- Hydrocarbon Capabilities
- Erection & Transportation
- Precast Piperack erection
- RO-RO Operation
- Route Survey for Heavy Transportation
- Crawler Crane Assembly & Dismantling
- Construction Methodology
- Shutdown Planning

About Us

- Established in 2009 , **Mudra Heavy Lifts & Engineering** , is one of the best in the heavy lift erection & transportation execution works at in Oil & gas, Steel plant, Power plant and fertilizer plants, consultancy services in heavy-lifts, Supplier of Riggers, rigger foreman, MW fitter, gas cutters. By delivering the highest standard of professional services.

Quality Policy

- Our Policy is to strive to achieve excellence through our competitive pricing, quality services delivered with committed time frame.

Mudra DNA:-

Vision

To be an Indigenous Company with global presence in heavy lift erection & transportation

Mission

To assist customers & add value to their businesses by meeting their ongoing requirements for high quality work service - in heavy lift erection & transportation

Values

Creativity | Growth | Service

ORGANISATION STRUCTURE

Ghanshyam G Mehta

*) Total Experience

Digamber G Sungra

*) Total Experience

Jitendra Ingale

*) Total Experience

*) 4 No. Rigging foreman on Role

*) 250 Riggers available on call

HYDROCARBON CAPABILITIES

- Process Units
  - FCCU & DHDS
  - Isomerisation
  - Hydro-Treating - ATF, Visio
  - NHT /CCR Unit
  - CDU/ VDU/SGU
  - DHDT
  - VGO –HDT
  - Visbreaker Unit
  - Delayed Coker Unit
  - Sulphur Recovery Units
  - Sour Water Stripping
  - Amine Unit
  - Hydrogen Manufacturing Unit

- Offsites & Utilities
  - Cooling Water Facility
  - Desalination & DM plant
  - Caustic Supply
  - Spent Caustic
  - Sea Water Intake
  - Fuel Oil/ Fuel Gas/ Natural Gas
  - Fire Fighting Facilities
  - Tankages
  - Product Jetty
  - Rail/Truck Logistics
  - SBM & Sub Sea Piping

Project Credentials - Hydrocarbons

Completed Projects

10.5 MMTPA base refinery project & expanded to 20 MMTPA complete with utilities and associated infrastructural facilities including Crude Oil Tank Farm

Coke Drum Structural Module Assembly Erection - Vadinar, India

Erection of DHDT Reactor – Wt. 1200 MT - Vadinar, India

Making MEGA PROJECTS Possible

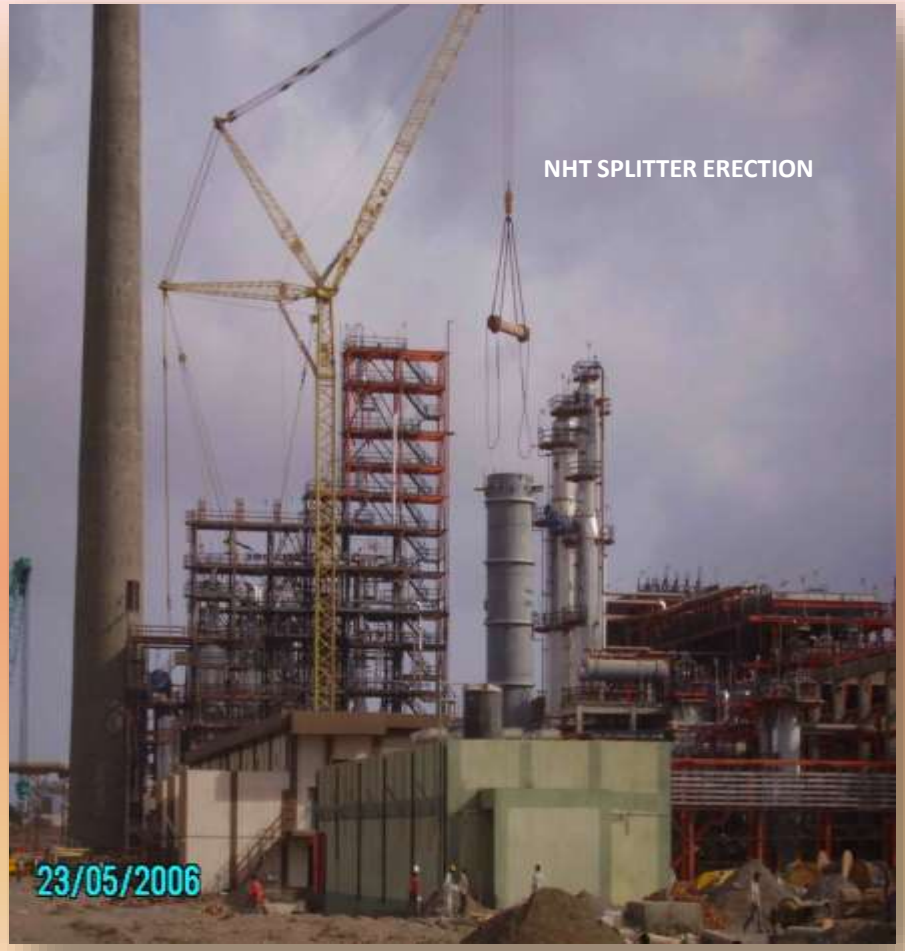
CDU/VDU


CDU – COLUMN ERECTION
Height : 91 Mtr
Weight : 714 MT


VDU – COLUMN ERECTION
Height : 55 Mtr
Weight : 640 MT

VBU

NHT/CCR



FCCU

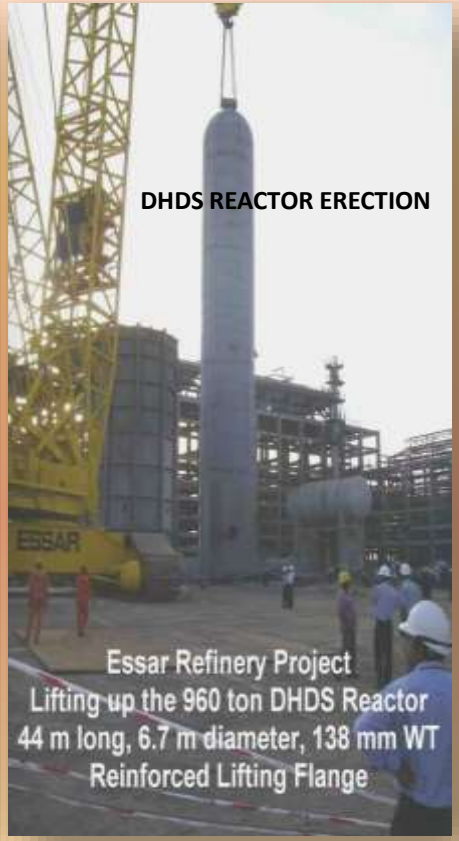

FCCU
REGENERATOR


FCCU ERECTION


FCCU REACTOR & REGENERATOR ERECTION

DHDS


DHDS REACTOR
TRANSPORTATION


DHDS REACTOR ERECTION
ESSAR
Essar Refinery Project
Lifting up the 960 ton DHDS Reactor
44 m long, 6.7 m diameter, 138 mm WT
Reinforced Lifting Flange


DHDS ERECTION

ARU/SRU

ISOMERISATION

VGO Hydrotreater


OVERALL VIEW OF VGO - HYDROTREATER


COLUMN ERECTION

DHDT

OVERALL VIEW OF DHDT

STRUCTURAL WORKS AT DHDT

HEATER WORKS FOR DHDT

DCU

DCU HEATER

TECHNOLOGICAL STRUCTURE

ARU/SRU/SWS/CRU

HMU

Tankages

CRUDE OIL TANKAGE (COT)

Capacity
Storage of 800,000 cum (5.5 million Barrels) of crude

Features
(80 M Diameter & Height 20 M)

PRODUCT & INTERMEDIATE TANKS (PIT) & SPHERES

Storage facilities for BS III & BS IV Products)

Offsite facilities

- SBM (SINGLE BUOY MOORING)
- COT (CRUDE OIL TANKS)
- PRODUCT JETTY
- RAIL CAR LOADING
- TRUCK CAR LOADING
- DESPATCH TANKAGE
- DESALINATION PLANT
- PIPELINES
- EFFLUENT TREATMENT PLANT
- COOLING TOWERS
- NARMADA WATER RESERVOIR

Product Jetty

Purpose

Product evacuation through sea

Capacity

Designed to handle two vessels at a time up to 100,000 DWT each

Features

- Central platform
- Approach jetty
- Breasting dolphins & mooring dolphins
- Length: 600 M

Captive Power Plant

Capacity

77 MW & 2 X 110 MW

MAIN EQUIPMENTS

	77 MW	2 X 110 MW
Boiler	Three boilers for (230 MT/hr)	Two Boilers (315 MT/hr each)
Turbine	Two Turbines. (77 MW combined)	Two Turbines (110 MW Each)

Purpose

Generating Electricity and Steam for energy & process requirements of the Refinery

220/33 KV Transmission Line

- Captive power plant to the grid and to distribution power to various substations
- 220 KV overhead transmission lines network from Jamnagar to refinery
- U/G cables from main S/S to Refinery S/S & overhead lines to COT & Jetty s/s

Salient features of facilities constructed

FIRED HEATERS	
No. of Heaters (Circular & Box)	17 Nos.
Wt. of Structural Steel Erection	5,000 MT
Refractory Lining	3,900 MT
Coil Erection	88,000 IM

Salient features of facilities constructed

STACKS	
No. of Stacks	6 (RCC) and 1 (Steel)
Wt. of Structural Steel Erection	900 MT
RCC	8,900 Cu.m
Refractory Lining	7,900 Square meter (Including Duct)
Max Height of Stack	130 M (CCR)

Heavy lift

	Height (m)	Weight (MT)
CDU Column	91	714
VDU Column	55	640
CDU Pre flash Vessel	27.4	213
FCCU Reactor	46	228
FCCU 1st Stage Regenerator	21.8	298
FCCU 2nd Stage Regenerator	32.4	209
DHDS Column	44	960

Planned out the entire transportation & erection scheme for heavy & critical lifts

25 km Heavy Haul Road from Jetty was laid for transporting such heavy equipment to the site

Heavy Lift

	Height (m)	Weight (MT)
VGO Reactors (2 Nos.)	59	1300
DHDT Reactor	50	1100
Coker Fractionator	68	650
Absorber/ Stripper Column	84	560
Coke Drums (6 Nos.)	42	380
Deisohexanizer	56	342
Debutanizer Column	40	337
Hot Separator (VGO)	6	248
Product Fractionator (VGO)	43	234

Critical in-situ equipment modification

NHT/CCR Splitter Column Modification

The splitter column was modified for meeting requirements of higher refining capacity.

Dimensions of Column (Bottom Portion)	
Height	31.08 M
Diameter	5.00 M

Fabrication : 116 MT was done for this crucial job at Hazira works of Essar

A 34 meters length (70 tonnes) was cut from the existing column and **welded in-situ** at the Vadinar site

Critical in-situ equipment modification

FGD Scrubber

Insitu welding of 8 Mtr. Diameter of Scrubber

Scrubber with 80 Mtr. Height was erected in 3 pieces at site

Details	
MOC	SA 240 TP 316
Height	80 meter
Total Wt	400 MT
Radiography	100% of site joint

Innovative, smart & cost effective methodologies implemented for project execution at Vadinar

- The Team completed the erection & installation of 3+6 Modules of the Derrick Supporting Structure & Derrick in Modules in the Delayed Coker Unit (DCU) in a very Innovative way

- Normally, such structures are erected & installed in 6-8 months by
  - Pre-Assembling the Frames
  - Erecting the Frames
  - Interconnecting the Beam
  - Filling up all the Members

- The EPL Team innovated and completed the Structure in
  - Entire Structure of 52 x 13 x 34 Mtrs was prepared in 3 Distinct Modules
  - The Derrick Structure was prepared in 6 Distinct Modules
  - All Modules were Fabricated, Assembled, Sand Blasted & Painted on ground
  - The successful planning and implementation of this critical Erection & Installation Process, is reflected in the following facts:

- **Erection** Three Structural Modules were erected within just 11 days & Six Derrick Modules within a month
- **Perfect Designing & Detailing** In a Span of 52 mts, there was an Actual Deflection of only only 5 mm
- **Accurate Fabrication :** A total 1760 Bolts – 160 Foundation & 1600 Splice Joint – were fitted within 4-5 hrs in the Column without any hole enlargement
- **Extraordinary Rigging :** Module consisting of 1581 members was inserted between 4 Coke Drums through the small gaps of 150 mm
- **Equipment** This critical erection operation was completed using two cranes LR 1600 & Demag CC-6800

Coke drum structure module assembly

Deck slab casting

Transportation of module assembly

DCU coke drum structure erection

Description	Size (m)	Weight (MT)
Module 1	52x13x34	320
Module 2	52x13x34	220
Module 3	52x13x34	480

VGO-REACTOR STRUCTURE ERECTION (Module-01)
LOCATION :- VGO UNIT
WEIGHT :- 100 MT, DIM :- 10 X 23 X 20

6 Coke Drums with Coke Drum Structure in Delayed Coker Unit
Total Weight :- 4100 MT

VGO-REACTOR STRUCTURE ERECTION (Module-02)
LOCATION :- VGO UNIT
WEIGHT :- 100 MT, DIM :- 10 X 23 X 18 MTR.
DATE :- 07TH APR'11

VGO-REACTOR STRUCTURE ERECTION (Module-03)
LOCATION :- VGO UNIT
WEIGHT :- 100 MT , DIM :- 10 X 23 X 18 MTR.
DATE :- 07TH APR'11

DHDT- REACTOR STRUCTURE ERECTION (Module-01)
LOCATION :- DHDT UNIT
WEIGHT :- 80 MT , DIM :- 9.5 X 9.5 X 24 MTR.

DHDT- REACTOR STRUCTURE ERECTION (Module-02)
LOCATION :- DHDT UNIT
WEIGHT :- 80 MT, DIM :- 9.5 X 9.5 X 24 MTR.



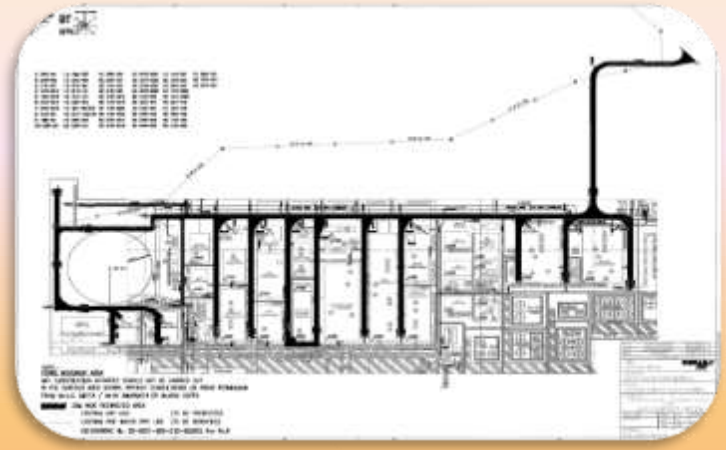



COKE DRUM-
ERECTION OF 3RD STRUCTURAL MODULE ASSEMBLY ERECTION OF STRUCTURE MODULE ASSEMBLY FOR DERRICK

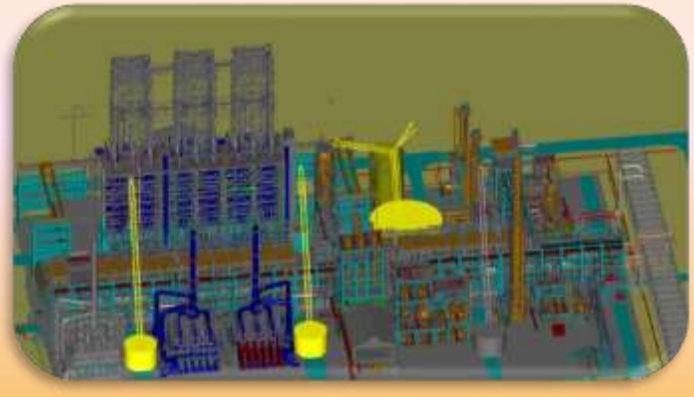
CONSTRUCTABILITY STUDY

INCORPORATION OF THE REQUIREMENT FROM THE INITIAL DRAWING & PLANNED ERECTION REDUCED THE EXECUTION TIME & HASSELS

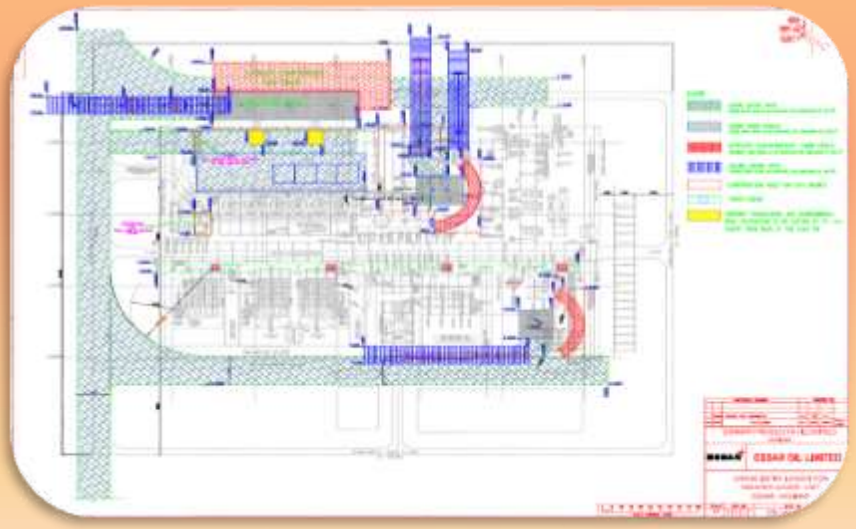
CONSTRUCTABILITY STUDY



PLAN VIEW OF HEAVY HAUL ROAD DERIVED FROM THE CONSTRUCTABILITY STUDY OF THE OVERALL PROJECT



3-D MODEL FOR DELAYED COKER UNIT SHOWING THE CRANE POSITIONS & OTHER UTILITIES FACILITATING CONSTRUCTION



PLAN VIEW OF HEAVY CARGO MOVEMENT AND CRANE LOCATIONS INDICATING STRATA PREPARATIONS & POSITIONINGS

Constructability Study carried out for various Units has helped in Adopting more Innovative & Cost Effective Execution Strategy & Optimized Utilization of Resources.

METHOD ADOPTED

- **The Technical Process of the Construction Team of Essar Projects (EPIL), Vadinar, has enabled ESSAR to be the proud owner of the Largest Crane in India, with a Capability to Handle 1600 MT.**
- **The team accomplished this by Enhancing the Lifting Capacity of DEMAG CC 12000 Crane from 960 MT to 1600 MT.**
- **This valuable New Asset was Created at a Fraction of the Cost of Procuring New Equipment of Similar Capacity.**
- **During the Upgradation Process a Micro Level Design Study was done by the renowned Dutch Design Consultants, Euro Rigging, additional equipment was procured i.e. Hammerhead from M/s. Avezaat & Pulley Block from M/s. De-haan the OEM supplier to Demag. The Project culminated in the successful load test of the Demag Crane on October 22, 2010 and the upgraded crane was renamed, 'DEMAG CC 12000 / Superlifter 1600 T'.**
- **While 1200 MT capacity cranes are presently available in India, the giant 1600 MT cranes are in huge demand in India and abroad. Typically, the owners of these cranes are in a position to dictate Cost and Project Schedule. Our Superlifter has been designed as a crawler mounted crane so that it can be moved and used anywhere for our upcoming projects across the Globe.**

SUCCESSFUL LOAD TEST OF DEMAG CC-12000/SUPERLIFTER 1600T CRANE

Old Capacity:- 900MT

Upgraded Capacity:- 1600MT

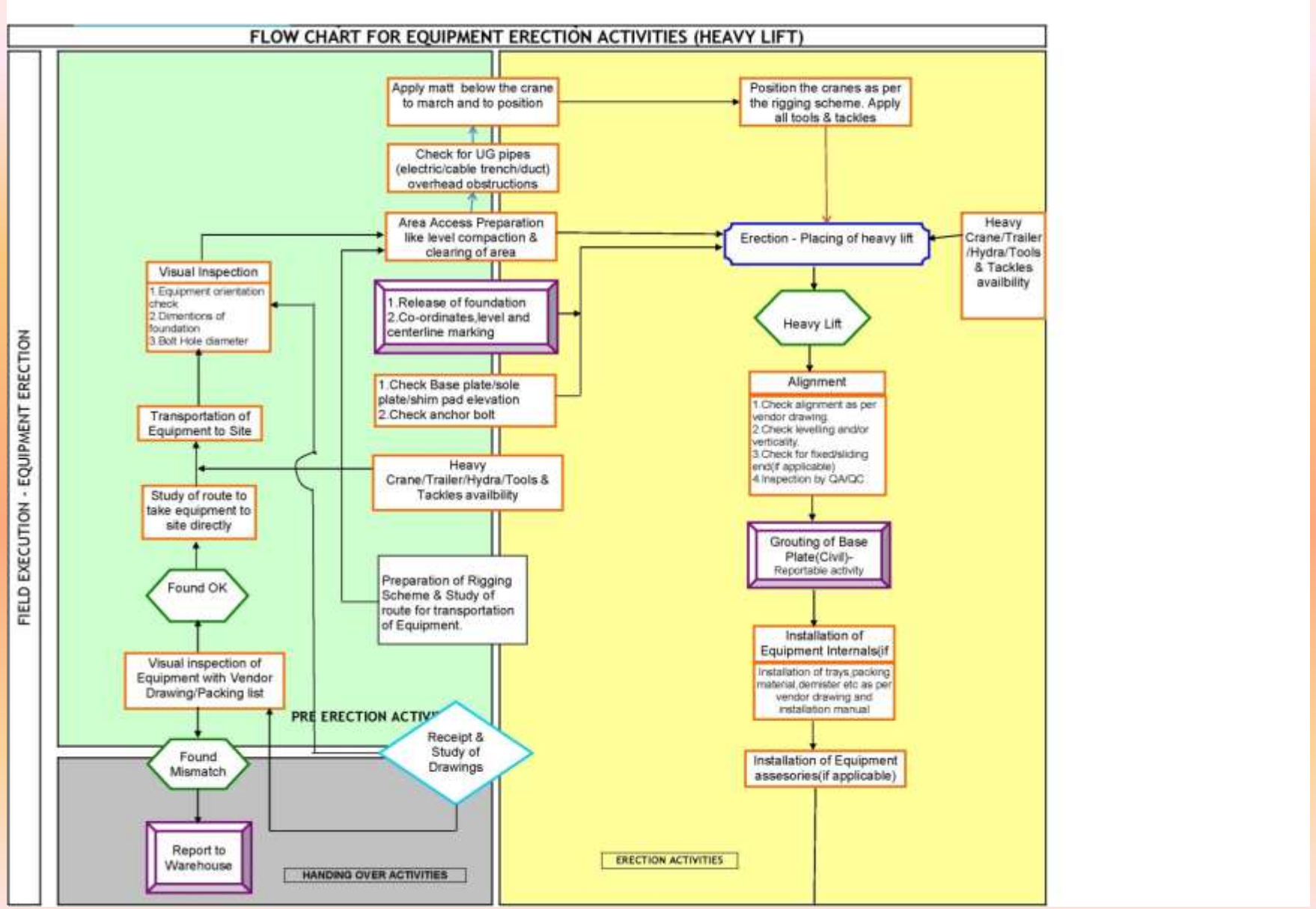
MAJOR HEAVY LIFTS

Heavy Lift, 9.5MMTPA Refinery Project, Jamnagar (Base Refinery)

Sr. No.	Heaviest Lifts (MT)	Largest Lifts Length/Diameter
1	960 MT (40R-001)	44/6.6
2	705 MT (10C-201)	92/8.5
3	555 MT (11C-201)	54/12.5
4	300 MT (34RG-101)	33/10
5	216 MT (10V-103)	28/11
6	210 MT (34RG-102)	33/10
7	183 MT (35C-101)	52/7.5
8	165 MT(10V101X)	40/4.0
9	165 MT (10V-102X)	40/4.0
10	123 MT (34R-101BOT)	30/8.0
11	121 MT (13C-201)	49/5.0
12	117 MT (34R-101TOP)	30/8.0

Sr. No.	WBS	Unit	Equipment No.	Equipment Weight (MT)	Length (m)	Dia. (m)
1	121	DCU	121-C-108	337	40	4.6
2	121	DCU	121-C-101	860	68.25	8.4
3	121	DCU	121-C-105/106	560	84	3.4
4	121	DCU	121R-101A	380	41.17	9.6
5	121	DCU	121R-101B	380	41.17	9.6
6	121	DCU	121R-102A	380	41.17	9.6
7	121	DCU	121R-102B	380	41.17	9.6
8	121	DCU	121R-103A	380	41.17	9.6
9	121	DCU	121R-103B	380	41.17	9.6
10	138	DHDT	138-R-001	1230	49.9	5.356
11	131	ISOM	131-C-004	342	56	5.2
12	137	VGO	137-R-001A	1303	58.4	5
13	137	VGO	137-R-001B	1303	58.4	5
14	137	VGO	137-C-001/V 008	260	25.5	3.7

Flow Chart for Heavy Lift Activities



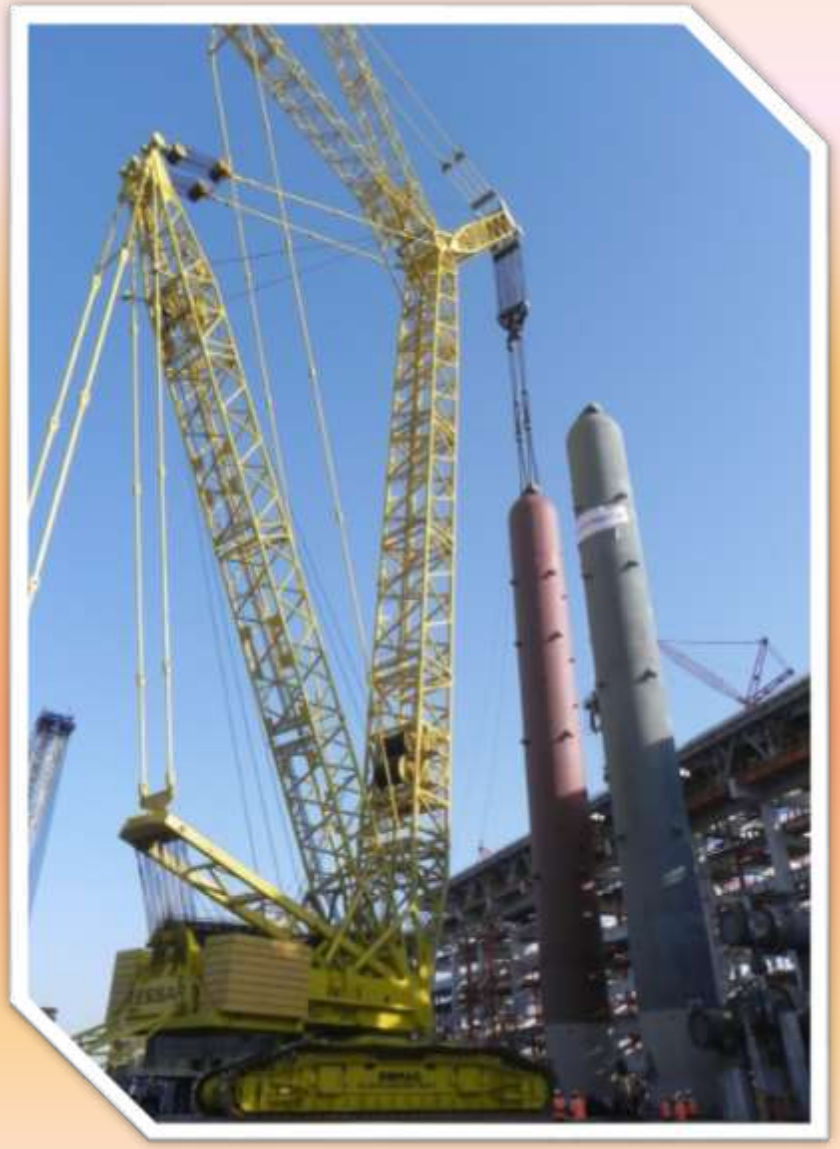
Quality & Safety Procedures

- General Roles and responsibilities
- Department manual
- Safety Procedure
- Safety Check List before Erection

MAJOR HEAVY LIFTS

ERECTION OF DHDT REACTOR - 1300 MT - upgraded DEMAG CC 12000/SUPER LIFTER 1600

VGO REACTOR ERECTION – 1450 MT Upgraded DEMAG CC 12000/SUPER LIFTER 1600



DEMAG CC 6800, 6 COKE DRUMS AT 30 METER ELEVATION)

Module Erection DCU

2ND VGO REACTOR ERECTION

LOCATION :- VGO-HDT UNIT

WEIGHT :- 1303 MT , HEIGHT:- 56 MTR

02 Nos. of Boiler Drums Erection at 62 Mtr. Elevation

MAJOR HEAVY LIFTS

- ***Every lift is engineered and planned in detail and includes an engineered rigging study to ensure maximum safety and efficiency throughout the entire lifting procedure.***
- ***All rigging equipment are regularly maintained and inspected to the highest standards and key components are further load-tested to ensure the utmost lifting safety.***

ERECTION OF 34RG-101 (REGENERATOR) = 298 MT
DEMAG CC 12000

ERECTION OF 34RG-102 - 209 MT
DEMAG CC 12000

MAJOR HEAVY LIFTS,

ERECTION OF 34R-101 – 225 MT (DEMAG CC 12000 & LR 1400)

ERECTION OF 35C-101 – 182 MT DEMAG CC 12000

DHDS ERECTION – 960MT (DEMAG CC 12000 & CC 2500-1)

CRUDE COLUMN ERECTION – 685 MT (DEMAG CC 12000)

1ST VGO REACTOR ERECTION

LOCATION :- VGO-HDT UNIT

WEIGHT :- 1303 MT, HEIGHT:- 56 MTR

DATE :- 31ST MAR'11

MAJOR HEAVY LIFTS - TRANSPORTATION

DHDT / VGO REACTOR TRANSPORTATION-1550MT

MAJOR HEAVY LIFTS TRANSPORTATION

STRIPPER COLUMN-500MT

COKE DRUM-450MT

DEBUTANIZER-650MT

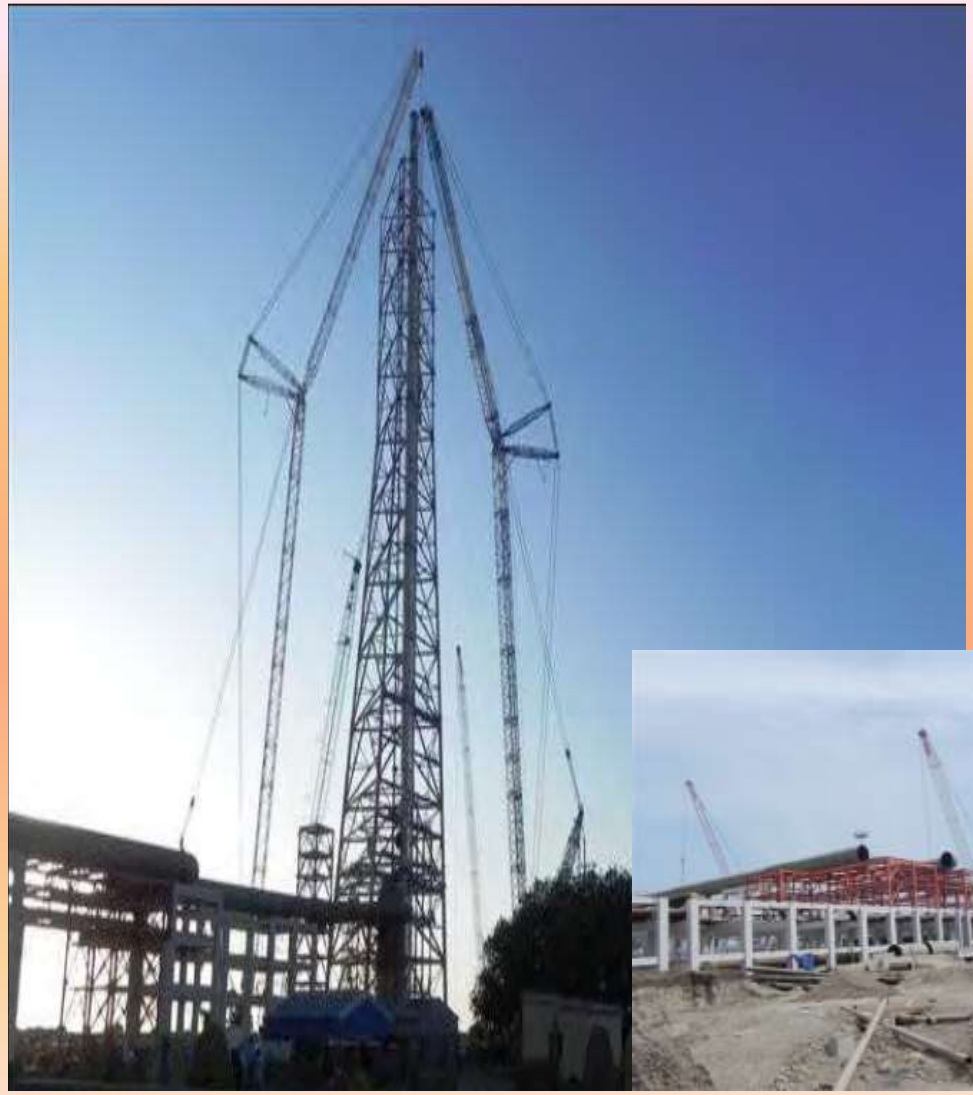
DESALLINATION PACKAGES-250MT

MAJOR HEAVY LIFTS, RO - RO OPERATION

TRANSPORTATION OF REACTOR

34 axles side by side axels were used for transporting Reactor (approx 1550 MT)

Flare – Derrick Structure & Piping Erection



FLARE – Derrick Structure

- Weight :- 1038 MT
- Height :- 141 mtr.
- Flare tip height :- 150 mtr.
- No. of Modules :- 06

FLARE - PIPING WORK

- Pipe Dia. :- 106 Inch
- Erection Scope :- 5600 MT

Coke Drum Deck Slab Concreting

1,800 Cum pouring in 17 Hrs. at an Elevation of 29 Mtrs.

CAPABILITIES :-

TURNAROUND PROJECT AT ESSAR OIL REFINERY, VADINAR (GUJARAT) IN SEP-OCT 2011

10-C-201: CRUDE DISTILLATION COLUMN

SCOPE OF WORK :

- **Replacement** of existing Collector Trays (07 nos.) and of existing Trays (64 nos.) with new including modifications in

  - ❑Tower Attachments
  - ❑Seal Pan with Ducts
  - ❑Sumps
  - ❑False Down comer
  - ❑Active Panels

VIEW OF STRUCTURED PACKING MOCK UP ASSEMBLY

11-C-201: VACUUM DISTILLATION COLUMN

SCOPE OF WORK :

- **Replacement** of existing Internal packing's with new/modified at **various Beds (4 nos.) &** Collector Trays with modifications in **Tower Attachments (5 nos.).**

- **Removal** of Mist Eliminator/ **Feed Pipes (6 nos.).**

11-C-201: VACUM DISTILLATION COLUMN

- **Installation** of New Feed Pipes / Spray Header Distributors / Trough Distributors with modifications - 06 nos.

- **Replacement** of existing Vane Distributor with new Vapor Horn & Replacement of existing Stripping Trays with New Trays after modification in Tower Attachments - 06 nos.

10-F-151 A/B : CDU HEATERS (2 Nos.)

SCOPE OF WORK :

- **Convection Section**
  - Removal & Insertion of 32 Nos. of Steam tubes.
  - Insertion of 64 Nos. of Process Tubes
  - Welding of 160 Nos. of Joints for Process & Steam Coils
- **Radiant Section**
  - Removal & Insertion of 48 Nos. of New tubes
  - Insertion of 48 Nos. of New Tubes
  - Welding of 132 Nos. of Joints

11-F-101 A/B : VDU HEATERS (2 Nos.)

SCOPE OF WORK :

- **Convection Section**
  - Insertion of 48 Nos. of Steam & Process tubes.
  - Welding of 128 Nos. of Joints for Process & Steam Coils
- **Radiant Section**
  - Replacement of 48 Nos. of existing tubes with new Tubes
  - Insertion of 32 Nos. of New Tubes
  - Welding of 208 Nos. of Joints

10-E-158 A-H: RAW CRUDE/HVGO EXCHANGERS

SCOPE OF WORK (08 Nos.):

- **Removal** of Existing Shells & Tube Bundles
- **Installation** of New Shells & Existing Tube Bundles after Cleaning
- **Modification** of connected Piping:
  - Dismantling - 22000 IM
  - Welding - 4736 ID
  - Erection - 22124 IM
  - Tie Ins - 62 Nos.

- Likewise I have handled many more equipment's more than 200 Mt like, stator, boiler drum, vessel etc.
- Till date successfully erected 200000 Mt material (Entire Essar Base refinery + Train-1 Expansion + 600 MW X 2 materials) from Jetty to Project site with departmental manpower under own supervision.
- Erected VGO REACTOR L-58 Mtr X W-8 Mtr Xdia 5.5 Mt- 1550 Mt - 03 nos. With Demag CC-12000-1 as Main crane & CC-6800 crane as tailing crane.
- Erected Coker fractionators- L-70 Mtr X 8 Mtr X dia 6 Mtr- 660 Mt with Demag CC-12000-1 as Main crane & CC-2500 crane as tailing crane.
- Erected Splitter column –L-84 Mtr X 8 Mtr X dia 9 Mtr – 500 Mt. Demag CC-12000-1 as Main crane & CC-2500 crane as tailing crane.
- Transportation of COKE drum- L-40 Mtr X 8.5 Mtr X dia 12 mtr- 500 Mt. Demag CC-6800-1 as Main crane & M-250 crane as tailing crane.
- Succefully Erect the world's tallest single crude column (Weight700 MT & Length 91M) by Using Demag CC-12000 as main crane and LR-1400 as tailing crane with departmental manpower.
- Likewise I have planned & erected many many more equipment's more than 200 Mt.
- Rotary equipment erection (pumps, Compressor), Alignment of pumps and compressor.
- Experience of working in Rig platforms for the erection of crane, Equipment's. Worked on ONGC Hira Deck for 15 days.

As a consultant following assignments has been done

- As a Heavy lift consultant heavy lift done for Essar Project India Ltd at Durgapur Site. Successfully lifted Co2 absorber (Dia 6 mtr X 52 mtr weight- 550 Mt) & HP/LP Flash drum (Dia 8 m x 51 mtr Weight- 450 Mt) in December 2012- Jan 2013
- Sulzer bidding work done and site visit for equipment erection in shutdown jobs year - 2014-2015.
- Essar oil Ltd stain low – Loading of 8 heavy lifts job at Vadodara Petron site o hydraulic axles. Later loading to the ship at kandala port Year 2014-2015
- Design of all rigging scheme, transportation arrangement, submission of method statement and calculations for Precast H-frame transportation and erection work at Sohar Refinery our client was QCPL. Jobe done at Sohar, Oman.- Year 2014-2015
- Road and River (Karnfully River) survey in Bangladesh for L&T power plant through M/s Value Freight (Mumbai) Pvt. Ltd. Year 2015-2016
- At Essar OIL Limited managed 100 cranes. Worke scope – placement of 100 cranes as par planed work. 150T, 200 T to 400 ton – 20 crawler cranes Assembly and dismantling (40 nos rigger team and crane operators). Execution & supervision of all heavy lifts operations. Year- 2015-2016.

- Essar Project India Ltd :- Handling of 1250 mt -2 nos pontoon on balloons and launching of pontoons in the sea. We have launched the pontoons on the balloons at Gogha site. Year -2016-2017.

- Erection of 1000 ton (100 m x 7.5 m x 7.5) bridge at Dahej with the help of 5000 Mt barge crane . Year -2016-2017

ACHIEVEMENTS……

- Completion of Delayed Coker Unit within a record span of 2.5 years with commissioning, which is second largest coking unit in India for Vadinar Refinery expansion project.
- Bailadila-Vizag slurry pipeline project – 267 kms long, which is the longest iron-ore pipeline in the world.
- Completion of Essar Steel Hazira 10 MMTPA capacity expansion project in record time, which is fourth largest single steel producing plant in India.
- Completion of D1 Development project on fast track basis within record time of 24 months for ONGC, scope of work includes Engineering. Procurement, Construction & Commissioning.
- Essar Projects achieves milestone in construction of India's largest Prilling tower-28 mtr diameter & 1.3 mtr wall thickness for Matix Fertilizer project, Durgapur.
- Successful load testing of DEMAG CC12000, This Technical Process of the Construction Team of Essar Projects (I) ltd. (EPIL), Vadinar, has enabled ESSAR to be the proud owner of the Largest Crane in India, with a Capability to Handle 1600 MT.
- In-house erection of all the equipments- 31,700 MT including all the heavy lift equipments in Vadinar Refinery Project,
- Heaviest transportation & erection of VGO Reactors-1555 MT handling weight, 1305 MT erection weight at Vadinar Refinery project, Gujrat
- Erection of 2800 MT Coke Drum structure in just 11 days in Delayed Coker Unit for Vadinar Refinery Expansion project.
- Mass pouring of 1800 CUM of Coke Drum deck slab in 17 hrs. of operation at an elevation of 29.00 mtr. in Delayed Coker Unit-Vadinar Refinery project.

ACHIEVEMENTS……

- 92 mtr. dia. x 20 mtr. Height Crude Storage tank – Mechanical completion achieved in record time of 213 days for Vadinar Refinery Expansion project.
- Completion of Mangala Crude system at Vadinar Refinery-enabling ESSAR to become one of the refiners to receive Mangala crude.
- Completion of Refinery Turnaround project (Sept/Oct-2011) for EOL, Vadinar Refinery project with 03 days before the set target.
- Rolling of 5600 MT of plates for 106” Flare pipe erection inhousely in record time for Vadinar Refinery expansion project.

Past Experience

- Planning & scheduling of erection work and executing the same at Site.
- Handled the team of 25 Engineers, 600 riggers, 50Mw fitter, 8 Gas cutter and 4 welders.
- Construction Methodology
- Erection activities (Static & Rotary Equipments), for CDU/VDU/SGU, CCR/NHT, VBU Unit, FCCU Unit, and ARU/SRU/DHDS/ISOM/VGO/DHDT/DCU, POWER PLANT 600 MW X 2.
- Till date successfully completed the Transportation of 300000 Mt material (Entire Essar Base refinery + Train-1 Expansion + 600 MW X 2 materials) from Jetty to Project site with departmental manpower under own supervision.
- Transportation of VGO REACTOR L-58 Mtr X W-8 Mtr Xdia 5.5 Mt- 1550 Mt - 03 Nos on 34AXLE side by Side Nicolas Make axles.
- Transportation of Coker fractionators- L-70 Mtr X 8 Mtr X dia 6 Mtr- 660 Mt on 18 axle side by bolster arrangement.
- Transportation of Splitter column –L-84 Mtr X 8 Mtr X dia 9 Mtr – 500 Mt. on axle side by side bolsters arrangement.
- Transportation of 6 COKE drums- L-40 Mtr X 8.5 Mtr X dia 12 mtr- 500 Mt. on 20 axle side by side arrangement.

Commercial Information

SR.NO.	DESCRIPTION	REFERENCE DATA
1	COMPANY REG. ADDRESS	H1-G-2, Sonigara, Keshwnagar, Chinchwad, Pune-33
2	COMPANY WORKS ADDRESS	H1-G-2,Sonigara,Keshwnagar,Chinchwad,Pune-33
3	BANK AC DETAILS	HDFC Bank Ltd, Thermax chauk, Pune. AC/No-17952020001301
4	PAN NO.	AAMPI0289B
5	GST NO.	27AAMPI0289B1ZU
6	SERVICE TAX NO	AAMPI0289BSD001
7	CONTACT PERSONS	MR. Jitendra Ingale (MANAGING DIRECTOR.) (+91 9503186868)
8	EMAIL ADDRESS	mudra.india@gmail.com

THANK YOU