
A V E S T A

ENGINEERING

Process Equipment & Modules

Mundra, Gujarat, Western INDIA



A V E S T A

Introduction

Avesta Engineering Pvt. Ltd. is a Joint Venture Company between Pyramid E&C Group and Bakshi Chempharma Equipment Pvt. Ltd.

Pyramid E&C group founded in 1995 is a leading provider of engineering services and solutions for energy industry.

Bakshi Chempharma Equipment founded in 1993, has been manufacturing complex process equipment and systems since.

Vision & Mission

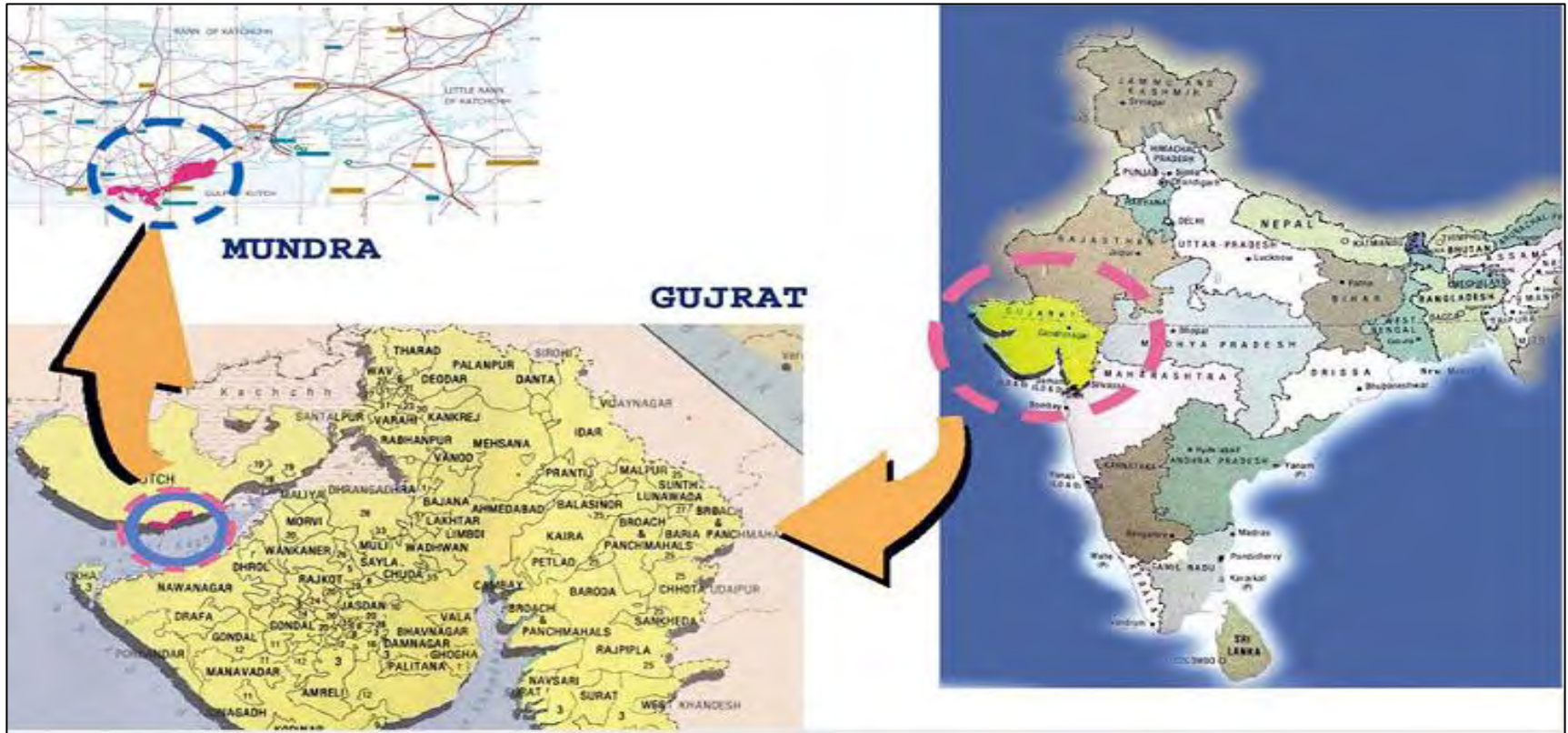
VISION

AVESTA aspires to be the preferred supplier of high quality Process Equipment and Modules for Onshore and Offshore Oil, Gas and Hydrocarbon industry worldwide.

MISSION

To deliver Process Equipment and Modules meeting or exceeding customer expectations, conforming to all technical and statutory requirements, in a safe, reliable, time bound and cost effective manner.

Location



Avesta is located in Special Economic Zone near Mundra Port in Gujarat, Western India.

Products



Process Modules



Heat Transfer Equipment











Pressure Vessels








Spooling & Structural

Products: Process Modules

Avesta offers Modular Process Plants and has full multidiscipline engineering and well as fabrication capability, the range includes:

-  **Oil & Gas Separation Systems**
-  **Gas Dehydration Systems**
-  **Produced water Treatment System**
-  **Gas Conditioning System**
-  **Amine Sweetening System**
-  **Chemical Injection Skids**
-  **Desalters and Dehydrators**
-  **Flare Skids**

Products: Heat Transfer Equipment

-  **Shell & Tube Heat Exchangers**
-  **Air Cooled Heat Exchangers**
-  **Fired Heaters**
-  **Power Plant Feed Water Heater**
-  **Surface Condensers**

AVESTA is having Thermal design capability and shell and tube heat exchangers can be offered with process guarantee.

Products: Pressure Vessels

 **High Pressure Equipment**

 **Distillation Towers**

 **Mounded Bullets**





 **Horton Spheres**

 **Stacks and Chimneys**

 **Power Plant Deaerators**

AVESTA has load out facility for equipment up to 750 Tons in a single piece through Mundra Port.

Products: Spooling & Structural

-  **Piperack Modules**
-  **Structural Assemblies**
-  **Piping Systems on turnkey basis**
-  **On site Retrofit work**

AVESTA has capability to carry out structural as well as piping detailing and can provide the turnkey solution.

Quality

- ▲ **AVESTA is committed to meet Quality requirement as per desired standards in all respects aiming for continual improvement.**
- ▲ **For Engineering and Project Management, AVESTA is currently using Quality Management system of Pyramid E&C group, which is ISO:9001 certified**
- ▲ **For Fabrication, AVESTA is using Quality management System of Bakshi Chempharma Equipment, which is ISO:9001 certified and “ASME U” stamp holder.**



ISO 9001:2000 Certificate



ASME- U Certificate




Health Safety & Environment

AVESTA supports the philosophy that Health and Safety is vitally important to a successful business and has integrated the same in all work practices.

AVESTA is fully dedicated to its Health and Safety Program and shall comply with applicable national and international regulations and Standards such as ISO-14001 and OHSAS-18001

Services – Fabrication

Avesta offers the following range of Fabrication Services:

-  **Multi Discipline Shop drawings**
-  **Pressure Vessel Fabrication**
-  **Spooling & Structural Fabrication**
-  **Electrical & Instrumentation Hook-up**
-  **Heat Treatment**
-  **Non-Destructive Testing**
-  **Surface Preparation & Painting**

Facility : Fabrication

 **Total Facility Area 20,000 m², Covered Area 8,000 m²**

 **Pressure Vessel Fabrication Shop**

 **Pipe Spool Fabrication Shop**

 **Structural Fabrication Shop**

 **Electrical and Instrumentation Hook-up**

 **Spool & Shop drawing office**

 **Shot Blasting, Heat treatment & Painting**

 **Warehouse, Shipping & Handling**

Maximum ODC size 12M W x 10M H x 30 M LG (750 T)

Facility: Engineering

 Heat Exchanger Thermal Design

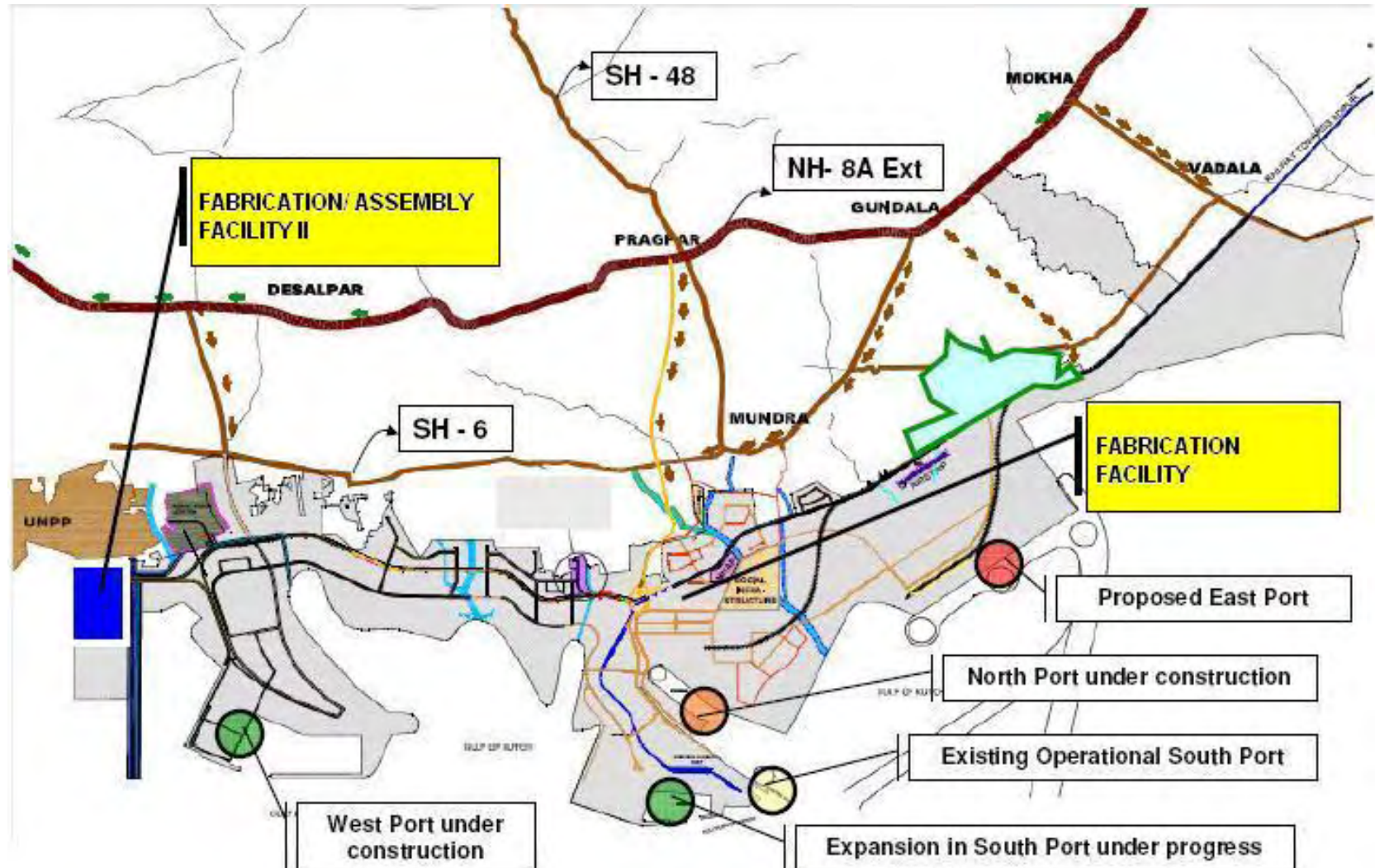
 Mechanical Design

 Finite Element Analysis

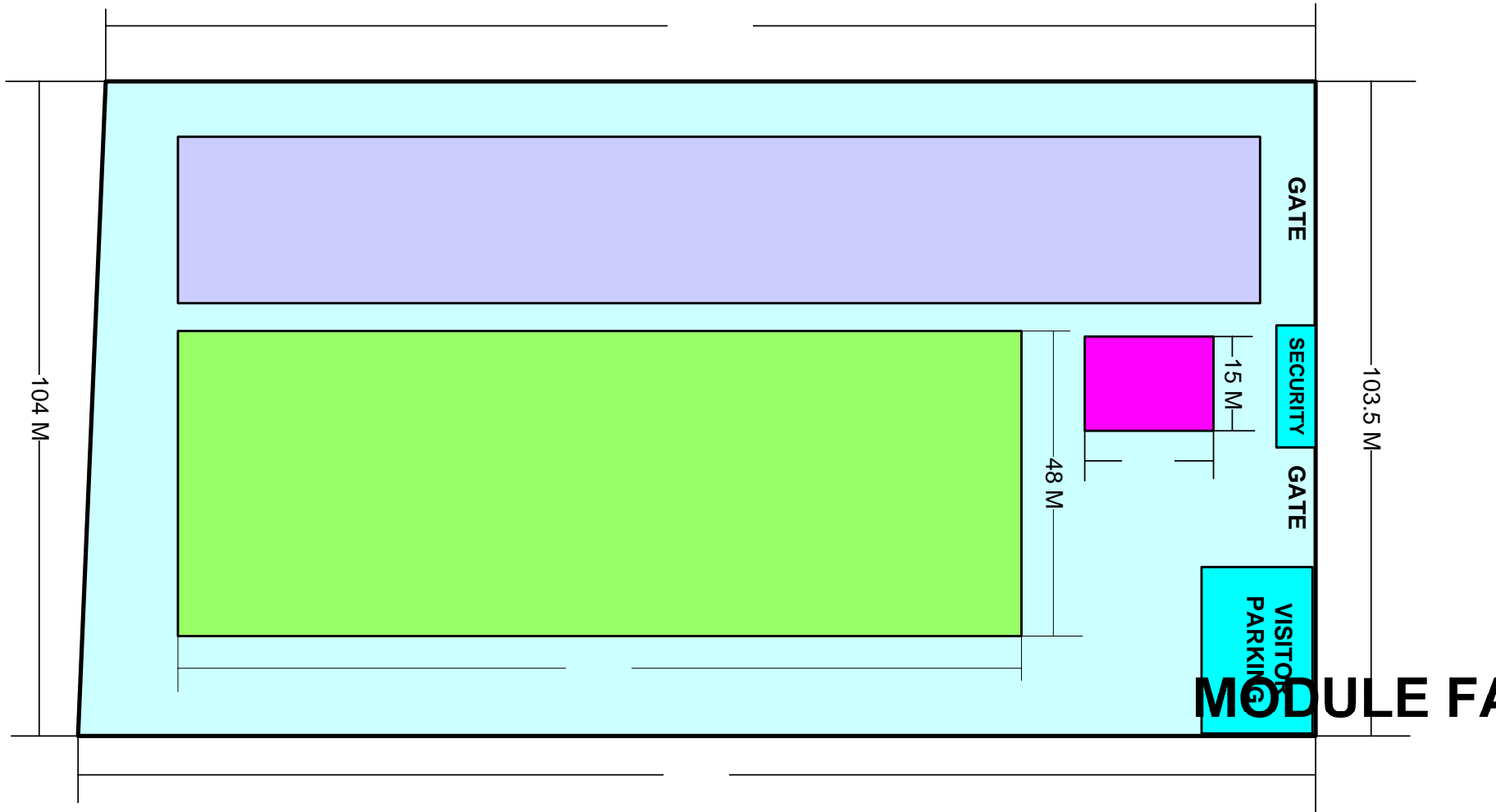
 Multidiscipline Detailing



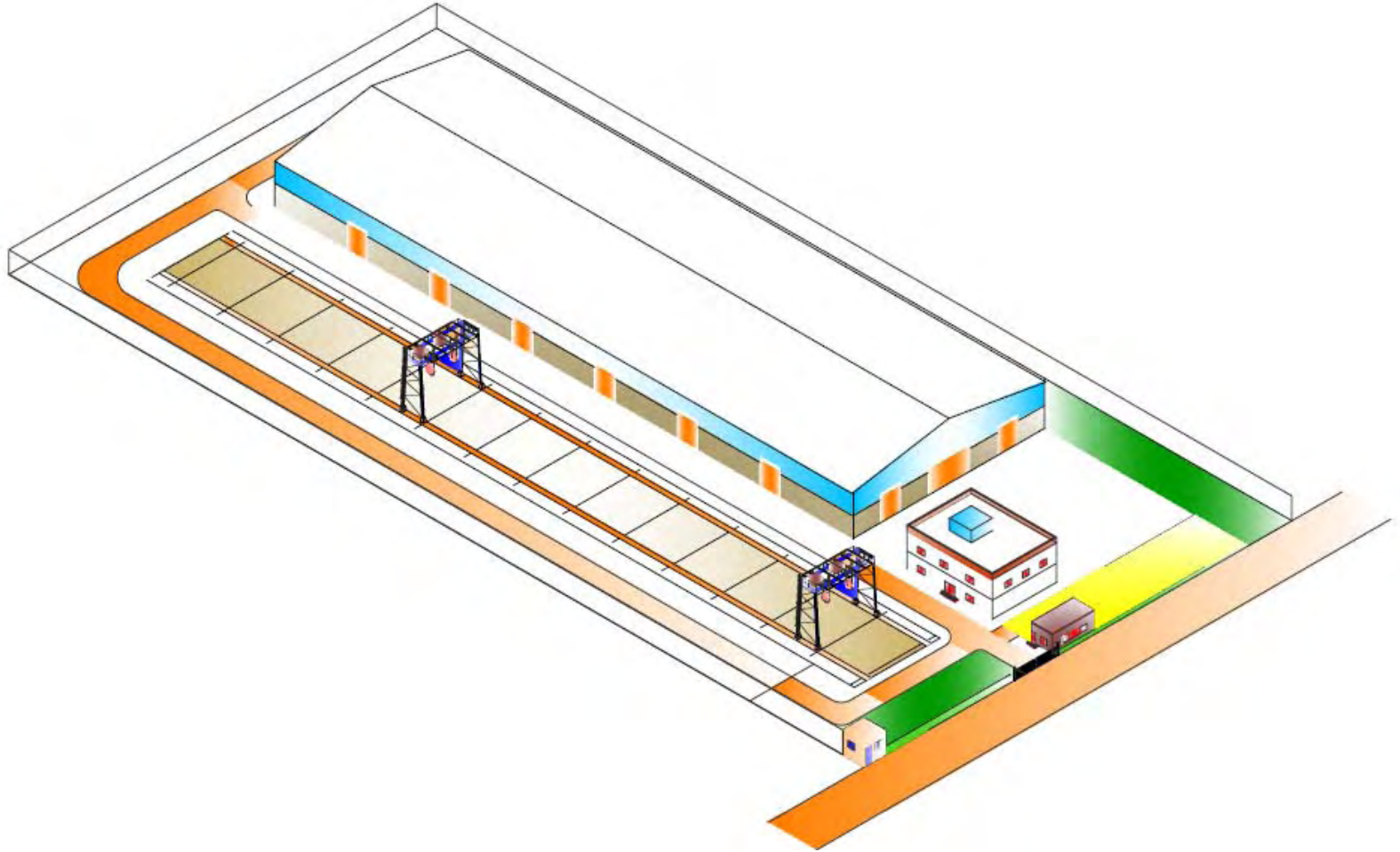
Mundra SEZ Map



Facility : Fabrication



Facility : Fabrication



AVESTA

Facility: Machinery

ITEM	SPECIFICATION	QTY
Gantry Crane	100 T	2
Shop Crane	40 T EOT	2
Shop Crane	20 T EOT	4
Shop Crane	5 T EOT	2
Plate Bending Machine	20T x 2500 W	1
Plate Bending Machine	80T x 3000 W	1
Hydraulic Press	150T	1
Hydraulic Press	500T	1
CNC Drilling Machine	50T x 2000 XY	1
Lathes	2000 Dia x 3500 L	1
Radial Drilling Machines	65 Dia x 2000 L	2
Welding Machines	SMAW/ GTAW	15
Welding Machines	GMAW	05
Welding Machines	SAW	02

Facility: Machinery

ITEM	SPECIFICATION	QTY
CNC Profile Cutting Machine	12 M x 2.5 M x 100T	01
Plasma Cutting Machines	50T	01
Hydra	10T	02
Forklift	5T	02
Tank Rotators	10T	06
Shot Blasting Booth	3M x 3M x 10	01
Paint Booth	7 M X 7 M X 15 M	01
Heat Treatment furnace	2 M x 2 M x 6 M	01
Diesel Generator Sets	63 KVA	02

Assembly Facility

 **Total Area of 40,000 m²**

 **Water Front 100 M**




 **Delivery Capability of Modules upto 1200 Tons.**

 **Channel depth – 4.5 M**

 **Facility under development**

Facility : Load Out

MUNDRA PORT NAVIGATION DATA

-  All weather port, depth of 17.5 M
-  Maximum ODC size 12M W x 10M H x 30 M LG (750 T)
-  Water Channel depth about 4.5 meters (future facility)

VOYAGE TIME

- Mundra - Karachi 17 Hrs.
- Mundra - Jebel Ali 3 Days
- Mundra – Rotterdam 18 Days
- Mundra - Mombasa 7 Days

Local Infrastructure

-  **Workers Camps**
-  **Hotels**
-  **Clubs & Multiplex**
-  **Executive Apartments**
-  **Shopping Centers**
-  **Multi-Specialty Hospital**
-  **Schools & Colleges**
-  **Industrial Training Center**



Construction of residential units to accommodate 12,000 families at advanced stage



Construction of Worker's Colony for 5,000 workers completed

Connectivity



Rail



Air



Sea



Road

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