

FACILITIES

Paradip is one of the Major Ports of India and late Sri Biju Pattanaik the then Chief Minister of Orissa is the founder father of Paradip Port. Pt. Jawaharlal Nehru the then Prime Minister of India laid the foundation stone of the Port on 3rd January 1962 near the Confluence of river Mahanadi and Bay of Bengal. Government of India took over the management of the Port from the Government of Orissa on 1st June 1965. The Port was opened to Traffic on 12th March 1966. Government of India declared Paradip as the Eighth Major Port of India on 18th April 1966 making it the FIRST MAJOR PORT in the East Coast commissioned after independence.

THE POSITION OF THE CHANNELS IS AS UNDER :

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|------------------|--|
| Approach Channel | 2020.0 mtrs. Long 190.00 mtrs. Wide (-) 15.00 mtrs. Deep |
| Entrance Channel | 500.00 mtrs. Long 160.00 mtrs. Wide (-) 13.00 mtrs. Deep |
| Turning Basin | 520.00 mtrs. Diameter. |

PILOTAGE & TOWAGE FACILITIES :

The Pilotage is compulsory for all vessels above 200 MTs Gross Tonnage. The Pilotage service is available to all vessels during 24 hours and 365 days. The Pilot Boarding ground is about 2 miles ESE of Breakwaters. All the vessels have to inform their ETA prior to entering the Port Limits to the Port Signal Station on VHF Channel: 16 / 06. The Port has 3 Nos. Tugs having BP more than 40 Tons and 2 Nos. Tugs having BP more than 50 Tons. All the tugs are fitted with fire fighting equipments for external general and oil fire. The Port is having 04 Nos. Pilot Launches having speed more than 12 knots. 02 Nos. Mooring Boats are also available for passing the Mooring Lines to the Berth / Jetty.

MARINE POLLUTIONS & RECEPTION FACILITIES :

The Port Complies to all the Regulations of MARPOL 73/78 and has a Pollution Control Cell to monitor the Pollution in the Harbour. The Port has a Pollution Control Vessel with a Skimmer, chemical dispersant spray system and Oil Containment Boom. The Port also has a 300 T Oil Reception Barge. The Port has engaged private firms having permission from Central Pollution Control Board and State Pollution Control Board to receive waste / used / oily water from the vessels for re-processing / recycling as required by MARPOL 73/78 Annexure-I. The Port has also engaged private firms to collect garbage from the vessels in Port as required by MARPOL 73/78 Annexure-V. The reception facilities for other annexures of MARPOL 73/78 can be arranged by advance notice given by ship owners / local agents.

SAFETY & SECURITY FACILITIES :

The Port complies to all National & International Regulations with regard to the Safety of the vessels in Port. In case of Fire, accidental flooding, grounding, collisions, man over board etc., the Port is well equipped to take prompt and immediate action from land as well as from water side. Port has installed CCTV Security Surveillance System as an enhanced security measure. The Port complies to all the requirements of ISPS Code and is having an ISPS Cell in full operation.

BERTHS & HANDLING FACILITIES:

IRON ORE BERTH

| | |
|-------------------------------------|-----------------------------------|
| Commissioned | 12.03.1966 |
| Jetty length | 210 mtrs. |
| Jetty Width | 13.75 mtrs. |
| Distance between Dolphin to Dolphin | 320 mtrs. |
| Maximum LOA of Vessels accepted | 260 mtrs. |
| Maximum Beam of Vessels accepted | 40 mtrs. |
| Draught | 13.20 mtrs. |
| HANDLING FACILITIES | |
| Rated Capacity of the Plant | 2500 MT/Hr. |
| No. of Bucket Wheel Reclaimers | 03 Nos. |
| Rated Capacity of Reclaimers | |
| No. 1 | 1750 MT/Hr. |
| No.2 | 1500 MT/Hr. |
| No.3 | 3000 MT/Hr. |
| Rated Capacity of Shiploader | |
| No.1 | 3000 MT/Hr. |
| Wagon Tippler (Rotary Type) | |
| Total Nos. | 02 Nos. (i.e. TP-149 and TP-150) |
| Rated Capacity | 2500 MT/Hr |
| Capacity per Table | 25 Wagons/Hr |
| Annual through-put of the Plant | 4.5 Millions Tonnes |
| Average daily loading | 20,000 Tonnes |
| | |

COAL BERTHS AND MECHANISED COAL HANDLING PLANT

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|-------------------------------|--|
| Commissioned | 11.09.2001 |
| Jetty length | 520 mtrs. |
| Draught | 12.50 mtrs. |
| HANDLING FACILITIES | |
| Design Capacity of the Plant | 20.0 Million tones per annum |
| Rated Capacity of Stackers | 4000 MT/Hr (02 nos.) |
| Rated Capacity of Reclaimers | 4000 MT/Hr (02 nos.) |
| Stack Yard Capacity | 6.5 Lakh MTs |
| Rated Capacity of Ship Loader | 4000 MT/Hr (02 nos.) |
| Track Hopper at RRS | 04 wagons per table (02 nos.) |
| Mode of un-loading | Mechanized un-loading from BOBR wagons on a Merry-GO-Round system (MGR). (Two streams of 4000 tonnes/hrs.) |

GENERAL CARGO BERTHS :

Port has a total of 08 nos. of general Cargo berths. These berths are multipurpose in nature and generally used by vessels for loading / unloading thermal coal, Chrome Ore, Manganese Ore, Iron Ore , Charge chrome , ferro Chrome , ferro Manganese, steel coils, coking Coal, Hard Coke , limestone, food - grains , fertilizer, DBM, steel billets, Scrap , Clinkers, Project Cargo etc.

| | |
|---------------------------------------|------------------------------|
| First cargo berth | Commissioned on 15.04.75 |
| Length | 281.00 mtrs. |
| Draught | 11.00 mtrs. |
| Second cargo berth | Commissioned on 30.11.84 |
| Length | 205.00 mtrs. |
| Draught | 11.00 mtrs |
| Third cargo berth | Commissioned on 31.03.85 |
| Length | 200.00 mtrs. |
| Draught | 12.00 mtrs. |
| Fourth cargo berth i.e. South quay | Commissioned on 31.03.87 |
| Length | 265.00 mtrs. |
| Draught | 12.00 mtrs. |
| Fifth , Sixth and Seventh cargo berth | Commissioned between 12/1985 |

| | |
|--|----------------------------|
| i.e. Central quay 1,2,3 | to 09/2001 |
| Length | 755.0 mtrs. |
| Draught | 12.50 mtrs. |
| Eighth cargo berth i.e. Multi Purpose berth | Commissioned on 11.09.2001 |
| Length | 235.00 mtrs. |
| Draught | 12.50 mtrs. |

OIL JETTY :

| | |
|---------------------------|--------------|
| Commissioned | 29.03.2003 |
| Length Dolphin to Dolphin | 300.00 mtrs. |
| Draught | 13.00 mtrs. |

CAPTIVE BERTHS :

| | |
|----------------------------|---|
| Fertilizer Berth - No.1 | Commissioned on 12.10.1985 |
| Length | 250.0 mtrs. |
| Draught | 12.50 mtrs. |
| Operated by | M/s. Paradip Phosphates Ltd. (PPL) |
| Fertilizer Berth - No.2 | Commissioned on 01.12.1995 |
| Length | 250.0 mtrs. |
| Draught | 12.50 mtrs. |
| Operated by | M/s. Indian Farmers Fertilizers Cooperatives limited (IFFCO) |

Installation and commissioning of Single Point Mooring (SPM):

The Single Point Mooring (SPM) facility for handling VLCC vessels of Indian Oil Corporation has become operational from 28.12.08 onwards.

Container Handling facilities :

The port handles containers in a limited manner with cargo support from Nalco, TISCO and others. The port has 500 TEUs capacity container yard served with two railway sidings. The port has one 75MT, one 30 MT, one 20 MT and one 18 MT mobile cranes, two spreaders, 40 feet and 20 feet to handle containers in the yard.

STORAGE FACILITIES :

There are four Transit Sheds inside and two Warehouses outside the Port prohibited area.

| TRANSIT SHED | AREA (Sq. mtr) | Capacity (in mtr) |
|---------------------|-----------------|--------------------|
| Transit Shed No.I | 5000 | 14000 |
| Transit Shed No.II | 4600 | 6700 |
| Transit Shed No.III | 4500 | 6000 |
| Fertilizer Shed | 1360 | 3300 |
| TOTAL | 15460 | 30,000 |

| WARE HOUSE | AREA (Sq.mtr) | Capacity (in mtr) |
|------------------|---------------|--------------------|
| Ware House No.I | 1711 | 4000 |
| Ware House No.II | 6000 | 14000 |
| TOTAL | 7711 | 18000 |

| OPEN (CONCRETE) | AREA (Sq. mtr) | Capacity (in mtr) |
|-----------------|-----------------|--------------------|
| Godown No.I | 3860 | 7250 |
| Godown No.II | 2670 | 5000 |
| Godown No.III | 1980 | 3750 |
| Godown No.IV | 2180 | 4000 |
| Godown No.VI | 1780 | 3400 |
| TOTAL | 12470 | 23400 |

| OPEN STACK YARDS | AREA (Sq.mtr) |
|------------------|----------------|
| Rail Sidings | 753600 |
| Mechanical Ore | 105000 |
| Mechanical MCHP | 123000 |
| Without Siding | 777500 |
| Covered | 23171 |
| Concreted | 74000 |
| TOTAL | 18,56,271 |

CARGO HANDLING EQUIPMENT :

The Port has at present the following equipments for efficient and smooth loading/unloading operations:

| Name of Equipment | Nos. Available | Capacity (in MT) |
|----------------------|----------------|-------------------|
| Wharf Cranes | 02 | 20.0 |
| Mobile Crane | 01 | 20.0 |
| Mobile Crane | 01 | 75.0 |
| Mobile Harbour Crane | 02 | 140.0 |
| Mobile Harbour Crane | 01 | 100.0 |
| Forklift Truck | 02 | 3.0 |
| Pay loaders | 01 | 3.50 Cu.Mtr |
| Pay loaders | 02 | 4.70 Cu. Mtr |

PORT RAILWAYS :

The Port has its own Railway system. The route length is 9.8 Kms and track length is 82 Kms. There are 7 nos. of Locomotives to undertake railway operations as indicated below:

| | |
|----------|--------------------|
| 1150 BHP | 01 (BHEL) |
| 1350 BHP | 02 (BHEL) |
| 1400 BHP | 04 (DLW-WDS-6) |
| 1350 BHP | 02 (DLW- WDS-6A/D) |
| 3100 BHP | 01 (DLW-WDG-3A) |

Port has 25 railway sidings capable of handling full rakes of 58 BOX N type of wagons.

WATER SUPPLY AND BUNKERING :

Adequate supply of water to Ships is available at all berths. Bunkering facilities are also made available by Indian Oil Corporation through road tankers. The Port is also having a self - propelled Barge with a capacity of 400MTs to supply fresh water at anchorage.

REPAIRING FACILITIES :

The Port has a 500 Ton slipway along with workshop for repair and maintenance of Port crafts and barges. A Wet Basin for Port crafts is available close to the Slipway.

There is a well-equipped Central Workshop for repair and maintenance of Port equipments. This workshop can undertake repair jobs for ships, incase of need.

The dry dock of dimension 75mtrs length, 15mtrs width and 11mtrs depth has been constructed at this port to facilitate repairing of crafts. Vessels of (-5.5)mtrs draft can be repaired at paradip.

ELECTRONIC DATA INTERCHANGE (EDI):

The Port has introduced EDI for all payments made to the port by its users. The concept is to connect the port users, the bank and the port for faster and easier transfer of funds. The 'single-window service' facility is available at the Port through its Central Documentation Center (CDC).