dipeshengg.net
Mr.D.F.Jaiswar	: Marketing Head	deep.jaiswar@dipeshengg.net
Mr.Chirag Trivedi	: Sales Manager	chirag.trivedi@dipeshengg.net
Mr.Sujay Pathre	: Design Head	design@dipeshengg.net

2.0 **Dipesh ENGINEERING Works (I)**

Founded in 1982, the company is involved in Mechanical Design, Fabrication, Testing & Supply of Chemical Process Equipments like Pressure Vessels, Heat Exchangers, Storage Tanks, Distillation Columns etc. as per the various applicable Domestic & International codes. The company has also Manufactured & Supplied Various Specialized & Proprietary Equipments Like Silicon Carbide Heat Exchangers, Rotary Vacuum Dryers, Rotocone Vacuum Dryers, Contra Mixers, Ribbon Blenders (Mixers) etc.to the entire Satisfaction of the Clients.

The Company is ISO Certified & Approved by Lloyd's Register Quality Assurance. This unit has initiated a programme to upgrade the In - house facilities with a view to obtain certification under PED 'CE- Marking'.

2.1 **Factory Address (UNIT - I)**



Dipesh ENGINEERING Works

: W - 44 (C), MIDC, Anand Nagar, Additional Ambernath
Industrial Estate, Ambernath, Dist. Thane.
Pin - 421506, Maharashtra (INDIA)

Telephone No. : 91 - 251 - 2620474 / 2620817
Fax. No. : 91 - 251 - 2620194
E - mail : dew@dipeshengg.net

2.2 **Contact Persons at Factory**

<u>Name</u>	<u>Designation</u>
Mr.Ramesh Patel	Plant Manager
Mr. Janardan	: Production Manager

OUR ASSOCIATES

3.0 UNIQUE CHEMOPLANT EQUIPMENTS

This Unit Established in 1997, Specially for Fabrication of Custom Fabricated Equipments of Heavy Carbon Steel / Stainless Steel Equipments. Unique Chemoplant Equipments is well established to handle Equipments with larger dimensions and any type of highly complicated jobs. The Company is ISO Certified & Approved by Lloyd's Register Quality Assurance & Also an ASME U-Stamp (U1) Certified Company & ASME U-2 Certified. It is also an EIL Approved Company.

The company has also Manufactured & Supplied Various Specialized & Proprietary Equipments Like Autoclave with Quick Opening Door for carbon curing & Cement Block Industries.

Unique Chemoplant Equipments has introduced comprehensive computerization for automation & Computer Aided Design, Drafting, Planning , Costing & Documentation.

3.1 Factory Address



B - 76, M.I.D.C., Additional Ambernath,
Industrial Estate, Anandnagar, Ambernath,
Dist. Thane - 421 506, Maharashtra (INDIA)

Telephone No. : 91 - 251 - 2620 865 / 2620 965 / 5693367

Fax. No. : 91 - 251 - 2680 865

E - mail : uce@dipeshengg.net

3.2 Contact Persons at Factory

Name	Designation
Mr.Sreekumar G.Nair	: Plant Manager
Mr.Rakesh Bhanusali	: Production Manager
Mr.Amit Dama	: QA / Qc Manager

6.0 DIPESH ENGINEERING WORKS (II)

This Unit Established in 2005, Specially for Fabrication of Stainless Steel Equipments to meet the requirements of Pharmaceutical, Bio - Processing & A.P.I Industry in GMP Design & Construction meeting the stringent regulatory requirements. Dipesh Engineering Works (II) is well established to handle equipments with larger dimensions and any type of highly complicated jobs.

6.1 Factory Address (UNIT - II)



B - 70 / 71, MIDC, Anand Nagar, Additional Ambernath
Industrial Estate, Ambernath, Dist. Thane.
Pin - 421506, Maharashtra (INDIA)

Telephone No. : 91 - 251 - 2621330 / 2620151

Fax. No. : 91 - 251 - 2621330

E - mail : dew2@dipeshengg.net

6.2 Contact Persons at Factory

Name	Designation
Mr.Manish Patel	: Plant Manager
Mr.Pramod Singare	: QA/QC

OUR ASSOCIATES

6.0 **Dipesh ENGINEERING Works (III)**

This Unit Established in 2009, Specially for Fabrication of Custom Fabricated Equipments of Heavy Carbon Steel / Stainless Steel Equipments. Dipesh Engineering works is well established to handle Equipments with larger dimensions and any type of highly complicated jobs. The company is made in such a way that at a time 50 - 60 Large Diameter & heavy Thk Equipments can be fabricated in the same shop in different bay. This facilities have in house separate facilities for Blast cleaning & Painting. The Company has ISO Certified & Also an ASME U1 & U-2 Stamp Certification.

6.1 **Factory Address (UNIT - III)**



Dipesh ENGINEERING Works (III)

Survey No.38 / 1- B at Velgaon , Post:-Kodan Boisar,Chilar Road,
Manor,Tal - Palghar, Dist. Thane.

Pin - 401 403,Maharashtra (INDIA)

Telephone No. : 91 - 2525 - 653052

Fax. No. : 91 - 2525 - 287014

E - mail : sales@dipeshengg.net

6.2 **Contact Persons at Factory**

<u>Name</u>	<u>Designation</u>
Mr.Shreekumar G. Nair	: Plant Manager
Mr.Amit Dama	: QA / QC Manager

We are also having a two industries called as M/s.HARSIDDHA ENGINEERING Works & M/s.SMRUTA ENGINEERING INDUSTRIES PVT. Ltd.

- * **HARSIDDHA ENGINEERING Works** : Founded in 1991, established with an aim to cater & serve the growing process industries at Tarapur and subsequently in Gujarat market. Main activities are also Design, Fabrication, Testing & Supply of Chemical Process Equipments Like Pressure Vessels, Heat Exchangers, Storage Tanks, Columns etc, as per the Various Applicable Codes.
- * **SMRUTA ENGINEERING INDUSTRIES PVT.LTD.** : Founded in 2004, established with an aim to cater & serve the growing process industries at Tarapur. Main activities are Design, Fabrication, Testing & Supply of Skids, Structural Items, Storage Tanks, Pre-fabricated Pipings, Pressure Vessels, Heat Exchangers, Columns etc, as per the Various Applicable Codes.

Organisational Structure & Infrastructural Facilities of Design & Engineering Department.

Our Operations are Computerized on windows Platform & Design Packages Like Pv-Elite V-2009,CodeCalc -2009,Mechcal,Autocad-2006,Solidedge Version -20, Microprotol V-32.8.8.1 are available with us. With the help of these packages as well as certain calculation sheets prepared by us in MS Excel, We Design with respect to ASME / TEMA / EJMA / PD / IS etc.

A. Design & Engineering Department at Corporate Office

The Design & Engineering Department at Corporate Office is Headed by Shri. Sujay Pathre

- The Manpower of Design Department is as under.
- Design Engineer : 5
- Autocad Operators : 7
- Solidedge Operators : 6

B. Design & Engineering Department at Factory.[M/s.UNIQUE CHEMOPLANT EQUIPMENTS]

The Design & Engineering Department at UCE is Headed by Shri. Himadri De

- The Manpower of Design Department is as under.
- Design Engineer : 3
- Autocad Operators : 8

C. Design Packages & Softwares Available for Detailing & Designing

Name of Software / Package	No. of License
• HTRI	: 1
• PV- Elite V-2009	: 1
• CodeCalc -2009	: 1
• Microprotol V-32.8.8.1-2009	: 10
• Mechcal	: 2
• Solidedge V -20	: 6
• Autocad 2006	: 20
• Ceaser -II 5.10	: 1

The Total Infrastructure at our Office is as under

COMPUTERS

• Sony Vaio Notebook Pentium III 600 MHZ	: 3
• Network : - Windows NT Server.	: 2
• Pentium IV 1.8 GHZ	: 30
• Pentium III 700 MHZ	: 6
• Intel celeron 550 mhz	: 4
• Pentium 166 MMX	: 4
• Pentium 10 - 1 No.	: 1

PERIPHERALS

• Plotter – HP Design Jet 330 Plotter for A1 sizes Sheet Plotting.	: 2
• Canon Digital Copier Printer A3 size	: 1
• Canon Analog Copier A3 size	: 1
• Printers – 132 Col. 24 Pin Dot matrix – Epson Printer – 1No.	: 1
• HP Laserjet 1160	: 1
• HP Laserjet 6L gold.	: 1
• HP DeskJet 690C Colour Ink Jet Printer.	: 1
• HP Designjet 500 Mono Plotter for A1 Sizes Sheet Plotting.	: 1
• Epson Stylus 220 Ink Jet Printer.	: 1

Activities Undertaken by the Group

Our Activities are operated in 5 independent Shops with an overall covered area of more than 81,000 Sq.Ft. under the Crane and more than 400 dedicated hardworking craftsmen, Guided, Controlled & Backed by around 100 Professionals in Design, Planning, Purchase, Sales & Estimation, Production Management / Supervision & Quality Assurance & Control.

We Supply the above equipments for Pharmaceutical, Bio - Processing & A.P.I Industry in GMP Design & Construction meeting the stringent regulatory requirements. Our Equipments have been widely used by the leading Pharmaceutical Companies in India with Approvals from Major FDA's.

We carried out the Mechanical Design, Manufacture, Testing & Supply of Following Chemical Process Equipments as per Various Applicable International / Domestic Codes. (Like ASME /PD-5500/ IS2825 / E.E.U.A.Handbook / EJMA Standards/ API/ IS6533/ IS803/ IS875/ IS1893 / SMPV (U) Rules,etc)

A. Static Process Equipments

- 1.0 Unfired Pressure Vessels
- 2.0 Agitated Vessels / Reactors
- 3.0 Autoclaves / Hydrogenerator
- 4.0 GMP Reactors / GMP Reaction Vessels.
- 5.0 Reactors for Corrosive Applications.
- 6.0 Process Heat Exchangers
- 7.0 Silicon Carbide Heat Exchangers
- 8.0 Custom - Designed Agitator / Agitator Components
- 9.0 Storage Bullets / Under ground Vessels
- 10.0 Tall Vertical Distillation Columns (With / Without Packings, Bubble cap Trays,etc.)
- 11.0 Stack & Chimney / Tall Tower
- 12.0 Atmospheric Fixed roof & Floating roof Storage Tank
- 13.0 Low Pressure Storage Tank
- 14.0 Lime stone Sand Filters

B. Rotary Process Equipments

- 1.0 Rotary Vacuum Paddle Dryers
- 2.0 Rotocone Vacuum Dryers
- 3.0 Conical Screw Dryers
- 4.0 Spherical Paddle Chopper Dryers
- 5.0 Ribbon Blenders & Mixers

C. Specialised Plant Equipments

GMP Reaction & Distillation System for Bulk Drugs and Active Pharmaceutical Ingredients.

Turn - Key Plants, System and Skids, including Detailed 3-D Design, Engineering & Supply of Equipments, Structural, Piping, Instrumentation, etc. for small and medium plants.

We undertake the Fabrication of the above Equipments under following Materials.

- Stainless Steels
- Carbon / Mild Steels
- Low Temperature and Creep Resisting Steel.
- Low Alloy Steels
- Duplex Steel ,
- Hastelloy , Incoloy , Inconel , Nickel
- Monel , Titanium , Tantalum , Aluminium
- Explosion Bonded / Claded Steels etc ,

Activities Undertaken by the Group

On Site Fabrication of

- Floating Head / Fixed Roof tanks, Hortonspheres,
- Structural & Mechanical Piping,etc.
- Stack & Chimney (Self Supported or with Guy Ropes)
- Factory Sheds / Trusses, Gantry Girders & Columns & Associated Civil Works
- Plant Piping for all services.
- Pre - Commissioning & Commissioning Assistance.
- Developing new concepts and appropriate Technology in Engineering.
- Execution of Complete Projects on Turnkey Basis upto Rs.10 to 15 Crores.

We Supplied Turn - Key Plants, System and Skids,including Detailed 3-D Design, Engineering & Supply of Equipments, Structural, Piping, Instrumentation, etc. for small and medium plants.

PRODUCTION RANGE

Sr. No.	DESCRIPTION	RANGE & SIZES	STANDARDS CODES TO WHICH THE ITEMS IS MANUFACTURED
1	Pressure Vessels / Reactors	Capacity : 50 Ltrs to 300000 Ltrs	ASME Sec.VIII Div.I & II
		Design Pressure : upto 700 kg/cm ² g	PD 5500 / IS 2825
		Design Temperature : upto 600 ⁰ C	
	Agitators (Mixers)	Type : Full Anchor / Semi - Anchor, Mig / Inter - Mig, Hydrofoil, Propeller, Pitched Blade Turbine, Disc Turbine, Pitched Paddle Turbine, Curve Blade, Helical Screw & Ribbon type, Choppers. (Ability to handle viscosities upto 50000 cP (mPas))	EEUA Catalogue For Agitator
2	Shell and Tube Heat Exchangers	Capacity : 0.5 m ² to 5000 m ² & more as per Clients Requirement.	ASME Sec. VIII Div.I & II
		Design Pressure : upto 700 kg/cm ² g	TEMA / EJMA
		Design Temperature : upto 600 ⁰ C	PD-5500 / IS 2825
3	Receivers & Storage Tanks	Capacity : 50 Ltrs to 300000 Ltrs	ASME Sec.VIII Div. I & Div. II / IS 2825 / BS 5500 / API 620
4	Tall Vertical Columns	upto 80 Mtrs in Length	ASME Sec. VIII, Div.I& Div.II / IS 2825 / BS 5500
5	Hydrogenators	Capacity : 100 Ltrs to 50000 Ltrs	ASME Sec.VIII Div. I & Div. II
		Design Pressure : upto 700 kg/cm ² g	
		Design Temperature : upto 400 ⁰ C	
6	Dryers	Capacity : 100 Ltrs to 50000 Ltrs	ASME Sec.VIII Div. I & Div. II
7	Custom Fabrication		
	<u>Burners</u>	0.75 - 1.5 Gcal/h (Qty.1000)	
	<u>Heat Recovery Casings</u>	Length - 30 m, Width - 9.5m, Height - 4.5m	
	<u>HDRI Bins</u>	Length - 12.36m, Width - 6m, Height - 62m (Upto 31 Tons)	

Quality Policy

Our Company is a Quality Oriented Company. Our major Quality Policy is as under.

- Continually improve the Product quality, effectiveness of Quality management system as well as competency of our employees / personnel.
- Improve up on equipment design so as to enhance the process efficiency and utility of the equipment for customer.
- Comply with the Applicable Statutory & regulatory Requirements.
- Strive to be the leading & reliable supplier in the field of Process equipment manufacturing.

All the Departments of our company & every individual is motivated to meet the above policy of our company. Accordingly every Department has its own Quality Procedures & system to meet the above requirements.

Our Systems are well validated over a period of years and are appreciated by our customers. We are still further putting our utmost efforts to meet the ever increasing & challenging demand of Customers.

All our Personnel are well qualified to train & to deliver the delegate roles.

Our Quality Assurance systems are well documented with Quality manual & are certified under ISO 9001 - 2000 by Lloyd's Register Quality Assurance which is the one of the most recognised Quality Organisation in World.

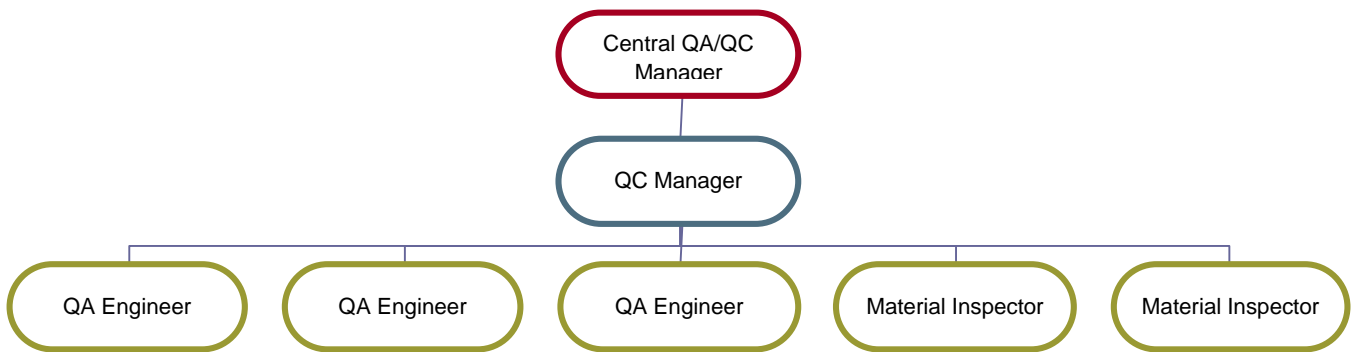
Also to meet the Statutory & regulatory requirements of ASME we have a Quality Assurance System which are certified under LR Insurance Inc. USA for ASME "U" Stamp & appraised & certified by "ASME".

We are hereby enclosing our Quality Control Setup as well as Copy of Our ISO-9001-2000 Certificate along with the ASME " U" Stamp certificate & a Sample Quality Control Plan for your perusal.

Quality Control Setup

- Preparation of Quality Assurance plan on receipt of the approved fabrication drawings and forwarding them to the client / Third Party Inspection agency (if applicable) for their approval.
- Ensuring that all the welders to be used on the job are qualified for welding on the job.
- Ensuring that all the applicable welding procedures for the job is available. If not, preparing the same and getting it qualified.
- Ensuring that all the measuring instruments (tapes, vernier callipers, pressure gauges etc.) to be required for the particular job is calibrated.
- Receiving inspection of raw materials and bought out components.
- In process Inspection at all the stages of the fabrication process by Quality Control Engineers as per the approved Quality Assurance plan.
- Carrying out Non - destructive testing for metals and welds and witnessing by qualified personnel as and when required.
- Inspection of the job for dimensional compliance and preparation of reports for the same.
- Witnessing the hydro test of the equipment by Quality Control Engineers after ensuring that all the previous inspection stages as per the approved QAPs are cleared.
- Compilation of all the inspection reports and records in the form of a document folder along with copies of As Built Drawings which is retained for ready reference after the job has been dispatched. Sending one copy of the same to the client.

Quality Control Organisation



Quality Department Responsibilities

Quality Assurance Department is based centrally in Unique for all the **5 units** with minimum 3 Quality Control Engineers, 2 Materials officer posted in each unit reporting to Quality Assurance Manager.

Quality Control Setup Chart

Responsibilities of each of them are listed below:-

A. Quality Assurance Manager

- Approve the Quality Assurance Plan for all the jobs and ensure that the inspection is carried out as per the Approved Quality Assurance Plan.
- Review the inspection reports prepared by Quality Control Engineers for any discrepancies.
- Review the test certificates for conformance to the required specification/grade.
- Ensure calibration of all the testing and measuring instruments to be used on the job.
- Ensure all the welding procedures and welders are qualified for welding on the job.
- Resolve the Non Conformities identified at the fabrication stage.
- Compile the Document folders

B. Quality Control Engineers

- Carry out in process inspection at all stages of fabrication as per the Approved Quality Assurance plan.
- Prepare inspection reports and offer the Inspection stages to Third party inspection agencies / Client if the QAP calls for the same.
- Identify non conformities in the fabrication stage and get it resolved in consultation with the QA Manager and Works Manager.
- Ensure the dimensional compliance of the job with respect to the approved drawings.
- Arrange for Non - destructive Testing of metals and welds whenever required.

C. Materials Officer

- Carry out receiving inspection of all the material received in the stores.
- Getting the T.Cs reviewed by QA Manager and releasing the material for production.

A MEMBER OF J.B.PATEL GROUP OF COMPANIES

Manufacturing Facilities

Corporate office : SeJ Plaza, 1-3, 3rd Floor, Junction of S V Road & Marve Road, Near Nutan High School, Malad (W), Mumbai – 400064. INDIA.

Telephone Nos. : 91-22-4073 6736 Fax No. : 91-22-4073 6737

E Mail I.D. : sales@dipeshengg.net

: projects@dipeshengg.net

Sr. No	Description / Shop Floors	UNIQUE CHEMPLANT EQUIPMENTS	Dipesh ENGINEERING WORKS	Dipesh ENGINEERING WORKS	Dipesh ENGINEERING WORKS
1	Address	B - 76, M.I.D.C., Add. Ambernath, Ind. Estate, Anand Nagar, Ambernath- 421 506, Dist. Thane , Maharashtra	Unit - I W - 44 (C), M.I.D.C., Anand Nagar, Add. Ambernath, Ind. Estate, Ambernath- 421 506, Dist. Thane, Maharashtra	Unit - II B - 70 / 71, M.I.D.C., Additional Ambernath, Ind. Estate, Anandnagar, Ambernath, Dist. Thane - 421 506, Maharashtra	Unit - III Survey No.38/1-B at Velgaon,Post - kodan, Boisar Chillar Road, Manor, Tal - Palghar, District : Thane, Maharastra 401 403. India.
2	Tel Nos.	91-251-2620 965 91-251- 5693367	91-251-2620474 91-251- 2620817	91-251-2621330 91-251- 2620151	91-2525-653052 91-2525-653121
3	Fax No.	91-251 -2680 865	91-251-2620194	91-251-2621330	91-2525-652912
4	E mail I.D for Shop Co - Ordination	uce@dipeshengg.net	dew@dipeshengg.net	dew2@dipeshengg.net	dew@dipeshengg.net
	Power Supply / Power Connection	<u>400 H.P./ MSEB</u>	<u>99 H.P./ MSEB</u>	<u>107 H.P.</u>	<u>350 H.P./ MSEB</u>
5	Stores			--	
i	Production & Inspection Office	1540 Sq. Ft	150 Sq. Ft	400 Sq. Ft.	450 Sq.ft
ii	Administrative Office	1540 Sq. Ft	85 Sq. Ft	100 Sq. Ft.	100 Sq.ft
iii	Power Room	121 Sq. Ft	105 Sq. Ft	105 Sq. Ft.	250 Sq.ft
iv	Electric Meter Room	56 Sq. Ft	--	--	100 Sq.ft
v	Worker's Cloak Room	160 Sq. Ft	140 Sq. Ft	200 Sq. Ft.	900 Sq.ft
vi	Wash Rooms	30 Sq. Ft	105 Sq. Ft	105 Sq. Ft.	400 Sq.ft
vii	Pump Room	105 Sq. Ft	50 Sq. Ft	50 Sq. Ft.	100 Sq.ft
viii	R.C Water Tank	Internal 25000 Ltrs.	--	15000 Ltr	10000 Ltrs.
		External 10000 Ltrs.	5000 Ltrs.	15000 Ltr	10000 Ltrs.
ix	Watchman's Cabin	106 Sq. Ft	--	--	100 Sq. Ft
6	Total Covered Area (m ²)	1800	1600	3000	6000
7	Total No. of Bays	2	3	8	4
8	No.of Installed Cranes	4	3	9	7

A MEMBER OF J.B.PATEL GROUP OF COMPANIES

Manufacturing Facilities

Sr. No	Description / Shop Floors	UNIQUE CHEMPLANT EQUIPMENTS	Dipesh ENGINEERING Works UNIT- I	Dipesh ENGINEERING Works UNIT- II	Dipesh ENGINEERING Works UNIT- III
9	Max. Lift Capacity (Tons)	30	10	25	100
10	Max. Height Below Hook (m)	11 Mtrs	6	7.5	15
11	Annual Capacity (Tonnes)	1200	700	1500	8000
12	Plate Bending Facilities Inhouse	Yes	Yes	Yes	Yes
i	Max.Plate Thickness for Bending (mm)	50	16	25	32
ii	Max.Plate Width for Bending (mm)	2500	2000	2500	2500
13	Hydraulic Press for Cold Forming Facilities Available Inhouse (Qty)	Yes (3)	Yes (1)	No	Yes (1)
i	Span (mm)	6500 / 4000 / 2500	5600	*	*
ii	Tonnage (Mt)	500 / 150 / 650	300	*	*
iii	Max.Capacity for Dishends Thk.(mm)	50 / 20 / 6	32	*	*
iv	Max.Diameter Accomodated (mm)	6000 / 3500 / 2000	5000	5000	5000
14	Welding Facilities	Yes	Yes	Yes	Yes
i	TiG	8	12	20	6
ii	Manual Arc (SMAW)	8	5	1	25
15	Cutting Facilities	Yes	Yes	65 mm for SS/110 mm for CS	Yes
i	Nitrogen Plasma upto 50 thk. SS Plates.	2 No. upto 50 mm Thk	2 No. upto 50 mm Thk	*	2 No. upto 50 mm Thk
ii	Gas Cutting upto 100 thk.	6 No. upto 100 mm Thk	2 No. upto 100 mm Thk	*	10 No. upto 100 mm Thk
16	Machining Facilities	Yes	Yes	Yes	Yes
i	No.of Lathe Machines Available	5	6	3	6
ii	Machining Length Available (mm)	4000 mm for Agiatator Shaft Machining	7000 mm for Agiatator Shaft Machining	2000 mm for Agiatator Shaft Machining	7000 mm for Agiatator Shaft Machining
17	Drilling Machine	Yes	Yes	No	Yes
i	Radial Drilling Machine	1 Nos. - 65 mm Ø Holes	1 Nos. - 32 mm Ø Holes	*	1 Nos. - 32 mm Ø Holes
ii	Pillar Drilling Machine	1 Nos. - 50 mm Ø Holes	1 Nos.	*	1 Nos.
18	Hacksaw Cutting Machine	1 Nos.	1 Nos.	1 Nos.	1 Nos.

A MEMBER OF J.B.PATEL GROUP OF COMPANIES

Manufacturing Facilities

Sr. No	Description / Shop Floors	UNIQUE CHEMOPLANT EQUIPMENTS	DIPESH ENGINEERING WORKS UNIT- I	DIPESH ENGINEERING WORKS UNIT- II	DIPESH ENGINEERING WORKS UNIT- III
19	Tube Expansion Machine	2 Nos. with Torque Controller for Tube Expansion upto 65 mm Ø Tube	2 Nos. with Torque Controller for Tube Expansion upto 65 mm Ø Tube	2 Nos. with Torque Controller for Tube Expansion upto 65 mm Ø Tube	2 Nos. with Torque Controller for Tube Expansion upto 65 mm Ø Tube
20	Electrode Heating Oven	1 Nos. Stationary with Automatic Temperature Controller	2 Nos. Stationary with Automatic Temperature Controller	2 Nos. Stationary with Automatic Temperature Controller	2 Nos. Stationary with Automatic Temperature Controller / 8 No Portable Oven
21	Electrode Baking Oven	Yes	Yes	Yes	Yes
i	Stationary	2 Nos. with Thermostat	3 Nos. with Thermostat	3 Nos. with Thermostat	2 Nos. with Thermostat
ii	Portable	11 Nos. Electric Heating & Thermostat	12 Nos. Electric Heating & Thermostat	12 Nos. Electric Heating & Thermostat	10 Nos. Electric Heating & Thermostat

INSPECTION & TESTING FACILITIES

We have In - House facilities for following Inspection & Testing Activities.

- Dye Penetrant Examination of Welds, Backchips, Dishends Etc. (Approved Brands)
- Ultrasonic Thickness Testing M/C for Verifying Thickness of Formed Heads, Shells etc. (Amruta Electronics)
- Tong Tester / Multimeter for Testing / Verification of Welding Current / Voltage, Operating Current for Drive Motors Etc – 2 Nos (MECO + 1 Nos Japanese Imported)
- Dial Gauges for out of Thoroughness (Runout) Measurement for Agitators & Components. (Mitutoyo)
- Heat Exchanger hole / Expansion Measurement. (Mitutoyo)

A. List of Sub - Contractors for Metallurgical Testing.

Physical, Chemical, Tensile, Hardness Testing of Raw Materials is done at

- Jewel Metallchem Laboratories.
- Elca Laboratories.
- Metallurgical Services.

B. List of Sub - Contractors for Non- Destructive Testing, Radiography, Magnetic Particle Inspection, Ultrasonic Testing.

- Indocon Inspection Agency.
- Ind. X - Ray & Allied Radiographers.

C. Helium Testing Subcontract to Independent Testing Bureau.

A MEMBER OF J.B.PATEL GROUP OF COMPANIES

Partial List Of Major Works Carried Out By Our Group In Last 3 Years.

Sr. No.	Clients	Value Of Orders Executed In Lakhs
1	M/s.Saudi Formaldehyde Chemical Company Ltd., Saudi Arabia.	2050
2	M/s.Midrex Technologies Inc.	1500
3	M/s.Doshi Ion Exchange & Chemicals Ltd. (In Direct Export to M/s.Fisia Italimpianti)	1300
4	M/s.Oil & Natural Gas Corporation Ltd	850
5	M/s.Grasim Industries Ltd	825
6	M/s.Otsuka Chemical India Limited	787
7	M/s. Rastriya Chemical Fertilizer Ltd.	252
8	M/s.Doshi Ion Exchange & Chemicals Ltd. [In Direct Export to M/s.Fisia Italimpianti]	792
9	M/s.Doshi Ion Exchange & Chemicals Ltd. [In Direct Export to M/s.Sidem]	1250
10	M/s.GEA Process Engineering (India) Pvt.Limited [Indirect Supply to M/s.Nagarjuna Fertilizer & Chemical Ltd.]	118
11	M/s.GEA Process Engineering (India) Pvt.Limited [Indirect Supply to M/s.Indian Oil Corporationl Ltd.]	139
12	M/s.Hyderabad Industries Ltd	525
13	M/s.Jubail Chemical Industries Company (Kingdom of Saudi Arabia)	500
14	M/s.Hindustan Petroleum Corporation Ltd.	143
15	M/s.Indian Oil Corporation Ltd. (Gujrat Refinery)	39.8
16	M/s.National Aerospace Ltd.	182
17	M/s.Alstom Projects India Pvt.Ltd.	720
18	M/s.Biocon India Limited	650
19	M/s.Cipla Limited	1100
20	M/s.Solvay Specialities Pvt. Ltd.	437
21	M/s.Shalina Laboratories Pvt.Ltd.	400
22	M/s.Dishman Pharmaceuticals & Chemicals Ltd.	350
23	M/s.Ranbaxy Laboratories Ltd.	545
24	M/s.Aryan Pesticides Ltd.,Roha.	250
25	M/s.Laffans Petro Chemicals Ltd. (Ankleshwar)	250
26	M/s.Libra Agencies Pvt.Ltd.	250
27	M/s.Jubilant Organosys Ltd.	225
28	M/s.Pfizer Pharmaceuticals India Pvt. Ltd.	430
29	M/s.Industrial Development & Promotion Co.Ltd.	200
30	M/s.Orion Remedies Pvt.Ltd.	200
31	M/s.Deepak Nitrite Ltd.	200
32	M/s.Alkyl Amines Chemicals Ltd.	200
33	M/s.Roha Dye Chem Ltd. (Pharma Grade Colour Plant)	150
34	M/s.Metro - Politant Exichem Ltd.	140
35	M/s.S.C.Enviro Agro Pvt.Ltd.(Division of Sumittomo Chemicals Ltd. JAPAN.)	125
36	M/s.IOL Chemicals and Pharmaceuticals Limited.	117
37	M/s.India Glycols Ltd.	109
38	M/s.Albright & Wilson Chemicals Ltd., Ambarnath	100
39	M/s.Oman Formaldehyde Chemical Company Ltd.	150
40	M/s.Aquatech Systems Asia Pvt.Ltd.	110
41	M/s.Teva Regent Drugs Ltd.	250

A MEMBER of J.B.PATEL Group of COMPANIES

Partial List Of Major Works Carried Out By Our Group In Last 3 Years.

Sr. No.	Clients	Value Of Orders Executed In Lakhs
42	M/s.Sukhjit Starch & Chemicals Ltd.	90
43	M/s.Viswaat Chemicals Ltd.	108
44	M/s.Reliance Petroleum Ltd.	80
45	M/s.Nirma Ltd.	80
46	M/s.Maize Products Ltd.	80
47	M/s.Garware Polyster Ltd.	65
48	M/s.Paramount Minerals & Chemicals Ltd.	60
49	M/s.Aquagel Chemicals Ltd. (Madhu Silica Ltd.)	60
50	M/s.Wockhardt Limited.	65
51	M/s.Melog Speciality Chemicals Ltd.	56
52	M/s.Atul Limited.	55
53	M/s.Harman Finochem Ltd.	45
54	M/s.Manali Petro-chemicals Ltd.	60
55	M/s.DRT - Anthea Aromatics Pvt. Ltd.	315
56	M/s.Andhra Petro Chemicals Ltd.	81
57	M/s.Matrix Laboratories Ltd.	38
58	M/s.Sidharth Colourchem Ltd.	50
59	M/s.ICI India Ltd.	45
60	M/s.Rohm and Hass India Pvt.Ltd.	58
61	M/s.Hans intermediate Ltd.	40
62	M/s.Zandu Chemicals Ltd.	415
63	M/s.Delkor Technic India Pvt.Ltd. (Winsion Or Delkor Tecknic Ltd , U.K.)	43
64	M/s.Aventis Pharma Ltd. (Ankleshwar)	180
65	M/s.Suhail Chemicals Ltd. Sultanat of OMAN	18
66	M/s.Wacker Metroarks Chemicals Ltd.	63

A MEMBER OF J.B.PATEL GROUP OF COMPANIES

LIST OF MAJOR CUSTOMERS FOR HEAT EXCHANGERS

Client	Plant	Unit	Service	P.O. No. & Date	TEMA Class	TEMA Type	Metallurgy & Thickness in mm				Shell Diam. (mm)	Tube sheet Thickness (mm)	Tube to Tube, Sheet joint , Expanded / Welded Grooves/ Welded	Empty weight (Kg)	Year of supply	Order Value	Inspection Authority	Contractual Delivery Date
							Shell	Tube	Tube sheet	Channel								
M/s. Oil & Natural Gas Corporation Limited.	LPG - I and LPG - II Plant of Uran Plant, ONGC.	1	528 m2 SA537Cl.1 Horizontal Feed Gas Chiller	URAN/ MM/ CAP/ 31/ 2006-07/ UA4HCO07006 Dated 21.08.2007	R	AKL	SA537Cl.1 Thk -20mm	SA334Gr.1	SA350 Gr.LF2	SA537Cl.1 Thk -32mm	1490	155	2 Nos. Groove Expand. & Seal Welded	30257	2008	6,46,65000	AI / ONGC	10.03.08
		1	450 m2 SA537Cl.1 Horizontal Light End Fractionator Condenser		R	BKU	SA537Cl.1 Thk -20mm	SA179 (Smls)	SA350 Gr.LF3	SA537Cl.1 Thk -25mm	1640	150	2 Nos. Groove Expand. & Seal Welded	24497	2008		AI / ONGC	
		1	708 m2 SA515Gr.70 Horizontal LPG Column Condenser		R	AEM	SA515Gr.70 Thk -12mm	SA179 (Smls)	SA266CL.2	SA515Gr.70 Thk -12mm	1224	75	2Nos. Groove Expand. & Seal Welded	25737	2008		AI / ONGC	
		1	141.4 m2 SA515Gr.70 Horizontal Residue Gas Compressor after Cooler		R	AEM	SA515Gr.70 Thk -25mm	SA179 (Smls)	SA266CL.2	SA515Gr.70 Thk -12mm	670	90	2 Nos. Groove Expand. & Seal Welded	9132	2008		AI / ONGC	
		1	277 m2 SA515Gr.70 Horizontal Regeneration Gas Cooler		R	AEL	SA515Gr.70 Thk - 22 mm	SA179 (Smls)	SA266CL.2	SA515Gr.70 Thk - 12 mm	894	130	2 Nos. Groove Expand. & Seal Welded	16042	2008		AI / ONGC	
		1	1132 m2 SA515Gr.70 Horizontal Propane Refrigerant Condenser		R	AEM	SA515Gr.70 Thk -18mm	SA179 (Smls)	SA266CL.2	SA515Gr.70 Thk -12mm	1336	72	2Nos. Groove Expand. & Seal Welded	39986	2008		AI / ONGC	
		1	159 m2 SA515Gr.70 Horizontal Propane Column Condenser		R	AEM	SA515Gr.70 Thk -12.7mm	SA179 (Smls)	SA266CL.2	SA515Gr.70 Thk -12.7mm	675	55	2 Nos. Groove Expand. & Seal Welded	823138	2008		AI / ONGC	
		1	180 m2 SA515Gr.70 Horizontal Residue Gas Compressor after Cooler		R	AEM	SA515Gr.70 Thk -25mm	SA179 (Smls)	SA266CL.2	SA515Gr.70 Thk -12mm	726	55	2Nos. Groove Expand. & Seal Welded	9931	2008		AI / ONGC	
		1	757 m2 SA515Gr.70 Horizontal Propane Refrigerant Condenser		R	AEM	SA515Gr.70 Thk -16mm	SA179 (Smls)	SA266CL.2	SA515Gr.70 Thk -12mm	1132	60	2Nos. Groove Expand. & Seal Welded	25253	2008		AI / ONGC	
M/s.Industrial Development & Promotion Co.Ltd.		1	33.8 m ² Oil Vent Condenser	SF/ HT/ EXP- III/ 022/ 05 Dated 01.03.2005	C	BEU	SA516Gr.60 Thk - 10 mm	SA179 (Smls)	SA516Gr.60	SA516Gr.60 Thk - 10 mm	748	40	2 Nos. Groove Expand. & Seal Welded	2200	2006	\$16,000	Saipem	16 Weeks from PO Dated

A MEMBER OF J.B.PATEL GROUP OF COMPANIES

LIST OF MAJOR CUSTOMERS FOR HEAT EXCHANGERS

Client	Plant	Unit	Service	P.O. No. & Date	TEMA	TEMA	Metallurgy & Thickness in mm				Shell Diam. (mm)	Tube sheet Thickness (mm)	Tube to Tube, Sheet joint , Expanded / Welded Grooves/ Welded	Empty weight (Kg)	Year of supply	Order Value	Inspection Authority	Contractual Delivery Date
					Class R/C/B	Type	Shell	Tube	Tube sheet	Channel								
M/s. GEA Process Engineering (India) Limited.	M/s.Indian Oil Corporation Limited. (Panipat)	1	SA516Gr.60 / SS304 Horizontal BEM Type Heat Exchanger with Saddle Support , etc (31.156 m2)	LOI Dated 20.08.2007	R	BEM	SA516Gr.60 Thk -10mm	SA213TP304	SA213TP304	SA240Gr304 Thk -6mm	500	50	2 Nos. Groove Expand. & Seal Welded	2500	2008	13,962,150	TUV / Udhy / GEA	15.02.08
		1	SA516Gr.60 / SS304 Horizontal BEM Type Heat Exchanger with Saddle Support , etc. (186.75 m2)		R	BEM	SA516Gr.60 Thk -12mm	SA213TP304	SA213TP304	SA240Gr304 Thk -8mm	860	70	2 Nos. Groove Expand. & Seal Welded	7300	2008			
		1	SS304 Nitogen Heater (Heated by Hexane Vapour) (32.546 m2 x 3)m2		R	Rectangular Design	SA240Gr.304 Thk -10mm	SA213TP304	SA213TP304	SA240Gr.304 Thk -10mm	1900 W x 2000 L	30	2 Nos. Groove Expand. & Seal Welded	3645	2008		TUV / Udhy / GEA	
		1	SS304 Nitogen Heater (Heated by Low Low Pressure Steam) (45.44 m2)		R	Rectangular Design	SA240Gr.304 Thk -10mm	SA213TP304	SA213TP304	SA240Gr.304 Thk -10mm					2008		TUV / Udhy / GEA	
M/s. GEA Process Engineering (India) Limited.	M/s.Nagarjuna Fertilizers & Chemicals Limited.	1	754 m2 SA240Gr.304 / SA516Gr.60 NXN Type Horizontal Heat Exchanger.	LOI DATED 15.07.08	C	NXN	SA240Gr.304 Thk -10mm	SA213TP304	SA213TP304	SA516Gr.60 Thk -14mm	1420	75	2 Nos. Groove Expand. & Seal Welded	27000	2009	11,803,833	TUV / GEA	2009
		1	4.9 m2 SA240Gr.304 / SA516Gr.60 BEM Type Horizontal Heat Exchanger , etc.		C	BEM	SA240Gr.304 Thk -12mm	SA213TP304	SA213TP304	SA516Gr.60 Thk -8mm	200	32	2 Nos. Groove Expand. & Seal Welded	500	2009		TUV / GEA	
		1	4.9 m2 SA240Gr.304 / SA516Gr.60 BEM Type Horizontal Heat Exchanger.		C	BEM	SA240Gr.304 Thk -10mm	SA213TP304	SA213TP304	SA516Gr.60 Thk -8mm	200	32	2 Nos. Groove Expand. & Seal Welded	500	2009		TUV / GEA	
M/s.Oman Formaldehyde Chemical Co.		1	33 m ² Oil Vent Condenser	OFC/ UCE/ 002/ 06 Dated 13.08.2006	C	BEU	SA516Gr.60 Thk - 10 mm	SA179 (Smls)	SA516Gr.60	SA516Gr.60 Thk - 10 mm	748	40	2 Nos. Groove Expand. & Seal Welded	2200	2006	3,466,735	By Client	31.03.07
		1	43 m ² Excess Water Evaporator		C	BKU	SA240Gr.316 Thk - 8 mm	SA213TP316 (SMLS)	SA240Gr.316	SA516Gr.60 Thk - 10 mm	1050	60	2 Nos. Groove Expand. & Seal Welded	2600	2006			

A MEMBER OF J.B.PATEL GROUP OF COMPANIES

LIST OF MAJOR CUSTOMERS FOR HEAT EXCHANGERS

Client	Plant	Unit	Service	P.O. No. & Date	TEMA	TEMA	Metallurgy & Thickness in mm				Shell Diam. (mm)	Tube sheet Thickness (mm)	Tube to Tube, Sheet joint , Expanded / Welded Grooves/ Welded	Empty weight (Kg)	Year of supply	Order Value	Inspection Authority	Contractual Delivery Date		
					Class R/C/B	Type	Shell	Tube	Tube sheet	Channel										
M/s. Hindustan Petroleum Corporation (India) Limited.	Mumbai Refinery	2	SA516Gr.60 / SA 240 S32750(Super Duplex) Horizontal AEU Type Heat Exchanger with Saddle Support , etc	8000044-OQ-10004	R	AEU	SA516Gr.60 Thk -14mm	SA 789 S32750(Super Duplex Smls)	SA182Gr.F 53	SA 240 S32750(Super Duplex) Thk -10mm	300	55	2 Nos. Groove Expand. & Seal Welded	1800	2009	16,902,000	AI	2009		
		2	SA516Gr.60 / SA 240 S32750(Super Duplex) Horizontal CEU Type Heat Exchanger with Saddle Support , etc		R	CEU	SA516Gr.60 Thk -22mm	SA 789 S32750(Super Duplex Smls)	SA182Gr.F 53	SA 240 S32750(Super Duplex) Thk -8mm	400	95	2 Nos. Groove Expand. & Seal Welded	3000	2009					
		2	SA516Gr.60 / SA 240 S32750(Super Duplex) Horizontal CEU Type Heat Exchanger with Saddle Support , etc		R	AEU	SA516Gr.60 Thk -12mm	SA 789 S32750(Super Duplex Smls)	SA182Gr.F 53	SA 240 S32750(Super Duplex) Thk -14mm	400	55	2 Nos. Groove Expand. & Seal Welded	2500	2009					
M/s. Mallak Specialities Pvt. Ltd.		1	160 m2 SS304 / CS BEM Type Horizontal Shell & Tube Heat Exchanger	CAP/ 126 Dated 20.12.2007	C	BEM	SA240Gr.304 Thk -5mm	SA213TP304	SA240Gr.304	IS2062Gr.A Thk -8mm	710	32	2 Nos. Groove Expand. & Seal Welded	30257	2008	1,710,000	By Client	28.02.08		
		1	20 m2 SS304 / CS BEM Type Horizontal Shell & Tube Heat Exchanger		C	BEM	SA537Cl.1 Thk -20mm	SA334Gr.1	SA350 Gr.LF2	SA537Cl.1 Thk -32mm	1490	155	2 Nos. Groove Expand. & Seal Welded	30257	2008				2,40,000	
M/s. Jubail Chemical Industries Company Kingdom of Saudi Arabia	Epoxy 60 K Expansion	1	24.3 m ² Distillate Heater	4700000078 Dated 19.10.2005	R	BEM	SA106 Gr.B Std.Sch	SA213TP304 (Smls)	SA336Gr.304	SA240Gr.304 Sch -10s	300 NB	54	2 Nos. Groove Expand. & Seal Welded	950	2006	6,89,250	LRIS	15.02.06		
		1	236 m ² Resin Reactor Primary Condenser	4700000055 Dated 26.09.2005	C	BEM	SA516Gr.60 Thk-12 mm	SA213TP316L (Smls)	SA240Gr.316L	SA240Gr.316L Thk - 8 mm	1150	60	2 Nos. Groove Expand. & Seal Welded	6900	2006				39,65,148	LRIS
		1	30.3 m ² Resin Reactor Secondary Condenser		C	BEM	SA516Gr.60 Thk - 8 mm	SA213TP316L (SMLS)	SA240Gr.316L	SA240Gr.316L Thk - 5 mm	450	35	2 Nos. Groove Expand. & Seal Welded	1070	2006					

A MEMBER OF J.B.PATEL GROUP OF COMPANIES

SUPPLY LIST FOR MAXIMUM CAPACITY VESSELS / REACTORS

Client	Project	P.O. No. & Date	Item Description	Service	Code of Construction	Metallurgy & Size						Empty Weight Tons	Order Value	Inspection Authority	Contractual Delivery Date
						Shell			Top Dish End	Bottom Dish End					
M/s. National Aerospace Laboratories.		ACD/ 60/ 06- 07 Dated 08.06.2007	214,000 Ltrs Capacity SA516Gr.70 Atoclave with Saddle Supports with Body Flange. Design Pressure = 7.85 Kg/cm ² g, Design Temp. = 260 °C , Corrosion Allowance = 3.2 mm	Nitogen	ASME	MOC	ID mm	Ht. WL to WL	Thk. mm	Thk. mm	Thk. mm	90	1,30,61,000	Llyods / By Client	
						SA516Gr.70	4900	10000	20	25	25				
M/s. Jubail Chemical Industries Company Kingdom of Saudi Arabia	Hassad	4700000139 Dated 26.01.2006	101,000 Ltrs Working Capacity SA516Gr.70 Plant Air Reciever with Skirt Support Design Pressure = 28.6 kg/cm ² g , Design Temp. = 70 °C , Corrosion Allowance = 3 mm	Nitogen Storage	ASME	SA516Gr.70	3400	9900	45	50	50	60	57,40,840	By Saipem India Project Services Ltd. Chennai	07.09.06
			143000 Ltrs Working Capacity BQ Plant Air Reciever with Skirt Support Design Pressure = 9.8 kg/cm ² g , Design Temp. = 70 °C , Corrosion Allowance = 3 mm	Instrument Air	ASME	SA516Gr.70	3800	11300	20	20	20	35	20,34,395		
			46000 Ltrs Working Capacity BQ Plant Air Reciever With Skirt Support Design Pressure = 9.8 kg/cm ² g , Design Temp. = 70 °C , Corrosion Allowance = 3 mm	Plant Air	ASME	SA516Gr.70	2600	7700	16	18	18	15	12,69,675		
		14000 Ltrs Working Capacity SA240Gr.316L Acetic Acid Separator Design Pressure = 11 kg/cm ² g , Design Temp. = 150 °C , Corrosion Allowance = 3 mm	Acetic Acid Separator	ASME	SA240Gr.316L	1700	5540	14	22	14	17	48,99,580			
		4700000078 Dated 19.10.2005	8500 Ltrs Working Capacity SA240Gr.316L Premix Vessel [Design Pressure = 1.94 kg/cm ² g / F.V., Design Temp. = 100 °C, Corrosion Allowance = 0 mm	ECH+BPA (Flab.Expl)	ASME	SA240Gr.316L	2200	3300	12	14	14	4.5	16,06,944	Llyods / Saipem	15.02.06
M/s. Oman Formaldehyde Chemical Co.		OFC/ UCE/ 002/ 06 Dated 19.08.2006	25000 Ltrs Working Capacity BQ Nitrogen Reciever (Horizontal Reciever) Design Pressure = 10 kg/cm ² g , Design Temp. = 70 °C , Corrosion Allowance = 1 mm	Instrument Air	ASME	SA516Gr.70	1900	8920	12	12	12	7.5	15,63,775	By Client	29.01.07
M/s. Industrial Development & Promotion Co. Ltd.		SF/ HT/ EXP- III/ 002/ 05 Dated 01.03.2005	20000 Ltrs Working Capacity SA240Gr.321H Catalytic Incinerator with Grating & Wire Mesh ,Leg Support, Design Pressure = 0.1 kg/cm ² g , Design Temp. = 538 °C , Corrosion Allowance = 0 mm		ASME	SA240Gr.321H	2700	2145	8	10	10	5	60,000	Design / Drwaing Approved by Halder Topse / Inspection By Client	22 Weeks from P.O. Date
			12290 Ltrs Working Capacity SA516Gr.70 Oil Separator Grating & Wire Mesh,Internals,Skirt Support, Design Pressure = 5 / -1 kg/cm ² g , Design Temp. =330 °C , Corrosion Allowance = 1.6 mm		ASME	SA516Gr.70	2000	2450	12	10	10	7			

A MEMBER OF J.B.PATEL GROUP OF COMPANIES

PARTIAL SUPPLY LIST FOR HIGH PRESSURE AUTOCLAVES/HYDROGENERATOR SUPPLIED

Client	P.O. No. & Date	Item Description	Service	Code of Construction	Metallurgy & Size				Shell, Top & Bottom Dishend Thk	Empty Weight Tons	Order Value	Inspection Authority	Contractual Delivery Date	
					Shell	Dish End	Nozzle	Flanges	mm					
M/s.Alpanil Industries	ALP2/ 23/ 2007-08 Dated 14.02.2008	10000 Ltrs Working Capacity SA240Gr.316 Hydrogenerator with with Top & Bottom 2:1 Ellipsoidal Dishend, SA240Gr.304 Limpet Coil, SS316 Internal Coil, Inline Helical Bonfiglioli Make Flange Mounted Gear Box, 4 Nos.CS Lug Support, Crompton / Bharat Bijlee M	Hydrogenation	ASME	SA240Gr.316	SA240Gr.316	SA312TP316	SA182F316	20 Thk	8	4,500,000	By Client	13.06.2008	
					2150 I/D	Top - 2:1 Ellipsodal	Sms	SORF	22 Thk					
					1250 Ht.WL to WL	Bottom 2:1 Ellipsodal			22 Thk					
M/s.Jubilant Organsys Ltd.	206323 Dated 29.10.2004	5 KL SS316 Jacketed Reactor With 50 NB x Sch80s (Sms) Dual Internal Coil, Insulation & SS304 Cladding, With Double Mechanical Seal With Forced Lubrication,Gas Induction & Drive Assembly. [Design Pressure = 76 kg/cm ² g, Design Temp. = 300 °C]	Hydrogenation	ASME	SA240Gr.316	SA240Gr.316	SA312TP316	SA182F316	65 Thk	18	60,30,000	LRIS / Client / Jacobs	5 Months from LOI	
					1190 I/D	Top - Hemispherical	Sms	WNRF	36 Thk					
					1250 Ht.WL to WL	Bottom Hemispherical			36 Thk					
M/s.Maize Products Ltd.	CP/ 116 Dated 25.10.2005	22 KL (SA516Gr.70+SS316 Explosion Bonded) Reactor With SS316 80 NB xSch80s (Sms) Internal Coil, With Double Mechanical Seal,Gas Induction Agitator & Drive Assembly. [Design Pressure - 43 kg/cm ² g, Design Temp. - 160 °C]	Hydrogenation / For Sorbitol	ASME	SA516Gr.70+SS304 Explosion Bonded	SA240Gr.316	SA312TP316	SA182F316	(50 + 4) Thk	36	61,00,000	By Client	01.05.06	
					2700 I/D	Top - 2:1 Ellipsodal	Sms	WNRF	(50 + 4) Thk					
					3000 Ht.WL to WL	Bottom 2:1 Ellipsodal			(50 + 4) Thk					
M/s.Dishman Pharmaceutical & Chemicals Limited	PO/ DPCL/ BVL/ PROJ/ 64/ 2001-02 Dated 02.06.2001	10 KL (SA240Gr304+Hastelloy C - 22 Explosion Bonded) Jacketed Reactor With Insulation & SS304 Cladding,Double Mechanical Seal With Forced Lubrication,Agitator & Coplete Drive Assembly. [Design Pressure - 20 kg/cm ² g, Design Temp. - 160 °C]	Ammoniation	ASME	SA240Gr3470+Hastelloy C-22 (SB 575 UNS NO 6022) Explosion Bonded.	SB 622 UNS NO 6022	SA182F304+ Hastelloy C-22 Weldoverlay	SORF	(16+4.76) Thk	11	74,00,000	By Client	16 Weeks	
					2040 I/D				Top - 2:1Ellipsodal					(20+4.76) Thk
					2400 Ht.WL to WL				Bott. 2:1Ellipsodal					(20+4.76) Thk
M/s.Sajjan India Ltd.	SE400013 Dated 15.03.2005	4 KL SS316L Limpeted & Jacketed Reactor With Double Mechanical Seal With Pitched Blade Agitator & Drive Assembly. [Design Pressure - 26/ F.V kg/cm ² g, Design Temp. - 300 °C]	Hydrogenation	ASME	SA240Gr.316L	SA240Gr.316L	SA312TP316L	SA182F316	40 Thk	10	3,160,000	By Client / Chempro.	12- 14 Weeks from P.O. Date	
					1700 I/D	Top - 2:1 Ellipsodal	Sms	WNRF	40 Thk					
					1700 Ht.WL to WL	Bott. 2:1Ellipsodal			40 Thk					
M/s.Gujrat Ambuja Ltd.	GAEL/ PUR/ 0079/ 2003 Dated 22.04.2004	16 KL (SA516Gr.70+SS316 Explosion Bonded) Reactor With SS316 80 NB xSch80s (Sms) Internal Coil, With Double Mechanical Seal,Gas Induction Agitator & Drive Assembly. [Design Pressure - 40 kg/cm ² g, Design Temp. - 160 °C]	Hydrogenation / For Sorbitol	ASME	SA240Gr.316	SA240Gr.316	SA312TP316	SA182F316	(38+3.15) Thk	20	45,00,000	By Client	Within 14 Weeks	
					2300 I/D	Top -2:1 Ellipsodal	Sms	WNRF	(38+3.15) Thk					
					3000 Ht.WL to WL	Bott. 2:1Ellipsodal			(38+3.15) Thk					
M/s.Gujrat Ambuja Ltd.	GAEL/ PUR/ 0079/ 2003 Dated 22.04.2004	19 KL (SA516Gr.70+SS316 Explosion Bonded) Reactor With SS316 80 NB xSch80s (Sms) Internal Coil, With Double Mechanical Seal,Gas Induction Agitator & Drive Assembly. [Design Pressure - 40 kg/cm ² g, Design Temp. - 160 °C]	Hydrogenation / For Sorbitol	ASME	SA516Gr.70+SS304 Explosion Bonded	SA240Gr.316	SA312TP316	SA182F316	(38+3.15 Thk	22	45,00,000	By Client	Within 14 Weeks	
					2500 I/D	Top -2:1 Ellipsodal	Sms	WNRF	(42+3.15) Thk					
					3000 Ht.WL to WL	Bott. 2:1Ellipsodal			(42+3.15) Thk					
M/s.Hans intermediate Ltd.	P.O.No. NIL Dated 05.03.2005	10 KL SS316 Limpeted Reactor With 80 NB x Sch40s Dual SS316 Internal Cooling Coils, With Double Mechanical Seal With Gas Recirculation / Induction Agitator. [Design Pressure - 17/ F.V kg/cm ² g, Design Tempertaure - 150 °C]	Hydrogenation	ASME	SA240Gr.316	SA240Gr.316	SA312TP316	SA182F316	16 Thk	8	38,00,000	Jacobs	12- 14 Weeks form P.O.	
					2300 I/D	Top - 2:1 Ellipsodal	Sms	WNRF	16 Thk					
					2500 Ht.WL to WL	Bott. 2:1Ellipsodal			16 Thk					