

Paramount Limited

Manufacturing Facilities

Product List



PARAMOUNT

<p><u>BIOLOGICAL TREATMENT</u> Aerator Bio Tower / Trickling Filter Bio Tower / Trickling Filter Arms Bio Tower Media Activated Sludge Process Sequential Bio Reactors (SBR) Membrane Bio Reactors (MBR) Anaerobic Process</p>	<p><u>EMISSION CONTROL SYSTEMS</u> High Efficiency Venturi Scrubber High Efficiency Air Filter (HEAF) Cleanable High Efficiency Air Filter (CHEAF) Flue Gas Desulphurization Systems (FGD) With Double Alkali System Vertical Spray Baffle Scrubber/Disc & Donut Odour Control Horizontal Spray Baffle Scrubber Packed Bed Scrubber VOC Treatment System Quench Tower Entrainment Separator</p>	<p><u>FLOCCULATORS</u> Paddle Flocculators Coiled Pipe Flocculators</p>	<p><u>STRIPPERS & DEGASSERS</u> Air / Steam Strippers Degasser Tower</p>
<p><u>OIL – WATER SEPARATORS</u> API TPI (Tilted Plate Interceptor) CPI (Corrugated Plate Interceptor) TPF (Tilted Plate Flotator) CPF (Corrugated Plate Flotator) DAF (Dissolved Air Floatation) Membrane based Oil Water Separators</p>	<p><u>CLARIFIERS & THICKENERS</u> Primary Clarifier Secondary Clarifier Reaction Clarifier High Rate Solid Contact Clarifier Sludge Blanket Clarifier Clariflocculator Thickener Picket Fence Thickener TPS (Tilted Plate Solid) Separators Tube Settlers</p>	<p><u>MIXERS, AGITATORS & CLASSIFIERS</u> Propellers Turbine Mixers Paddle Mixers Lime Slaker Classifiers Static Mixers</p>	<p><u>FILTRATION</u> Gravity Sand Filter Pressure Sand Filter Side Stream Filter Activated Carbon Filter Dual Media Filter Walnut Shell Filter Rotary Drum Filter Cartridge Filter Auto Backwash Filter</p>
<p><u>RESIN BASED SYSTEMS</u> Ion Exchangers De-Mineralized Water Softening Units Condensate Polishing Unit Cooling Tower Blow Down Treatment and Reuse System</p>	<p><u>MEMBRANE BASED SYSTEMS</u> Ultra Filtration Micro Filtration Nano Filtration Reverse Osmosis Ultra Pure Water Plant</p>	<p><u>PRESSURE VESSELS & HEAT EXCHANGERS</u> Tanks, Pressure Vessels, Columns & Internals Shell & Tube Heat Exchangers Multiple Effect Evaporator System Waste Heat based Evaporation System</p>	<p><u>SPECIAL PACKAGE SYSTEMS</u> Package Sewage Treatment Plants Produced Water Treatment & Re-Injection System Wet Air Oxidation Hazardous Solid & Liquid Waste Incineration System Oily Sludge Bioremediation Skid Mounted Systems Gas Gathering Station De-carbonated Water Plant</p>

Unit - 1

Polcon Equipments Limited

(Vessels, Columns & Heat Exchangers)

Part of **Paramount Group**



PARAMOUNT

**SHED NO. 521 G.I.D.C.,
MAKARPURA, VADODARA 390010,
GUJARAT, INDIA**



Company Profile



PARAMOUNT

Company is run by Highly Experienced and Professional Technocrats and is Engaged In the field of Design, engineering and Fabrication of Chemical Process Equipments and Storage Vessels Since 1993 Especially for Petrochemicals, Refineries, Oil fields, Offshore, Fertilizer, Pharmaceuticals, Power, Pesticides, Mining, Metallurgy sector.

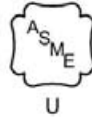


Polcon Equipments Limited is a “ U ” Stamp ASME Authorized Manufacturer of Pressure Vessels. We believe in "Quality and Timely Delivery“.

ASME U Code Stamp Accreditation



PARAMOUNT



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 Single 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 Single Certification Mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

PARAMOUNT LIMITED
Manufacturing Unit-1
Shed No. 521, GIDC, Makarpura
Vadodara, Gujarat 390 010
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: **September 14, 2021**

EXPIRES: **September 14, 2024**

CERTIFICATE NUMBER: **36036**

Board Chair, Conformity Assessment

Managing Director, Conformity Assessment

The American Society of Mechanical Engineers



ASME S Code Stamp Accreditation



PARAMOUNT



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 Single 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 Single Certification Mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

PARAMOUNT LIMITED
Manufacturing Unit-1
Shed No. 521, GIDC, Makarpura
Vadodara, Gujarat 390 010
India

SCOPE:

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

AUTHORIZED: **September 14, 2021**

EXPIRES: **September 14, 2024**

CERTIFICATE NUMBER: **36035**

Board Chair, Conformity Assessment

Managing Director, Conformity Assessment

The American Society of Mechanical Engineers



R Mark Authorization of National Board of Boiler & PV Inspectors



PARAMOUNT

THE NATIONAL BOARD OF BOILER & PRESSURE VESSEL INSPECTORS

Certificate of Authorization



This is to certify that

PARAMOUNT LIMITED
Manufacturing Unit-1
Shed No. 521, GIDC, Makarpura
Vadodara, Gujarat 390 010
India

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: 6957

Issue Date: September 23, 2021

Expiration Date: September 14, 2024

Executive Director



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

***Certificate of Authorization
to Register***



This is to certify that

**PARAMOUNT LIMITED
Manufacturing Unit-1
Shed No. 521, GIDC, Makarpura
Vadodara, Gujarat 390 010
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
Issue Date:	September 29, 2015
Revision Date:	September 14, 2021

*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



ISO 9001 : 2015 Certificate



PARAMOUNT



Management Service

CERTIFICATE

The Certification Body
of TÜV SÜD Management Service GmbH

certifies that



Paramount Limited
Paramount Complex, Gotri Road, Vadodara - 390 007, Gujarat, INDIA

has established and applies
a Quality Management System for

Process Design, Engineering, Procurement and Construction of
Process Plants and Projects in the Field of Environmental Management,
such as Water and Waste Water Treatment & Recycling, Desalination,
Air Pollution Control, Solid and Hazardous Waste Management and Operation and
Maintenance of these plants.
Sales & Marketing and Design & Engineering of Water & Waste Water Treatment Equipments
Maintenance of these plants. Sales & Marketing and Design & Engineering of Water & Waste
Water Treatment Equipments.

An audit was performed, Order No. **4153581761**.

Proof has been furnished that the requirements
according to

ISO 9001:2015

are fulfilled.

The certificate is valid from **2021-08-04** until **2024-08-03**.

Certificate Registration No.: **12 100 9769 TMS**.

Head of Certification Body
Munich, 2021-08-05



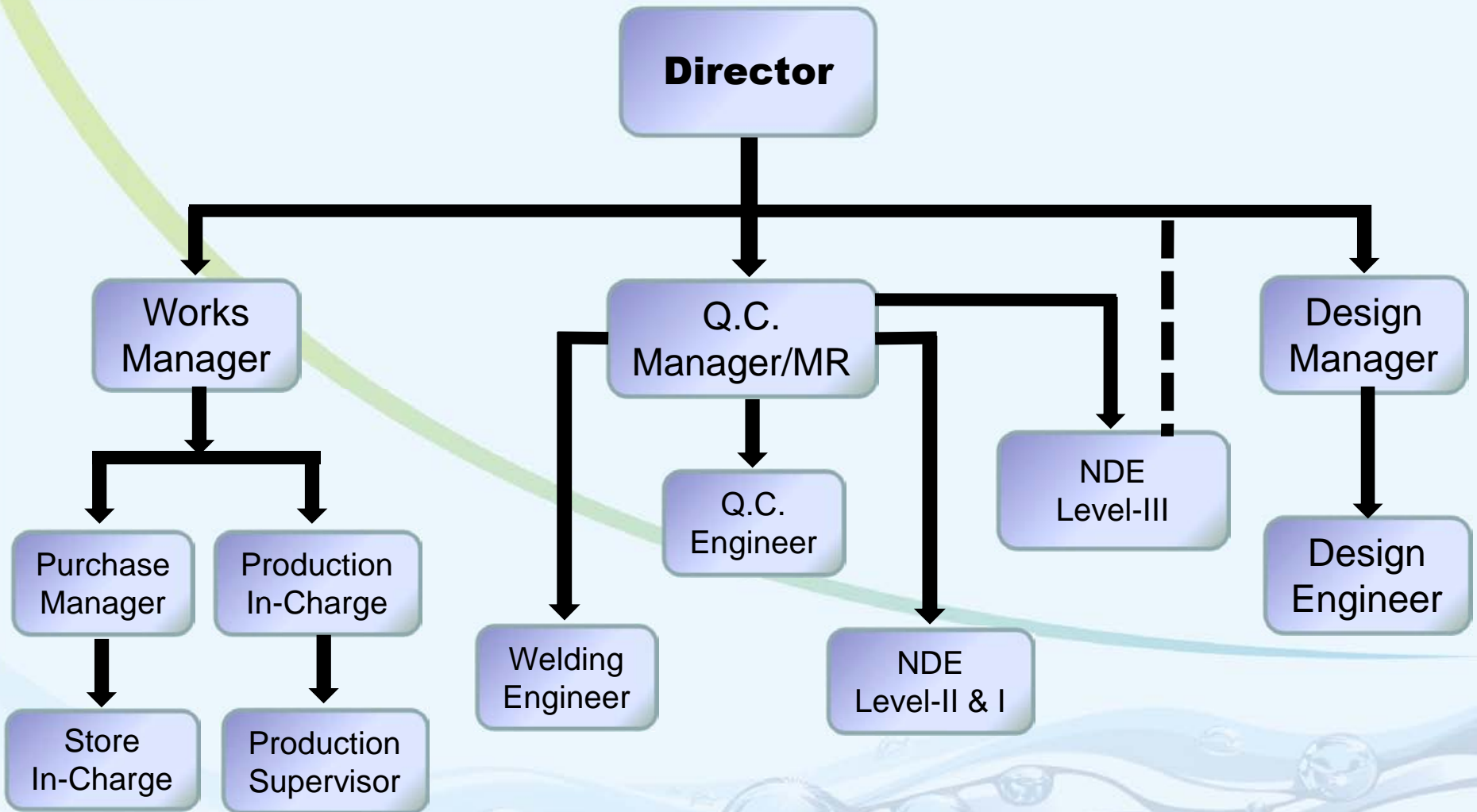
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Organization Chart



PARAMOUNT



Services Offered



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- Design, Manufacture & Supply of Pressure Vessels, Reactors, Heat Exchanger, Column, Scrubbers, Focculators, Drum Filters, Vacuum Filters, Incinerators
- Design, Manufacture & Supply of Piping for Process Plants.



Items Manufactured



PARAMOUNT

- Saturation Vessel (Under “U” Stamp)
- Air Receiver (Under “U” Stamp)
- Volume Bottles (under “U” Stamp)
- Pressure Sand Filter
- Activated Carbon Filters
- Pressure Vessels
- Columns
- Heat Exchangers
- Storage Tank
- Exhaust Stack
- Absorption Tower & Tank
- Scrubber
- Ducting
- Skid Mounted Plants
- Reactors



Reaction Clarifier

Technical Capabilities



PARAMOUNT

Annual Capacity	Installed : Carbon Steel – 750mt Stainless Steel – 150mt
Code/ Standard Followed	ASME Section-VIII DIV-1, Section-I, Section-II, Section-V, Section-IX, IS282 IS803. Tema, API 650/620 etc
Inspection Agencies Dealt	LRS, EIL, PDIL, KVERNER, UHDE, TOYO, HSBC, DNV, BVIS, PDIL, SGS, NPC, JACOBS H&G, TUV, DCL, ATS, ABS, TPL.
Certificate of Authorization	ASME Certification Mark “ U ” ASME Certification Mark “ S ” “ R ” Stamp “ NB ” Stamp ISO 9001:2008

Material Handling Capability



PARAMOUNT

Quality	Thickness	Specification
Carbon Steel	60 MM	SA 105, SA 515 GR. 60/70, SA 516 GR. 60/70, SA 106 & EN Series Material
Stainless Steel	50 MM	SA 240, SA 312, SA 182, SA 479
Stainless Steel (Special)	10 MM	SMO 254 (Avesta Make) (20 CR. 18 NI - 6 MO)
Titanium	12 MM	Titanium (B 265 GR.2)

List of Standards Available



PARAMOUNT

- ASME SEC I - Edition-2013
- ASME SEC II PART A - Edition -2013
- ASME SEC II PART B - Edition -2013
- ASME SEC II PART C - Edition -2013
- ASME SEC II PART D - Edition -2013
- ASME SEC V - Edition -2013
- ASME SEC VIII DIV-1- Edition -2013
- ASME SEC IX - Edition -2013
- National Board Inspection Code - Edition -2013
- SNT-TC-1A -2006
- TEMA

List of Machineries



PARAMOUNT

- Plate bending (Rolling) machine “Himalaya make” 2.5 mtr Wide X 30 mm thk. Capacity Power - 1 no.
- Hacksaw (Jaswant make) - 1 no.
- Siddhapura Industries make drill machine - 2 nos.
- Zen-air single stage Air Compressor Horizontal - 1 no.
- Metal Cutting Bandsaw (Laxmen make) – 1 no.
- “Simplex” make EOT Cran- 20 mt Capacity - 1 no.
- Hand operated overhead cranes - 10 mt. Capacity - 2 no.
- Hydro crane – 8 mt Capacity - 1 no.
- V-weld” make Rotator – 10 mt Capacity – 2 no.
 - 20 mt Capacity – 3 no.
 - 30 mt Capacity – 1 no.

List of Machineries



PARAMOUNT

- Thyristor controlled welding rect. (make “ESAB”)
400 amp -7 nos.
- Mig welding rectifiers (make “Esab”) 400amp “Warpp”
make - 2 nos.
- Air Plasma Cutting equpt. For S.S.Cutting Upto
20 mm thk. - 1 no.
- “Quality Engineering” - make Plasma cutting equipments for
S.S. Cutting Upto 50 mm thk. (Nitrogen Gas) -2 nos.
- TIG welding Set - 2 nos.
- Motorized Hydro Test Pump Capacity 0-1000psi - 1 no.

List of Machineries



PARAMOUNT

- Chain Pully Block (5 mt. Capacity) - 2 nos.
- Hydro Test Pump 0 - 1000psi - 2 nos.
- Flexible Shaft Grinding Machine - 3 nos.
- Bench Grinder - 1 no.
- Angle/Straight Grinding Machine - 12 nos.
- Gas Cutting Set for C.S. - 4 nos.
- Pug Cutting Set - 3 Set
- Exhaust Fan - 3 nos.
- Electric Drying Oven - 2 nos.
- Portable Drying Oven - 5 nos.

Inspection Agencies Dealt with



PARAMOUNT

- Engineers India Limited
- Certification of Engineers India Limited
- TUV SUD
- Shell Netherlands
- HSBC
- Bureau Veritas Industrial Services (I) P. Ltd
- Tata Consulting Engineers
- Lloyd's Register Asia
- Abs Industrial Verification (India) Pvt. Limited
- Det Norske Veritas
- Fact Engg. and Design Organisation
- SGS (I) P. Ltd
- Uhde India Limited
- Jacobs Engineering (I) Pvt. Ltd.
- Nuclear Power Corporation
- ABB Lumus, Netherlands

Testing & Instrument Facilities



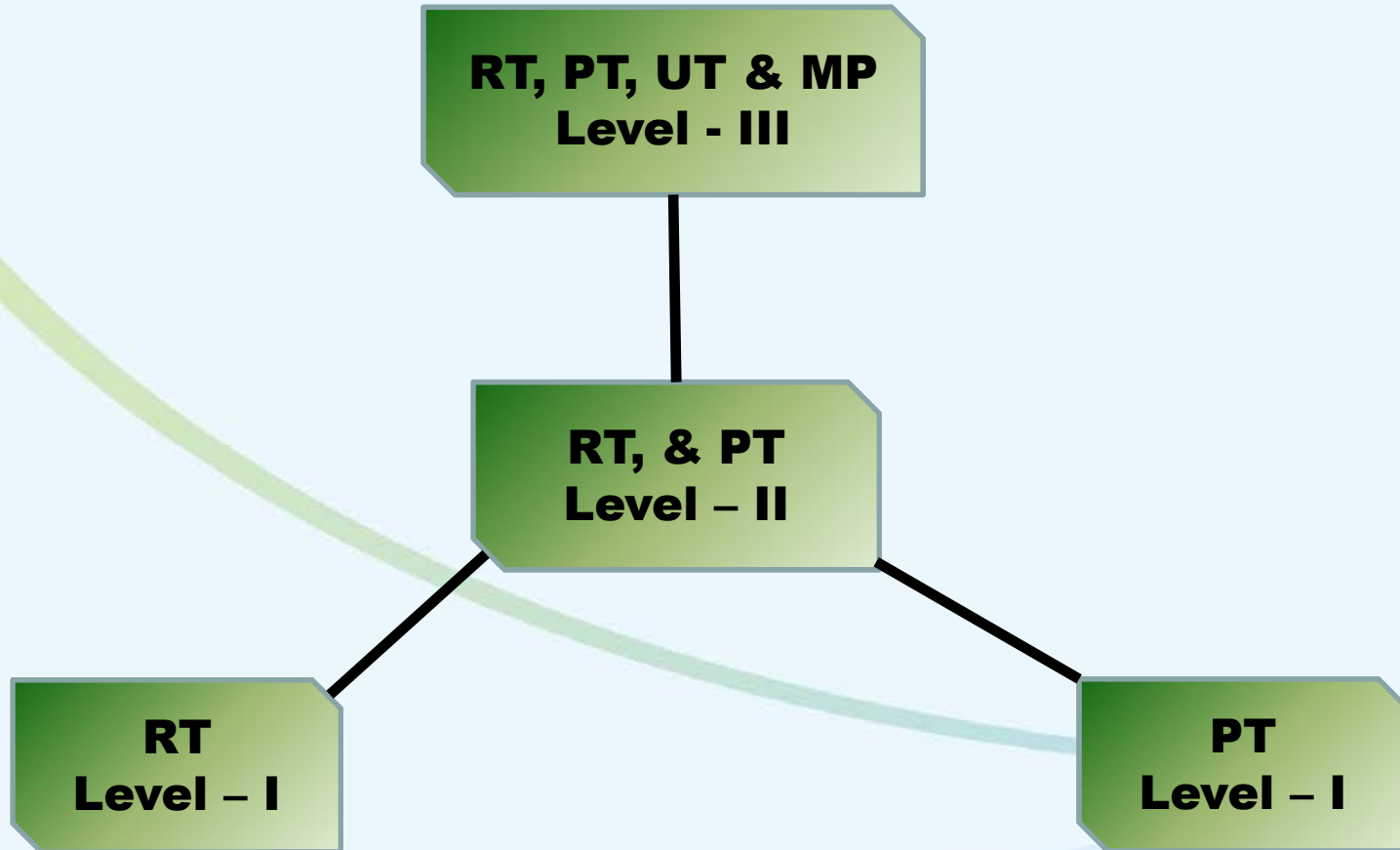
PARAMOUNT

- Digital Ultrasonic Thickness meter
- Digital Coating Thickness meter
- Dye Penetration test
- Digital Thermometer with Sensor
- Densito meter JC-81 with Calibrated Density Strip
- Digital Lux meter – 2,000 To 50,000 Lux
- Hydro test recodered
- Dark Room for Radiography – We hire the Radiography Services
- Gauge Comparator
- Digital Hydro Thermometer
- Densito Meter Strip
- Digital AC/DC Clamp Meter

NDT Personnel



PARAMOUNT

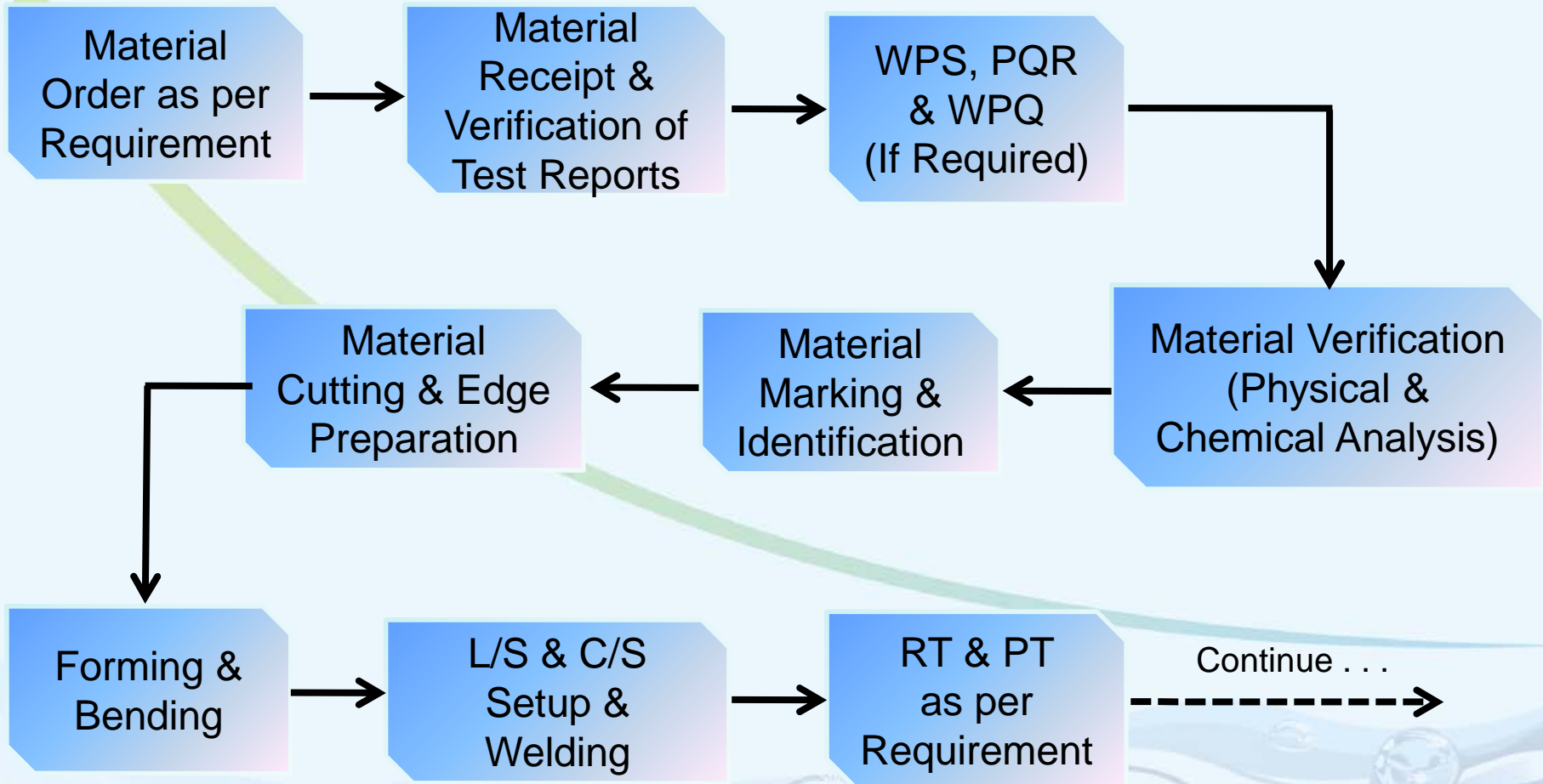


Standard Manufacturing Sequence

(Pressure Vessels)



PARAMOUNT

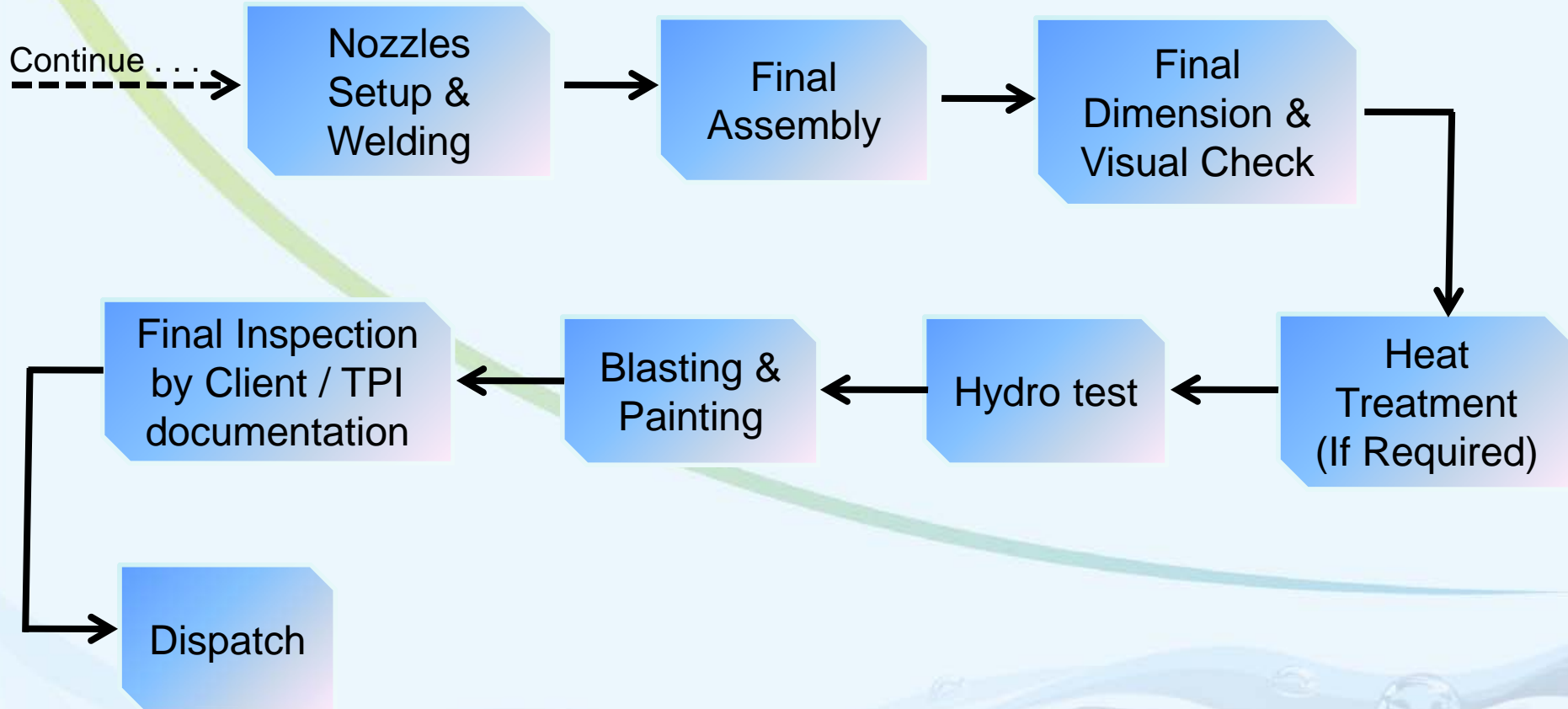


Standard Manufacturing Sequence

(Pressure Vessels)



PARAMOUNT



Saturation Drum (Under “U” Stamp)



PARAMOUNT

Client : ONGC ETP Ankleshwar
Inspection : BVIS & HSBC (AI)



Volume Bottle (Under “U” Stamp)

Client : GAS Import & Storage Project, Dubai

Inspection : HSBC(AI)



Gas Quench (SMO-254)



PARAMOUNT

Client : Swil Copper Jhagadia



Ammonia Steam Stripper



PARAMOUNT

Client : ETP Aonla Expansion

Ammonia Steam Stripper



Pressure Sand & Activated Carbon Filter



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Client : IOCL Panipat



Side Stream Filter



PARAMOUNT

Client : Marun Petrochemical Theran, Iran



Venturi Scrubber



PARAMOUNT

Client : B.S.E.S Chennai



Carbon Filter & Dual Media Filter



PARAMOUNT

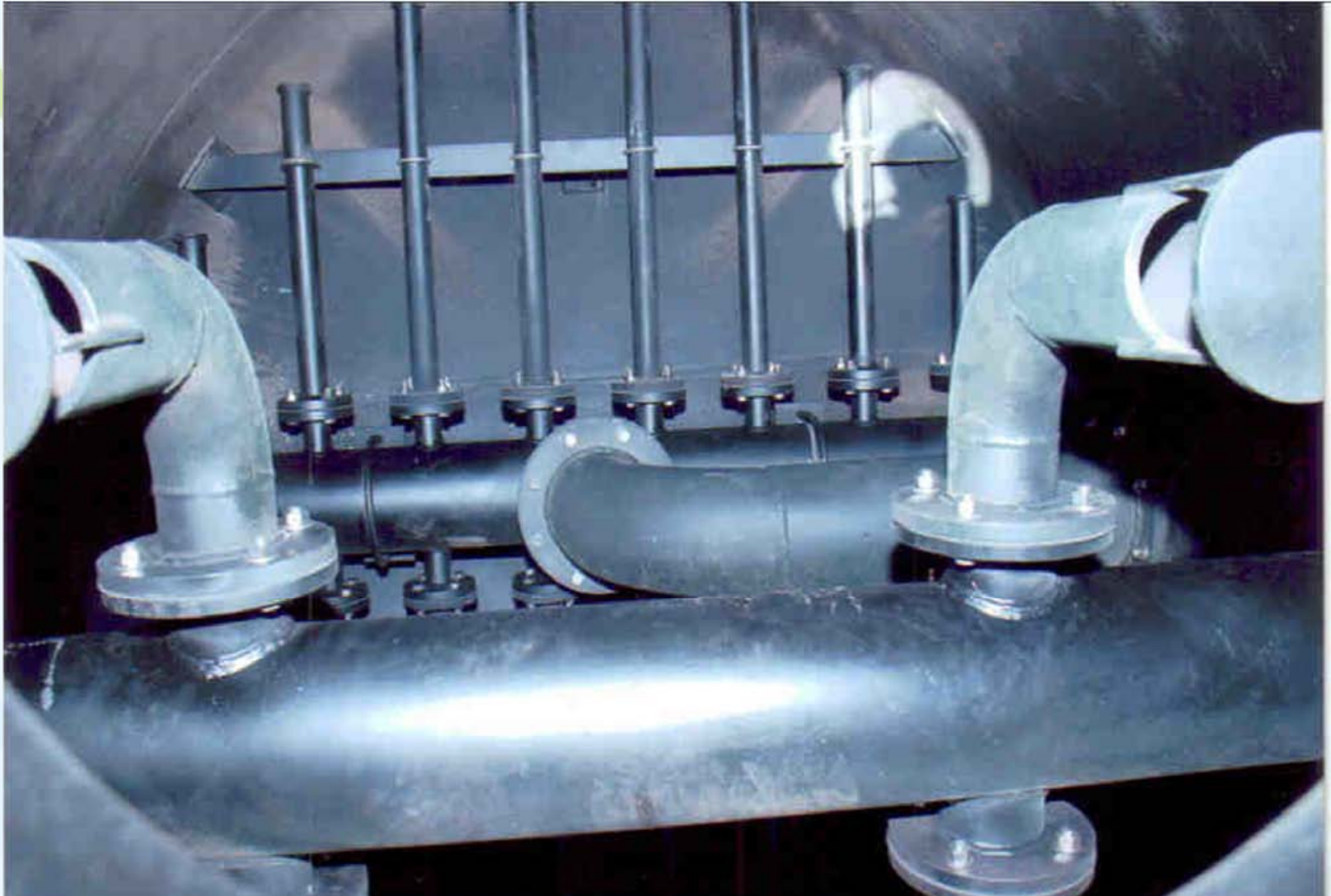
Client : ETP at ONGC, Ankleshwar



Internal for Filters



PARAMOUNT



H₂SO₄ Dosing Drum for Borl Refinery



PARAMOUNT



Surface – Condenser for GACL, Dahej



PARAMOUNT



Heat Exchanger (U – Stamp)



PARAMOUNT

Client : Oman Refineries and Petrochemicals Co.



Instrument Air Receiver 22 M³



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Client : Ingersoll Rand India Ltd.

MOC : SA516GR70

SIZE : 25/28 thick X 1.6 mtr.dia X 13 mtr. Long



Pressure Vessel under dispatch



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Lamella Settler



PARAMOUNT

Client : BIC Group, Singapore



Heat Exchanger & Pressure Vessels (U-Stamp)



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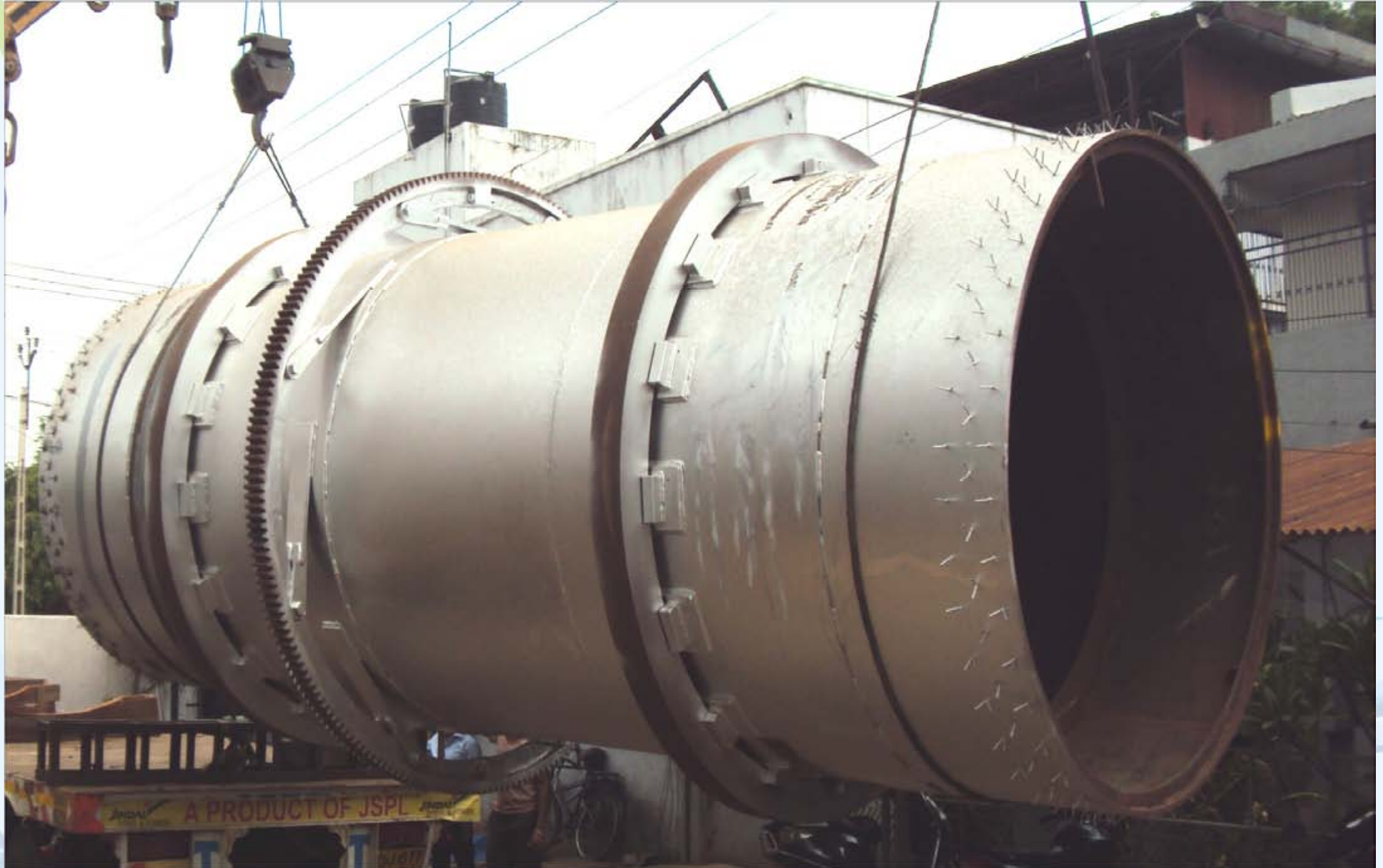
Client : Mangalore Refinery – WAO.



Rotary Kiln Incinerator



PARAMOUNT



Secondary Combustion Chamber for Incinerator



PARAMOUNT



Drives for Clarifier, Bio-Tower etc.



PARAMOUNT



Aerators



PARAMOUNT



Wet Air Oxidation Tower under dispatch



PARAMOUNT



Rotary Vacuum Drum Filter



PARAMOUNT



Disc Filter



PARAMOUNT



Dual Media Filter



PARAMOUNT

**Client : Doosan Hydro,
USA**



Dual Media Filter



PARAMOUNT

Client : Doosan Hydro, USA



Pressure Vessels under dispatch



Client : Doosan Hydro, USA



Pressure Vessels



PARAMOUNT

Client : Doosan Hydro, USA



Pressure Vessels



PARAMOUNT

Client : Doosan Hydro, USA



Side Stream Filter for Cooling Tower



PARAMOUNT

Client : Gammon, India



HDPE Coil Pipe Focculator



PARAMOUNT



S.S. Mist Eliminator



PARAMOUNT



Equipment Supply to Foreign Clients



PARAMOUNT

Client / Project	Eqpt Name	Size of Eqpt.	Inspection by
Marun Petrochemical Company, Theran, Iran	Side Stream Filter	2600 ID X 7400 Long X 12 thk	SGS (I) Ltd.
Bcnc Sulphuric Acid Plant Yanbu, Saudi Arabia	Side Stream Filter	1600 ID X 2650 Long X 10 mm (SS)	TUV
L&t Nalco Acs Colombo –Sri Lanka	Dual Media Filter,	2600 ID X 4200 Long X 12 mm	L&T
	Activated Carbon	-2 nos 2400 ID X 4200 Long X 12 mm	L&T
	Filter, Mixedbed	- 2 nos 2400 ID X 4900 Long X 8 mm -2 nos	L&T

Equipment Supply to Foreign Clients



PARAMOUNT

Client/Project	Eqpt Name	Size of Eqpt.	Inspection by
Gas Import / Export and Storage Dubai, UAE	Volume Bottles (Under "U Stamp)	324 OD X 1425 Long X 10 mm - 2 nos 508 OD X 1970 Long X 10 mm - 3 nos 610 OD X 2495 Long X 10 mm - 2 nos	HSBC(AI)
Andersen -2000inc	Aggregate Sand Silo Aggregate Cement Silo Slacked Lined Storage Bin	2400 ID X 6700 Long X 6 mm 1500 ID X 5700 Long X 6 mm 1800 X 5900 Long X 6 mm	Client

Equipment Supply to Foreign Clients



PARAMOUNT

Client/Project	Eqpt Name	Size of Eqpt.	Inspection by
Doosan Hydro, USA	Dual Media Filter	4200 Dia X 5339 height X 12 mm thk - 3 nos.	Client & IQC
	Mix Bed Polisher	1700 Dia X 4590 height X 6 mm thk – 2 nos.	
	Activated Carbon Filter	1370 Dia X 4554 height X 6 mm thk – 2 nos.	
	Acid Storage Tank	3000 Dia X 5820 height X 8 mm thk – 2 nos.	
	Caustic Storage Tank	3000 Dia X 5420 height X 8 mm thk – 1 no.	

List of Major Clients



PARAMOUNT

1	Manglore Refineries & Petrochemical Ltd. – M.R.P.L.
2	Madras Refineries Ltd.
3	Indian Petrochemicals Corporation Ltd. – I.P.C.L.
4	Gas Authority of India Ltd. – Gail
5	Larsen Toubro Ltd.
6	Oil & Natural Gas Corporation – O.N.G.C
7	Hindustan Copper Ltd. – H.C.L.
8	Reliance Industires – R.I.L.
9	Bhabha Automic Research Centre – BARC
10	Indian Farmers Fertilizers Co-operative Ltd. – IFFCO
11	Hindustan Petroleum Corpn. Ltd. – HPCL
12	Daelim Engineering Ltd. – Del – South Korea
13	Alembic Chemical Ltd.

List of Major Clients



PARAMOUNT

14	Indian Oil Coporation Ltd. – IOCL
15	Orchid Chemicals & Pharamceuticals Ltd.
16	Numaligarh Refinery Ltd.
17	Kirloskar Aaf Ltd.
18	Nicco Corporation Ltd.
19	Swil Ltd.
20	Essar Oil.
21	Gammon India Ltd.
22	Gujarat States Fertilizers & Chemicals – G.S.F.C.
23	Gujarat Narmada Fertilizers Company – G.N.F.C.
24	Indian Oil Tankang – IOTL
25	DHV Water Bv, holland for Krishi Hydrocracker (Russia)
26	Oman Refineries & Petrochemicals Company

Unit - 2

Paramount Technologies Limited

(Skids Manufacturing)

Part of **Paramount Group**

Cartridge Filter



PARAMOUNT



Dosing Skid



PARAMOUNT

Client : Shell Lng Hazira



Dosing Skids



PARAMOUNT

Client : Doosan Hydro, USA



Dosing Skids



PARAMOUNT

Client : Doosan Hydro, USA



Dosing Skids



PARAMOUNT

Client : Doosan Hydro, USA



Condensate Polishing Unit



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Client : BCPL (Petrochemical)



PTR - Skid Mounted-Oil Water Separator



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Client : IOT - Fujairah UAE

Flash Mixture, Pipe flocculator Followed by DAF including dosing systems



Skid Mounted Produce Water treatment Plant



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End User : ONGC Assam

Skid mounted ETP having flash mixture, Flocculator, DAF, Dosing systems followed by PSF & Cartridge filter





- Forced Circulation Evaporator
- Combination of Mechanical or Thermo Vapor Recompression & Pre Heater to Optimize Operation
- Pusher Centrifuge to generate dry solids
- An economical, reliable and simple technology has become the need of the hour for treating the high TDS containing effluents from R.O. plants and process effluents.

- **Project :**

Design, Engineering, Manufacture, Supply, Erection & Commissioning of Waste Water Treatment, Recycle & ZLD System using RO, followed by Stripper, Multi Effect Evaporator with Pusher Centrifuge.

- **Client :**

Mazda Colours Ltd., Roha, Mumbai

- **Capacity of Evaporator :**

7.5 m³/hr

Skid Mounted Softner Unit



PARAMOUNT

End User : SAMREF Refinery, Saudi Arabia
Principal Contractor : Lenntech BV, Netherlands



Ceramic Membrane – Micro Filtration



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Client : Asahi Songwon India Pvt. Ltd. (50 m³/hr)



Micro Filtration Skid



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Client : Meghmani Organics Limited



Ultra Filtration Skid



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Client : Mangalore Refinery (150 m³/hr)



Nano Filtration Skid



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Client : Asahi Songwon India Pvt. Ltd. (25 m³/hr)



Reverse Osmosis Skid



PARAMOUNT

Client : Mangalore Refinery (170 m³/hr)



ETP Recycle Plant (Setup in Factory)



PARAMOUNT

Client : Sandoz



Condensate Polishing Unit



PARAMOUNT

Client : Krishi Hydrocracker, Russia

CONDENSATE POLISHING UNIT(FILTER)
KRISHI HYDROCRACKER (RUSSIA)



Condensate Polishing Unit



PARAMOUNT

Client : Krishi Hydrocracker, Russia



Package Sewage Treatment Plant



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Client : Cairn Energy - India



Skid Mounted ETP



PARAMOUNT

Client : Shell L N G, Hazira



Softener Unit



PARAMOUNT

Client : Sumiyoshi - Singapore



Large Skid Mounted Plants Supplied



PARAMOUNT

Client/Project	Eqpt Name	Inspection by
Krishi Russia	1) Low Pressure Condensate Polishing Unit 2) Mixed Bed Polisher	DHV Water Bv, holland / Abb-lummus
Shell LNG Hazira	Effluent Treatment Plant	Shell, Netherlands
Brahmaputra Cracker & Polymer Ltd., Lepet Kata, Assam	Steam Condensate Polishing Package	Engineers India Limited (EIL)

**Thank
You**

A faint, artistic illustration of a water droplet falling into water, creating concentric ripples. The illustration is rendered in a dark blue, almost black, color and is positioned on the right side of the slide, partially overlapping the text area.