



TARACHANDRA

Engineering Private Limited
An ISO 9001:2008 certified company



INTRODUCTION

We are privileged to introduce our candidature as one of the emerging mechanical construction company involved in the construction of Refineries, Petrochemicals, Power Plant, Gas Pumping stations with Cross country piping, Pharmaceutical & Fertilizer plant for the last 20 years in state of Gujarat, India.

We got incorporated in 1998 and since then, we have been able to materialize ourselves to specialize in jobs pertaining to fabrication & site-erection of Unit as well as OSBL piping of various materials with specialization in very high steam pressure piping (AS P-91), Steel structures, Heaters, Reformers, Pressure Vessels, Flue Ducts, Heavy Equipment, Columns, Chimneys, Tankages and Silos.

A major fraction of our commitments since the last decade has prevailed within M/s **Reliance Industries Limited (RIL)** and M/s **Essar Oil Limited (EOL)** at their respective refineries & petrochemical installations in Gujarat.

Thus, even by playing a minute role in the construction of the world's largest and India's second largest refineries not only have we accumulated a vast knowledge base of mechanical constructability across diverse range of refinery, petrochemical & power processes but also bestowed ourselves with the motivation to instil the best practices concerning health, safety & environment; in order to realize full compliance to our client's set norms on HSE practices and quality policy to maintain an ethical code of conduct during the entire project lifecycle.

AREA OF EXPERTISE

We are a mechanical construction firm and undertake contracts of industrial site fabrication, erection, welding and testing of jobs inclusive engineering manufacture with labours, consumables, tools & plants and with or without material of construction in the following fields.

Area / Services	Design & Engineering	Fabrication/Assembly (Shop/Site)	Erection/Installation	Commissioning
Industrial Piping - Alloy Steel especially P-91, Stainless Steel & Carbon Steel - IBR & Non IBR both	○	●	●	●
Steel Structure	○	●	●	●
Tankages & Silos	●	●	●	●
Heaters, Reformers, Furnace, Heat exchangers & Reboilers		●	●	●
Pressured Vessels, Mounded Bullets and Flue Ducts		●	●	●
Heavy Equipment (Static & Rotary), Columns & Chimneys		●	●	●
Jetty Loader / Unloader Crane with allied equipment & structure		●	●	●

● Services provided In-House

○ Services provided through sub-contracting/third party



HEALTH, SAFETY AND ENVIRONMENT POLICY

Ethics have been primordial to our business

Health and safety of our people along with conservation of the environment for their wellbeing, forms the foundation of our ethics

Commitment

We are committed to providing and maintaining a workplace that is free from risk to the health, safety and wellbeing of our workers, customers, visitors and the general community.

We are also committed to provide services to our clients and operate our assets, in an environmentally responsible manner so that the current as well as our future generations can cherish the benefits of a clean and healthy environment.

Objectives

We will always:

- Comply with the applicable HSE legislation and other statutory requirement to provide the safest possible workplace and systems of work.
- Seek to continuously exceed our health, safety and environment performance objectives and targets
- Endeavouring to develop the culture of resource conservation and pollution prevention.
- Assist injured workers to return to work as soon as possible through the provision of rehabilitation programs and return to work planning.
- Respecting the surrounding community and controlling environmental health hazards arising from operations and events as a result of the projects site activities.

- Considering environmental factors in our planning, development, new projects, investments, operations and services.

Our workers shall:

- Act in a manner that does not create any unnecessary risk to the health, safety and wellbeing of themselves or others.
- Maintain the safest possible workplace.
- Comply with business health and safety systems.
- Participate in induction, training and awareness sessions.
- Report all health and safety hazards and incidents in accordance with system requirements.
- Work cooperatively with our customers, stakeholders and the community to identify and contribute to practical solutions to environmental issues.

Responsibilities

- Our Leaders shall fulfil their obligation by:
- Establishing, reviewing and strengthening our HSE Management Systems in an ongoing manner through periodic reviews with the involvement of all TEPL personnel at the required level.
- Understanding the nature of the operations of the business and the hazards and risk associated with those operations.

- Implementing safe operating procedure (SOPs) and control the relevant safety practices in construction activities.
- Ensuring the business has appropriate processes for receiving and considering information regarding incidents, hazards and risks and responds in a timely way to that information.
- Verifying the provision and use of resources and processes through effective consultation.
- Conduct regular reviews of our environmental performance to ensure that we are meeting our objectives and targets.

Consultation

TEPL is committed to consultation with its revered stakeholders to ensure that this commitment and the overall HSE system perform competently as well as to review and continuously improve these elements.



Nirmalendu Chandra
Director

CERTIFICATIONS



CERTIFICATE

The Certification Body
of TÜV SÜD South Asia Private Limited
certifies that

TEPL

TARACHANDRA ENGINEERING PVT. LTD.
Plot No. 302, G.I.O.C. Industrial Estate, Manjusar, Savli,
Vadodara - 391 775, Gujarat, India

has established
and applies a Quality Management System for

Manufacturing & Supply of
Sheet Metal & Steel Structures

An audit was performed. Report No. 20061755
Proof has been furnished that the requirements according to
ISO 9001 : 2008
are fulfilled. The certificate is Valid in conjunction
with the main-certificate until 2017-08-11
Subject to successful completion of the Annual Audit before 2015-06-19
The present status of the Certificate can be obtained on www.tuvasia.com
All rights reserved. The use of this certificate is subject to the terms and conditions of the certificate.

Certificate Registration No. 99 100 15479/02

Mumbai,

Effective Date: 2014-08-12



TÜV SÜD

TÜV SÜD South Asia Pvt. Ltd. - TÜV SÜD House - Saki Naka - Andheri East - Mumbai - 400071 - Maharashtra - India



CERTIFICATE

The Certification Body
of TÜV SÜD South Asia Private Limited
certifies that

TEPL

TARACHANDRA ENGINEERING PVT. LTD.
304 & 109, Silver Coin, Near Shrenik Park Char Rasta,
Productivity Road, Akota, Vadodara - 390 020, Gujarat, India

has established
and applies a Quality Management System for

Marketing, Fabrication, Erection & Commissioning of
Heavy Sheet Metal & Steel Structures, Piping/Pipe Line Projects,
Pressure Vessels, Tanks, Heaters and Reformers

An audit was performed. Report No. 20061755
Proof has been furnished that the requirements according to
ISO 9001 : 2008
are fulfilled. The certificate is Valid in conjunction
with the main-certificate until 2017-08-11
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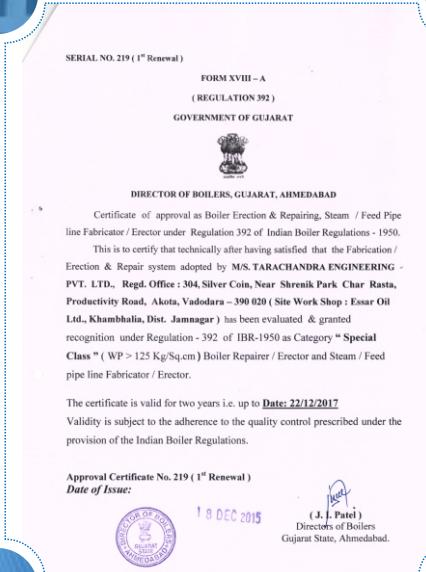
Mumbai,

Effective Date: 2014-08-12



TÜV SÜD

TÜV SÜD South Asia Pvt. Ltd. - TÜV SÜD House - Saki Naka - Andheri East - Mumbai - 400071 - Maharashtra - India



SERIAL NO. 219 (1st Renewal)

FORM XVIII - A
(REGULATION 392)
GOVERNMENT OF GUJARAT



DIRECTOR OF BOILERS, GUJARAT, AHMEDABAD

Certificate of approval as Boiler Erection & Repairing, Steam / Feed Pipe line Fabricator / Erector under Regulation 392 of Indian Boiler Regulations - 1950.

This is to certify that technically after having satisfied that the Fabrication / Erection & Repair system adopted by M/s. TARACHANDRA ENGINEERING - PVT. LTD., Regd. Office : 304, Silver Coin, Near Shrenik Park Char Rasta, Productivity Road, Akota, Vadodara - 390 020 (Site Work Shop : Essar Oil Ltd., Khambhalia, Dist. Jamnagar) has been evaluated & granted recognition under Regulation - 392 of IBR-1950 as Category * Special Class * (W/P > 125 kg/Sq.m) Boiler Repaire / Erector and Steam / Feed pipe line Fabricator / Erector.

The certificate is valid for two years i.e. up to **Date: 22/12/2017**

Validity is subject to the adherence to the quality control prescribed under the provision of the Indian Boiler Regulations.

Approval Certificate No. 219 (1st Renewal)
Date of Issue:

18 DEC 2015

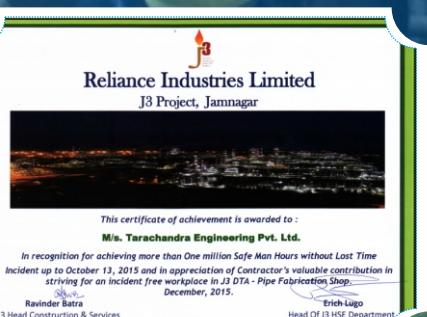
(J. J. Patel)
Directors of Boilers
Gujarat State, Ahmedabad.



Certificate of Appreciation

This is to certify that
M/S TARACHANDRA ENGG. PVT. LIMITED
working in two bays of PFS-2 has achieved highest production of 31319 inch dia.
(Average 580 inch dia. per day per bay)
During the month of December - 2014

S. Shyam Sunder
Area Manager - PFS



Certificate of Achievement

This certificate of achievement is awarded to
M/s. Tarachandra Engineering Pvt. Ltd.
For achieving more than 2 Million Safe Man Hours.
As a valuable contribution to obtaining the
“5 Star Award”
for J3-DTA-PFS Complex
on completion of 15 Million Safe Man Hours.

Ravinder Batra
J3 Head Construction & Service

Erich Lugo

Head J3 HSE Department

Ravinder Batra

J3 Head Construction & Services

Erich Lugo

Head Of J3 HSE Department



TO WHOMSOEVER IT MAY CONCERN

This is to certify that M/s Tarachandra Engineering Pvt. Ltd., Baroda, is associated with
M/s Essar Projects (I) Ltd., Since May-2004. During this period, they have executed all types of
Piping, Tankage, Heater & Structural fabrication, erection & pre-commissioning activities for
various work related to Essar base refinery & train-i expansion projects. The quality of
work remained appreciable as per ISO 9001-2008 QMS standards / project specification.

We wish them all success

For M/s Essar Projects (India) Ltd.

HEMANT R. SIRUR
DOM - QAQC

Place: Jamnagar
Date: 29/08/2014

Registered Office: G-200 House, 11, Motera, Vadodara, Gujarat - 390 008, India
T: +91 22 6880 1100 | F: +91 22 6880 1100

ESAR PROJECTS INDIA COMMUNICATIONS, SHIPPING, PORTS & LOGISTICS PROJECTS



QUALITY POLICY

Quality can be defined within TARACHANDRA ENGINEERING PRIVATE LIMITED as the provision of service that satisfies and exceeds the expectation of our clients. This policy is acknowledged by our all members of company throughout the business and every effort is made to adhere to this recognize standard.

Our Company will achieve and maintain the highest possible standards of our quality service to provide a safe work assurance and decrease associated dangers.

We are committed to providing service to our valued customers on time and on cost with highest quality along with clients' satisfaction by continuous improvement of our products, works, service, employees and manpower.

This will be accomplished by implementing a Quality Management System that follows best practices of the ISO 9001:2008 standard.

ISO Certification

In June of 2015, our company received ISO 9001:2008 Certification for Manufacturing & Supply of Sheet Metal & Structures and for Marketing, Fabrication, Erection & Commissioning of Heavy Sheet Metal & Steel Structures, Piping and Pipeline Projects, Pressure vessels, Tanks, Heaters and Reformers. The certification was granted by the International Organization for Standardization, TÜV SÜD America Inc, a non-governmental organization that is the world's largest developer and publisher of International Standards.

Consultation

We will maintain market leadership in our business sector by continual improving our product quality by active involvement of trained and dedicated employees.



Nirmalendu Chandra
Director



Quality is our
utmost objective

In time progress and high work output can be achieved only by constrained hard work, but that can be accomplished when everything is under quality

MACHINERIES / TOOLS & TACKLES

Sr.	Description	Capacity	Qty.
1.	Plate Bending M/c	40mm Cap 25mm Cap	02 Nos. 01 Nos.
2.	Mobile Hydra Crane	14MT Cap	04 Nos.
3.	Welding Rectifier	400 Amp	130 Nos.
4.	Hoists	1 MT to 10 MT	155 Nos.
5.	Piller Drilling M/C	40/25/19 mm Cap	05 Nos.
6.	Hydro Test Pump (Motorized)	Up to 500 kg	10 Nos.
7.	TIG Sets		70 Nos.
8.	Gas Cutting Torch		30 Nos.
9.	MIG M/cs		06 Nos.
10.	Pug Cutting Sets		15 Nos.
11.	SAW Machine		03 Nos.
12.	Magnetic Base Drilling M/C	32 mm	10 Nos.
13.	Desk Top Computer		20 Nos.
14.	Angular Grinding M/C		200 Nos.
15.	Straight Grinding M/C		15 Nos.
16.	FF2 Grinding M/C		06 Nos.
17.	Screw Jack	50 MT/25MT Cap	20 Nos.
18.	Hydraulic Jack		05 Nos.
19.	Hydraulic Pipe Bending M/C		05 Nos.
20.	Cabinet Oven		15 Nos.
21.	Portable Oven		200 Nos.
22.	Assorted Small Tools		Lot



VEHICLES



18 Nos.



04 Nos.

SITE STAFF ON ROLL - 250 Nos.



Site In Charge
10 Nos.



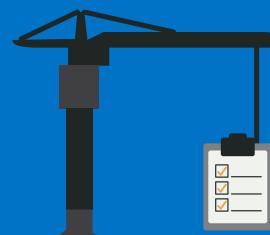
Engineer
42 Nos.



Supervisor
70 Nos.



QA/QC Engineer
39 Nos.



Safety Officer
32 Nos.



Material Coord.
28 Nos.



Admin/HR
18 Nos. Graduate



Accountant
11 Nos. Graduate

AVAILABLE STRENGTH (MANPOWER) - APPROX 1800.



Fitters
110 Nos.



Welders
208 Nos.



Riggers
860 Nos.



Grinders
129 Nos.



Gas Cutters
31 Nos.



Scaffolder
180 Nos.



Electricians
16 Nos.



Helpers
320 Nos.

OUR VALUED CUSTOMERS



MAJOR ON-SITE EXECUTED PROJECTS

Name of Project	Client	Description of work	Value	Year
PFS - II, J3 Project, Jamnagar	RELIANCE INDUSTRIES LIMITED	Manpower Support for Fabrication of spools at PFS. Above 4,00,000 Inch dia. Welding Completed with appreciation certificate & Safe Manhours.	1556 LACS	2016
Very High Pressure Steam Piping of Coal Based Captive Power Plant, Dahej	RIL	AG Piping in ISBL & OSBL area of CCPP Project at RIL Dahej. Inch dia. Welding - 45,000 & Erection - 1,80,900 Inch M with MOC CS/SS/AS-P11/P91 upto 54mm thk IBR & NIBR.	1284 LACS	2016
Ethane Gas Cracker Unit Modification and Turnaround Project, Dahej	RIL	Piping & Equipment works of ISBL Area for Ethane Cracker modification Project at RIL Dahej. Welding - 77800 ID, Erection - 115650 INM and Nearly 700MT of Structure & Equipment Erection with MOC CS/SS/LTCS with 28mm thk IBR & NIBR.	1049 LACS	2016
Pneumatic Conveying, AG Piping, Equipment Erection, Structural Erection, Bagging Machine Installation at LDPE and LLDPE Unit, C2 Complex	RIL	Piping, Structure & Equipment works for Pneumatic Conveying System piping in C2 Complex area of RIL J3 Project, Jamnagar. Welding - 11590 ID & Erection - 68650 INM and Equipments - 282 MT with MOC CS/SS upto 24mm thk.	1060 LACS	2016
Paraxylene - 4 Piping and Structure , Jamnagar	RIL	AG Piping works of Product stage & Pipe Rack works in Train III PX4 area. Welding Inch dia. - 15570 & Erection Inch mtr. - 48930 with MOC CS/SS upto 20 mm thk.	945 LACS	2016
Turnaround of September'15, Essar Refinery, Vadinar	ESSAR OIL LIMITED	Modification & replacement of Heater coils for CDU-1 Heater/ Revamping of VDU Heater & related structure work/DHDT Demax connections & Isolation Valves Installation/Process Piping Scheme PS-5006 at CDU-1/APH Bottom Hopper replacement/Dishend replacement at DHDT. Inch dia. Welding - 15,500 & Inch mtr. Erection - 28,000 and other Structures with MOC CS/SS/AS upto 36mm thk IBR & NIBR.	558 LACS	2015
DEMAX Diesel Hydro Treating Unit, Vadinar	ESSAR OIL LIMITED	Piping Fabrication & Modification Jobs - Demax (DHDT). Inch dia. Welding - 61,650 & Inch mtr. Erection - 75,000 with MOC CS/SS/AS upto 34mm thk IBR & NIBR with Equipment Erection & Support Structures.	543 LACS	2016
Paraxylene - 4 - Operations and Utilities Rack Piping, Jamnagar	RIL, JAMNAGAR	Rack piping work around PX4 of our SEZ refinery for J3 project. Inch dia. Welding - 14,000 & Erection - 1,90,000 INM with MOC CS/SS upto 15mm thk OPR area UNIT/RACK piping.	471 LACS	2016
Hydrogen Manufacturing Unit - II, Vadinar	ESSAR PROJECT (I) LTD	Fabrication, erection & testing of above ground piping and fabrication, erection of structural steel works for HMU II & associated service at EOL Refinery site, Vadinar. Inch Dia. Welding - 90,000 & Inch mtr. Erection - 1,20,000 with MOC CS/SS/AS-P11/GI upto 32mm thk.	428 LACS	2014
Very High Pressure Steam Line Piping - CCPP, Dahej	RIL	Fabrication & Erection of SVH line (Very High Pressure Steam line) Alloy Steel- P-91 material in OSBL for RIL Dahej Project	337 LACS	2015

MAJOR IN-SITU AND WORKSHOP FABRICATION JOBS

Job Project	Client	QTY	Value	Year
Fabrication of Project No. : R-0267A/B, R-0271A/B & R-0272A/B (SRU-LINDE-RIL)	M/s Essar Heavy Engineering Services Ltd. Hazira	378 MT – 6 nos. Vessels	155 LACS	2013-14
Fabrication, Erection of 20M dia x 13M high TES Tank, HVAC Project District Cooling System for GIFT City at Gandhinagar.	M/s ETA Engineering Pvt. Ltd., GIFT City, Gandhinagar	20M dia. X 13M ht. – 1 no. TES Tank	46 LACS	2013-14
Fabrication, Erection of 9M dia x 14M high silo and allied structures for ash handling system For VPCL II, Ph I at Essar Oil Refinery Vadinar, Khambalia, Jamnagar.	M/s Essar Projects (I) Ltd. at Essar Oil Refinery,Vadinar.	9M dia. X 14M ht. – 1 no. SILO	45 LACS	2011-12
Fabrication, Erection & Testing of 22M dia x17M Sour water Cone Roof Tank	M/s Essar Projects (I) Ltd. at Essar Oil Refinery,Vadinar.	22M dia. X 17M ht. – 1 no. TANK	35 LACS	2011
Design ,Engineering ,Fabrication & Erection /Installation, Testing and Calibration Of 1Water Tank	M/s Essar Oil Refinery , Vadinar	15M dia. X 12M ht – 1 no Tank	10.35 LACS	2008
Fabrication , erection & testing of catalyst hopper of 287MT with highest thickness of 45 mm	M/s Essar Construction Ltd., Vadinar	287 MT – Catalyst Hopper	42 LACS	2006-07
Supply, Fabrication, Erection, Testing & Painting of 5.1 mtrs dia – 2nos C. S. tanks for GGS-2 & 3 for ONGC, Ankleshwar.	M/s ONGC, Ankleshwar.	5.1M dia. - 2 nos. CS Tank	20 LACS	2006
Fabrication, Erection & Testing of 12.0 dia x 10.0 mtrs ht. – 2 nos C. S. tanks for ONGC, Mehsana.	M/s VA TECH, WABAG	12M dia. X 10M ht – 2 CS Tank	10.22 LACS	2006
Fabrication, Erection, Testing & Calibration of 37 Mtrs dia tanks for AU-V project, Gujrat Refineries, Baroda.	M/s. Nicco Corp. Ltd. (Proj. Div.)	37M dia. - Tank	28.8 LACS	1999-00
Fabrication of Miscellaneous work like Water and Chemical Tanks with their Lute Pot, Vessels, Scrubber Seal Pot for PTA-5 for RIL, Dahej Project	L & T Construction	8 Nos.	21.43 LACS	2014
Fabrication of SS Trench & Pit liner for RIL, Dahej Project	Reliance Industries Limited.	71.4 MT	25.26 LACS	2014
Fabrication of SS Trench & Pit liner for RIL, Dahej Project	Reliance Industries Limited.	81MT	53.3 LACS	2014
Fabrication of SS Liner Trench and Pit for RIL, Dahej Project	Reliance Industries Limited.	71.4 MT	105.9 LACS	2014
Fabrication of Miscellaneous work like Water and Chemical Tanks with their Lute Pot, Vessels, Scrubber Seal Pot for PTA-5 for RIL, Dahej Project	Reliance Industries Limited.	8 Nos.	32.5 LACS	2014

OUR SUCCESS STORY

The Latest refurbishing and restoration of VDU Heater at Vadinar refinery of Essar Oil Limited (EOL) during Turnaround Dept'15. A brief resume:

Having served the petrochemical and power industry for decades, we have been honoured by the client being entrusted with one of the most crucial and critical major shutdown jobs which are generally executed while racing against time. It was during Turnaround Sept'2015 at Essar Oil Limited (EOL) refinery-Jamnagar, while on preparation from client's end in pre-shutdown activities, one of the major heaters supplying an 18 MMTPA vacuum distillation column underwent an explosion inflicting critical damages to it as well as its allied structures & equipment. Such an unrehearsed incident threatened to annihilate our client's complex schedule of activities, just a day before the shutdown would commence. At this very juncture, we were approached to revive the heater by any necessary means and measures on war footing.

In spite of our full mobilised resources already being committed to other contractual shutdown activities, we responded in affirmation to safeguard our client's valued interest, i.e. to conclude the shutdown in congruence to client's original schedule, irrespective of this adverse incident.

The major challenge was to temporarily support the roof structure whilst dismantling, fabricating & erecting 19 x 10.5 m side panel along with fabricating & installing 254 running meter of various Alloy Steel tubes.

Stretching beyond our limitation, we augmented our manpower strength by 250 number with all other requisite resources, in just consecutive nights and in defiance to the inherent urgency, we managed to accomplish the execution work from mobilization to hand-over, in 15 days of time.

It is also to be kindly acknowledged that the job was completed with neither obtaining a written work order nor with any conclusive commercial discussion having taken concurrence.



An appreciation in quote

"Their approach of doing business is praiseworthy. We want them to be one of the dominant contractors here in Essar"

- Mr. C Manoharan,
Director (Refinery), Essar Oil Limited.



TANK FARM PIPING, ESSAR OIL REFINERY, VADINAR



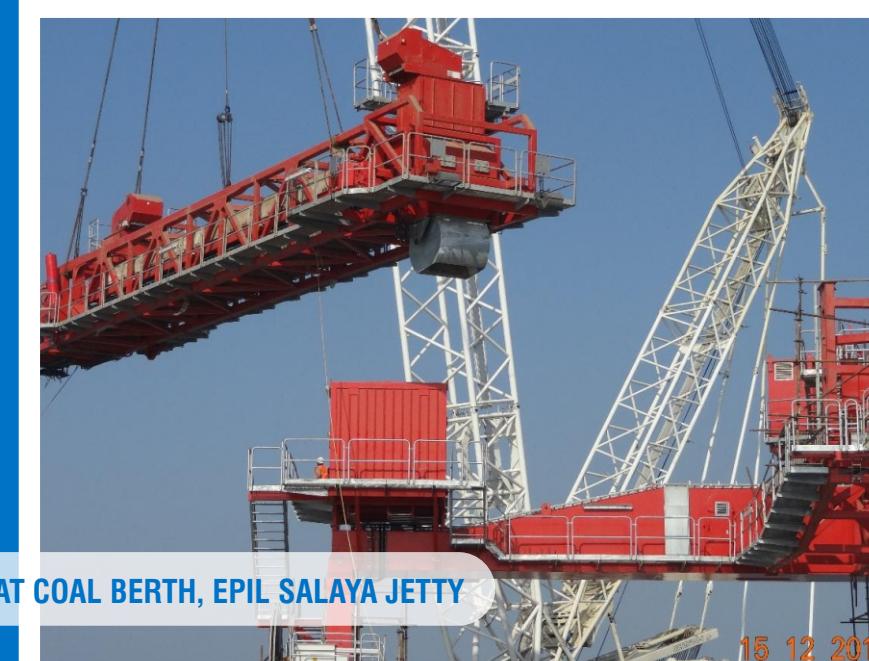
STRIPPER COLUMN (138-C-004) 120MT EQUIPMENT ERECTION AT
DEMAX DHDT, ESSAR OIL REFINERY, VADINAR



OUR PROJECTS



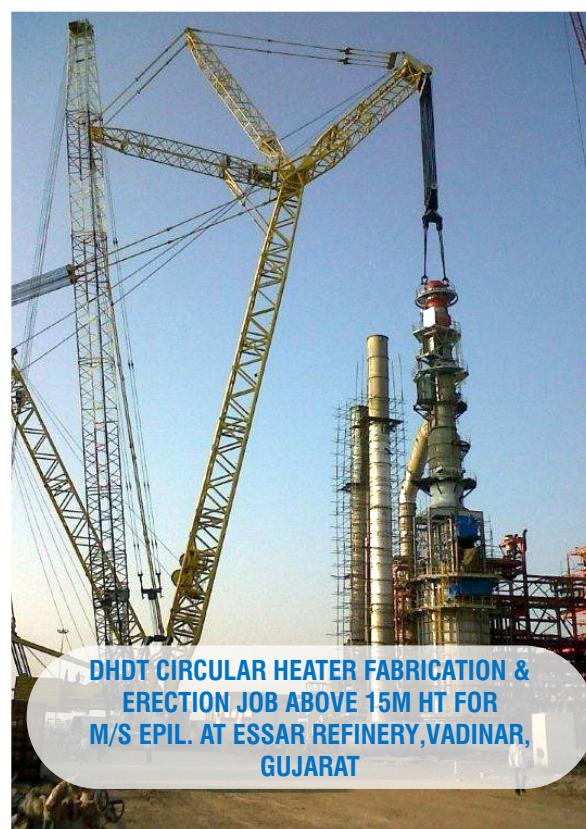
ERECTION OF BARGE UNLOADER, AT COAL BERTH, EPIL SALAYA JETTY



15 12 201



PNEUMATIC PIPING FABRICATION & ERECTION (RACK & UNIT) AT C2 COMPLEX, RELIANCE REFINERY, JAMNAGAR



DHDT CIRCULAR HEATER FABRICATION &
ERECTION JOB ABOVE 15M HT FOR
M/S EPIL. AT ESSAR REFINERY, VADINAR,
GUJARAT



PIPEING WORKS & GOGGLE VALVE INSTALLATION
AT PX-4 TRAIN III AREA, RIL J3 JAMNAGAR





EQUIPMENT ALIGNMENT AND ERECTION AT C2 COMPLEX, RELIANCE, JAMNAGAR



C2 COMPLEX PIPING WORKS, AT RIL J3 JAMNAGAR



HSE AWERNESS CAMPAIGN, AT J3 RELIANCE, JAMNAGAR, GUJARAT





TARACHANDRA

Engineering Private Limited

An ISO 9001:2008 certified company

TARACHANDRA ENGINEERING PRIVATE LIMITED.

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