

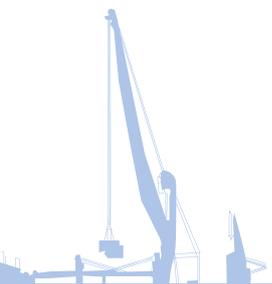
THE PORT OF CALL FOR EASTERN INDIA



KOLKATA PORT TRUST
HALDIA DOCK COMPLEX



SAGARMALA
PORT-LED PROSPERITY



Haldia Dock Complex Redefining Opportunities



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Head Office, Kolkata Port Trust

Kolkata Port Trust (KoPT) with its two Dock Systems Haldia Dock Complex (HDC) & Kolkata Dock System (KDS) is the gateway to Eastern India for the rest of the world.

Haldia Dock Complex (HDC) a modern dock complex of Kolkata Port Trust came into existence in 1977 for handling large vessels with higher draft and for mechanised system for handling dry bulk cargo with high productivity.

HDC has a vast hinterland comprising the entire Eastern India including West Bengal, Bihar, Uttar Pradesh, Jharkhand, Assam, North Eastern Hill States and the two landlocked neighbouring countries of Nepal and Bhutan.

HDC serves a hinterland comprising major steel plants of SAIL (at Durgapur, Bokaro and Rourkela), Tata Steel (Jamshedpur), Power Plants of NTPC (at Farakka and Kahelgaon), TNEB (at Tuticorin & Ennore), WBPDC and CESC (in West Bengal), high grade Iron-Ore and Coal Mines and Haldia based industries like Haldia Refinery (IOCL), Sugar (Shree Renuka Sugar), Coke (Tata Steel), Fertilizer (Tata Chemicals), Petrochemicals & Chemical Industries (HPL/MCC PTA, Dhunseri Petrochemicals etc.), Edible Oil Refineries (Ruchi Soya, Adani Wilmer, Emami Biotech, Gokul Refoils etc.) and storage distribution tanks of HPCL, BPCL, IMC, AVR & Co, Sanjana Cryogenics, JVL Agro Industries Ltd., IFB Agro etc. In addition, there has been a substantial Government Expenditure in establishment of road and rail connectivity to Haldia Dock Complex which is being upgraded at a considerable cost.

During 2017-18, Haldia Dock Complex has handled 40.5 million tonnes of cargo by 2113 vessels and has the potential to grow substantially in the near future. M/s AECOM India Pvt. Ltd. has prepared a Master Plan for Kolkata Port Trust, where they have projected about 55.1 million tonnes (base case) and 67.1 million tonnes (optimistic scenario) of cargo by the year 2025 and that may grow up to about 81.0 tonnes (base case) and 104.0 million tonnes (optimistic scenario) by 2035. In keeping with this, Kolkata Port Trust has conceptualised various capacity augmentation and modernisation schemes for implementation at Haldia Dock Complex.



Jawahar Tower, Haldia Dock Complex

Quality Policy

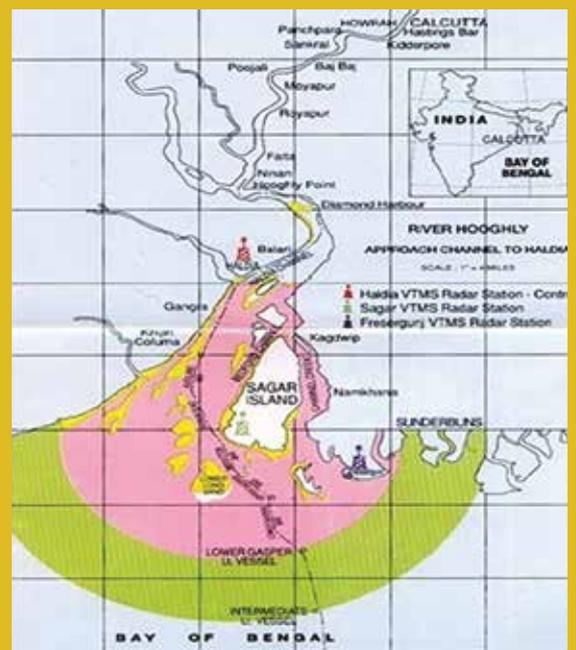


Haldia Dock Complex commits itself towards creation of values for all the customers and other stakeholders through continual improvement of services, systems and processes.

This policy is being reviewed for ensuring its alignment with the strategic direction of the organisation and serves as the basis for establishment and review of its Quality objectives.

Location

- Latitude: 22'-02' North
- Longitude: 88'-06' East
- 104 km downstream from Kolkata
- 130 km upstream from Sandheads
- 45 km upstream from Pilotage Station
- Average Pilotage Time: 3 Hours



Connectivity

Rail: Connected to Trunk Railways through South Eastern Railway by Panskura-Haldia Broad Gauge electrified Railway Section. Doubling of the section nearing completion.

Road: National Highway 41 connects Haldia Dock Complex with National Highway 6 to the rest of the country.



National Waterway: Haldia is connected to
a) Eastern & Northern part of India by National Waterways-I
b) Assam & north eastern states by National Waterways-II
c) Bangladesh protocol route

Facilities

OUTSIDE LOCK GATE

- 3 Riverine Oil Jetties
- 2 POL Barge Jetties
- 1 Floating Cargo Handling Terminal
- 2 Fly Ash Jetty

INSIDE IMPOUNDED DOCK

- 2 BOT Berths (1 Fully Mechanised Dry Bulk another Convention Multipurpose Berth viz. 4A & 12)
- 2 Berths for handling containers (10 & 11)
- 4 Berths equipped with MHCs for handling Dry Bulk Cargo (2, 8, 4B & 13)
- 4 Berths primarily for handling Liquid Bulk Cargo (3, 5, 6 & 7)
- 1 Fully mechanised berth for loading coastal thermal coal (4)
- 1 Multipurpose Berth (9)

2 FLOATING CRANE FACILITIES

- At Sagar and other deep drafted location within KoPT limit

LOCK ENTRANCE

- Length – 330 m and Width – 39 m

TURNING BASIN

- Diameter- 545 m



Details of Existing Berths at Haldia Dock Complex



Liquid Cargo Handling Terminals

Jetty	Annual Capacity (million tonnes)	Cargo Handled
HOJ – I	2.6	POL (products), paraxylene, liquid ammonia, LPG, FO, naphtha, various types of chemicals
HOJ – II	3.7	Crude and POL (products), naphtha and LPG
HOJ - III	4.4	Crude, POL products, naphtha, LPG and edible oil
Berth Nos. 5, 6 & 7	4.2	Edible oil, CBFS, phosphoric acid, various types of non hazardous and non dangerous liquid cargo
POL Barge Jetty	0.4	POL products

Facilities are also available for handling liquid cargo at the following berths along with other cargo

Berth No.	Cargo Handled
Berth No. 2	Paraxylene
Berth No. 3	Edible Oil, SKO, Paraxylene, FO, HSD
Berth No 4	Edible Oil

Floating Pipeline Facility

The facility is available for handling edible oil tankers in double banking position at Berths 5 & 6 within the impounded dock system with a annual capacity of 0.5 MMTPA



Container Terminal



Berth No.	Equipment Available	Annual Capacity
10 & 11	HDC has a state-of-the-art Container Terminal. The terminal has a quay face of 432 meters and is equipped with 2 RMQC, 4 RTYGC, Tractor Trailers and Reach Stackers. The terminal has available ground slots of 1,436 TEUs with 3/4 high stacking facility.	0.2 million TEUs

KoPT has invited tender for procurement of 3rd RMQC with extension of RMQC track covering Berth No. 9 to enable handling of containers at Berth No. 9 along with berth nos. 10 & 11. KoPT has also planned to increase the Container Stacking Area for handling the additional containers.



Dry Bulk Cargo Terminal

Berth No.	Facility Available	Types of Cargo	Annual Capacity (in MMTPA tonnes)
2	Two Mobile Harbour Cranes (MHC) and adequate shore handling equipment like dumpers, payloaders, bulldozers etc. for servicing panamax and handimax vessels. The berth is capable of handling Dry Bulk Cargo at 20,000 MT per ship-day. HDC undertakes both on-board as well as shore handling operations at both the berths through contractors.	Coking coal, limestone, coke, manganese ore, gypsum and other Dry Bulk Cargo (except edible commodities)	4.2
4	Fully mechanised facilities comprising 2 Wagon Tippers and 2 Yard Conveyors each having 1 Stacker Cum Raclaimer linked to 2 Shuttle Boom Ship Loaders capable of loading cargo @ 18,000 MT per ship-day.	Thermal Coal for coastal export. Edible oil vessels can also be handled through pipelines.	4.0
4A (BOT Berth operated by International Seaports Haldia Pvt. Ltd.)	Fully mechanised facility comprising 2 Unloaders connected to Conveyor System for unloading coking coal @ 14,000 tonnes/day and transfer of cargo from ship to storage yards. Mechanised facilities are available for loading of railway wagons.	Dry Bulk Cargo like coking coal, FRM, soda ash etc.	4.1
4B	2 Mobile Harbour Cranes (MHC) and adequate shore handling equipment like dumpers, payloaders, bulldozers etc for servicing panamax and handimax vessels. The berth is capable of handling Dry Bulk Cargo at 20,000 MT per ship-day. The shore handling operation is undertaken by licensed Handling Agents appointed by Haldia Dock Complex.	Dry Bulk Cargo except edible commodities	4.2
8	2 Mobile Harbour Cranes capable of providing ship-day output of 20,000 tonnes per day. HDC undertakes both on-board as well as shore handling operations at both the berths through contractors.	Coking Coal, Limestone, General and other Dry Bulk (except edible commodities)	4.2
13	2 Mobile Harbour Cranes of capacity 100 Tonnes each for loading and unloading of Dry Bulk and Break Bulk Cargo. The productivity of this berth for Dry Bulk Cargo is 20,000 MT per Ship-day. The shore handling operation is done by licensed handling agents appointed by KoPT.	Various clean dry bulk including edible commodities and Break Bulk Cargo	4.2
KoPT owned Fly Ash Jetty (upstream of IWAJ Jetty)	2 pipelines and compressor for direct loading of fly ash pneumatically from road borne vehicles	Fly Ash	0.5
Barge Jetty owned by IWAJ	Pipelines and compressor	Fly Ash	0.5



Multipurpose Terminal



Berth No.	Facility available	Types of cargo	Annual capacity
3	Loading/unloading of Dry Bulk as well as Break Bulk Cargo using ship's gears. The shore handling operation is undertaken by licensed Handling Agents appointed by Haldia Dock Complex. Edible oil is also handled through pipeline.	Dry Bulk Cargo	2.3
9	Loading/unloading of Dry Bulk Cargo using Ship's gears. Shore handling operation is done by Licensed shore handling agent appointed by HDC.	Clean Dry Bulk and Break Bulk Cargo	0.9
12 (BOT Berth operated by TM International Logistics Ltd.)	Semi mechanised berth equipped with 2 Mobile Harbour Cranes, hoppers, etc. for loading/unloading of cargo. Operation on shore is carried out by TMILL with dumpers, payloaders etc.	Various Dry Bulk and Break Bulk Cargo	1.9

Licensed Cargo Handling Agents

The port has given license to many cargo handling agents for providing Shore Handling Services, at the Multipurpose Berths. Notable among them are

Dry Bulk	Break Bulk
Ripley & Co. Ltd.	TP Roychoudhury & Co. Pvt. Ltd.
A.M. Enterprises	JM Baxi & Co.
Orissa Stevedores Ltd.	Ganges Trading Corporation
Netincon Marketing Pvt. Ltd.	Lee & Muirhead Pvt. Ltd.

Other Support Infrastructure



Tugs

3 nos. 30 tonnes Bollard Pull Tugs | 2 nos. 35 tonnes Bollard Pull Tugs | 2 nos. 45 tonnes Bollard Pull Tugs | 1 no. Hired Tug of 30 tonnes | 1 no. Hired Tug of 36 tonnes | 1 no. of 50 tonnes under hire | More Tugs are likely to be hired



Storage Area

Inside Customs Bonded Area

Covered Transit Shed

Type of storage	Area (sqm.)	Location
Shed-1	9,000	Behind Berth No. 9
Shed-2	3,000	Behind Berth No. 10 & 11
Shed-3	5,000	Behind Berth No. 13
Shed owned by TMILL	3,000	Behind Berth No. 12

Open Storage Area

Location	Types of storage and area	
	Hard Stand (in sq. mtrs)	Bare Land (in sq. mtrs)
Behind Berth No. 2	1,16,000	-
Behind Berth No. 3	-	52,000
Behind Berth No. 4	-	45,000
Behind Berth No. 4B	67,000	33,000
Behind Berth No. 5	1,50,000 (Proposed)	75,000
Behind Berth Nos. 6 & 7	19,000	-
Behind Berth No. 8	7,000	76,000
To the west of G. C. Berth	28,000 (Proposed)	1,20,000
Behind Berth Nos. 12 & 13	2,20,000	3,000

Outside Customs Bonded Area

Storage area on KoPT land

- Central Warehousing Corporation – Covered storage of 40,468.550 sq.mtrs (Industrial Zone), 20,234.275 sq mtrs (Dock Zone)
- West Bengal State Warehousing Corporation – Open storage of 35,652.790 sq. mtrs. (Industrial Zone) • Open storage area of KoPT near Liquid Cargo Park of 12,000 sq.mtrs. • Covered storage of 200 sq.mtrs. • Liquid storage facilities

Name	Capacity	Commodities/ Products Stored
Ruchi Infrastructure Ltd.	50,000 KL	Edible Oil, Non Classified Liquid, Bitumen, Black Oil, Acid
AVR Storage Tank Terminals Pvt. Ltd.	76,000 MT	Bitumen, CBFS, Edible Oil, Non-Classified Liquid
IMC Ltd.	33,600 KL	Alkaline
Hi-Tech Carbon Ltd.	60,000 MT	Edible Oil, Black Oil
Aegis Logistics Ltd.	60,190 KL	Black Oil, Edible Oil, Bitumen, Chemicals, Acids
Tata Chemicals Ltd.	32,000 MT	Phosphoric Acid, Ammonia
IFB Agro Industries Ltd.	16,500 KL	CBFS, Edible Oil



Port Railways

Railways

The HDC Railway System is connected with the South Eastern Railway at Gaurichak near Durgachak station in Panskura-Haldia Broad Gauge Railway Section through a fully electric single line corridor connecting General Marshalling Yard and further extended up to the Bulk Handling Yard which is about 7 km from the take off-point.

Track Length: 115 km | Route Length: 11.5 km | Interchangeable Yard: 2 | Capacity: 30 MMT | Locomotives: 12



Railway Siding

Railway Sidings outside Dock Zone		
Location	No. of Siding	Cargo Handled
HMCPL	1	Coal
Common Users-I	1	Multipurpose
Common Users-II	1	Multipurpose
USTTL	1	Liquid Cargo
SAIL STEEL	1	Steel
IOC	1	POL
BPCL	1	POL
PETROCARBON	1	CP Coke/RP Coke
SE Railway Sick Line	1	
Total	9	



Railway Sidings within Dock Zone		
Location	No. of Siding	Cargo Handled
Berth 2 (Old)	1	Dry Bulk Cargo
Berth 2 (New))	1	
4A	1	Coal
4B RR	1	Dry Bulk Cargo
4B (New)	1	
Berth 5 (Track-1)	1	Dry Bulk Cargo
Berth 5 (Track-2)	1	
Berth 8 (Dump + Quay)	1	Dry Bulk Cargo
Berth 8 (Main + New)	1	
Berth 9 (IP & OP)	1	Bulk/Bag Cargo
Berth 10 (IP & OP) Extn.	1	Bulk/Bag Cargo
Coal Tippler	1	Coal
Iron Ore Tippler	1	Iron Ore/Coal
TMILL L6	1	Limestone/Steel
CUS-III	1	Misc.
Total	15	

Navigational Aids

Pilotage

30 km upstream from Pilotage Station. Average Pilotage time is 3 hours.

VTMS

An integrated surveillance system which can detect the plying vessels in the offshore approach channel, fix its position and superimpose the same on the estuary map of the approach channel on a video screen.

It helps in providing effective navigational aid to pilotage of plying vessels in the Hooghly estuary. It provides operational information like track details, track loss, targets range, bearing, time to approach, target point, destination etc.



Lighthouse

• Sagar Lighthouse (Lat. 21°39'N, Long. 088°03'E). It is visible in clear weather from a distance of 28 km. • Dariapur Lighthouse (Lat. 21°47'N, Long. 087°52'E). It is visible in clear weather from a distance of 35 km.

Light Vessels

There are 5 unmanned light vessels.

• U.G.L.F. Lat. 21°29'51" N Long. 088°06'36.5" E • L.G.L.F. Lat. 21°21'54" N Long. 088°09'34" E • TALENT WK L.V. Lat. 21°17'00" N Long. 088°11'25" E • Eastern Channel L.V Lat. 21°02'54.6" N Long. 088°11'30" E • Western Channel L.V Lat. 21°05'002" N Long. 087°50'24.8" E

Automatic Tide Gauges

These are maintained at Garden Reach, Diamond Harbour and Haldia for round-the-clock recording of tidal data, which is used for the prediction of tides and preparation of tide tables by Survey of India.

Manual Tide Gauges

These are maintained at Akra, Moyapur, Hooghly Point, Balari, Gangra and Sagar for displaying rises of tide for the convenience of various vessels navigating, dredging and surveying in the river Hooghly.



River Marks and Buoys

There are 500 river marks and some of these are lighted. These are extremely useful in pilotage and dredging. There are also 90 lighted buoys and 42 unlit buoys marking the navigational channel from Sandheads to Kolkata.



Wireless/VHF Network

Wireless stations have been provided at Kolkata, Haldia and on board all dredgers, pilot vessels, despatch and survey/research vessels, tidal stations within Kolkata Dock System and Haldia Dock Complex.

Different Global Positioning System (DGPS)

The satellite based DGP System functions with the help of orbiting satellite and reference stations installed by KoPT. It gives exact locations of any mobile craft having the DGPS receivers in terms of latitude, longitude or in other co-ordinate system along with related navigational parameters for safe navigation, dredging and survey purpose.

Other services for Vessels

Garbage disposal from vessels at dock regularly done by Haldia Municipality.

Bunkering on prior arrangements with oil companies.

Provisions on prior arrangements with suppliers.

Port Health Officer and Medical Aid Port Health officer issues the necessary certificates of pratique to vessels as per the Regulations. The Medical Aid are available from Port Hospital as well as from private Nursing Homes and Government Hospitals.

Immigration in accordance with the immigration rules of the country, as applicable.

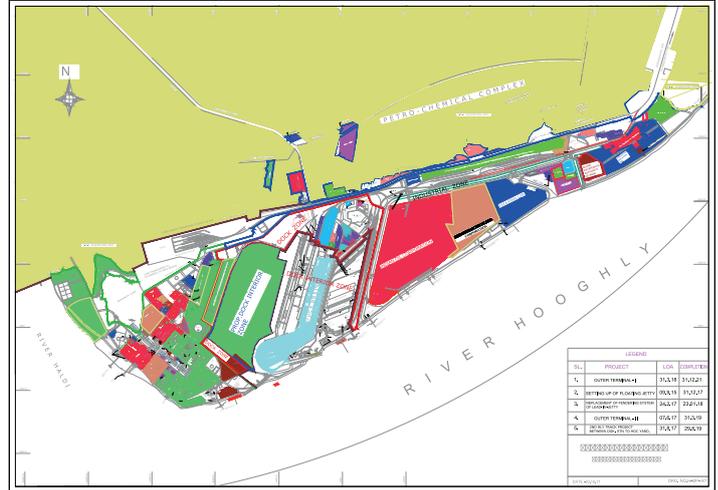
Signing on/off of crew Haldia Port is well connected to enable easy and quick repatriation of the crew.

Agency facility services of shipping agents, stevedores, handling agents and registered surveyors are available for both Marine and Cargo related services.

Land Infrastructure

Kolkata Port has done the pioneering work in setting up of different industries at Haldia by way of providing land on long term leases, port facilities for handling the raw materials and finished products of the industries including pipeline connectivity from the jetties upto the premises of the different industries. Some of the major industries thriving on KoPT land at Haldia are:

Name of the Industry	Area of land allotted (in acres)
Indian Oil Corporation Ltd.	740
Tata Steel Ltd.	184
Hindustan Unilever Ltd.	143
West Bengal Industrial Infrastructure Development Corporation	123
Bharat Petroleum Corporation Ltd.	89
Hindustan Petroleum Corporation Ltd.	63
Inland Waterways Authority of India	61
Tata Chemicals Ltd.	55
Haldia Petrochemicals Ltd.	45
Steel Authority of India Ltd.	35
Central Warehousing Corporation	18
Aegis Logistics Ltd.	17
UPL Ltd.	17
IMC Limited	16
West Bengal Small Industries Development Corporation Ltd.	13
Exide Industries Ltd.	9
West Bengal State Warehousing Corporation Ltd.	9
Ruchi Infrastructure Ltd.	8
AVR Storage Tank Terminals Pvt. Ltd.	5
Hi-Tech Carbon	4
IFB Agro Industries Ltd.	3
Sanjana Cryogenics Ltd.	3



Type of vacant land available for future use

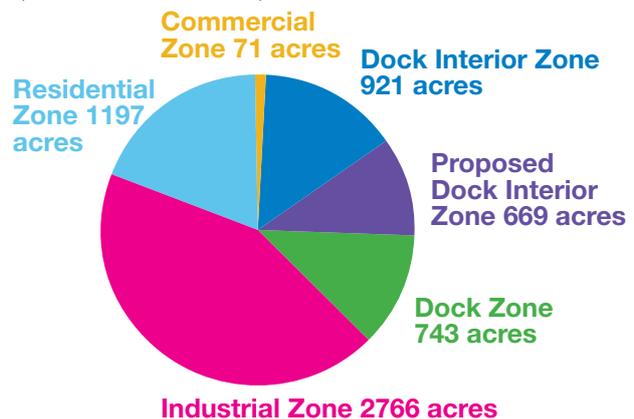
For industrial/port related purpose	369.45 acres (in different pockets)
For residential or allied purpose	135.98 acres (in different pockets)
For commercial purpose	59.52 acres
For future port development/ expansion	170 acres

GIS Based Land Asset Management System

HDC has already implemented GIS based Land Management System for allotment of land for storage of cargo inside the dock comprising facility of online application, E-mail based reminder system and mobile application for operational and financial information for registered users.

Land Area Distribution of HDC in acres

(Total area 6367 acres)



The Schedule of Rent for Land and Buildings at Haldia

Rate of Rent/License Fee for Land at Haldia Dock Complex

	Description of Land	Rate of Rent for 100 sq. mtrs. per month		
		w.e.f. 07/04/2018	w.e.f. 07/04/2019	w.e.f. 07/04/2020
1	Residential Zone	1668.8	1702.18	1736.22
2	Industrial Zone	1123.63	1146.1	1169.02
3	Dock Interior (inside Custom bonded area) (Bare Land)	2734.17	2788.85	2844.63
4	Dock Interior (inside Custom bonded area) (Hard Stand)	4251.07	4336.09	4422.81
5	Proposed Dock Interior Zone	2126.58	2169.11	2212.49
6	Dock Zone (Bare land)	1517.94	1548.3	1579.27
7	Dock Zone (Hard Stand)	3034.85	3095.55	3157.46
8	Commercial Zone for Offices, Banks, Workshops, Repair Shops (excluding automobiles), Cold Storage, etc.	3035.89	3096.61	3158.54
9	Commercial Zone for Shops, Markets, Nursing Homes, Medical Clinics, Hotels & Restaurants (without bar), Service Stations, Repair Shops (automobiles), weighbridge, etc.	4048.2	4129.16	4211.74
10	Commercial Zone for Cinema House, Hotel & Restaurant (with Bar), etc.	4129.35	4211.94	4296.18
11	Kukrahati	493.15	503.01	513.07
12	Panskura	1254.72	1279.81	1305.41

License Fee for open/covered space inside the Dock Interior Zone for storage of import/export cargo

		Rate of Rent for 100 sq. mtrs. per month		
		w.e.f. 07/04/2018	w.e.f. 07/04/2019	w.e.f. 07/04/2020
Open Space				
1	Bare Land	4395.69	4483.60	4573.27
2	Hardstand land	6835.43	6972.14	7111.58
Covered Space				
3	Pucca roofed	14479.25	14768.84	15064.22
4	AC/CI roofed	10858.65	11075.82	11297.34



Capacity augmentation projects at HDC as per the Master Plan prepared by AECOM India Pvt. Ltd.



Outer Terminal-II

A Liquid Cargo Handling Terminal is proposed to be set up on river Hooghly upstream of Lock Entrance at an investment of approximately ₹150 crore. Upon commissioning, about 2 million tonnes of liquid cargo comprising Edible Oil, Paraxylene, etc. presently handled inside the impounded dock will be shifted to this terminal thereby creating additional capacity of about 3 million tonnes of dry bulk cargo inside the dock. This terminal is also proposed to handle chemicals.

Commissioning: December 2019



Setting up of Liquid Cargo Handling Jetty at Shalukkhali, Haldia Dock-II (BOT basis)

Cargo to be handled: Paraxylene, POL, Edible Oil & Chemical, LPG/ LNG

Capacity: 2.43 million tonnes per annum

Investment: ₹172.52 crore

Salient Features: A jetty with facilities for handling liquid cargo by Marine Loading Arms and Flexible Hoses. The project site has adequate land for creation of liquid cargo storage facilities.

Commissioning: August 2021

Mechanisation of existing Berth No. 3 at HDC (BOT basis)

Cargo to be handled: All types of Dry Bulk

Capacity: 4 million tonnes per annum

Investment: ₹350 crore

Salient Features: Fully mechanised facilities comprising two Mobile Harbour Cranes, Conveyor Belt System, Stacker cum Reclaimer, Rapid Wagon Loading System

Commissioning: December 2020

Additional RMQC at container berths 10 & 11

Procurement of 3rd RMQC at the Container Berths 10 & 11 of HDC is proposed to cater to annual container traffic in excess of existing container traffic of 2.5 lakh TEUs.



Floating Cargo Handling Terminal

KoPT has set up Floating Cargo Handling Terminal in association with M/s. Haldia Floating Terminal Pvt. Ltd.. The terminal is capable of handling 2.55 million tonnes of incremental cargo to be brought by barges and Mini Bulk carriers from the Floating Crane operation site.

Floating Crane Facilities

KoPT has deployed 2 Floating Cranes with associated facilities for transshipment of Dry Bulk and Break Bulk Cargo between mother vessels and barges/mini bulk carriers at deep draft locations at Sandheads and Sagar by granting licence to the following service providers:

Service Provider	Annual trans-shipment capacity (in million tonnes)
Sarat Chatterjee & Co. (Visakhapatnam) Pvt. Ltd.	2.02
Ripley Offshore Pvt. Ltd.	2.02

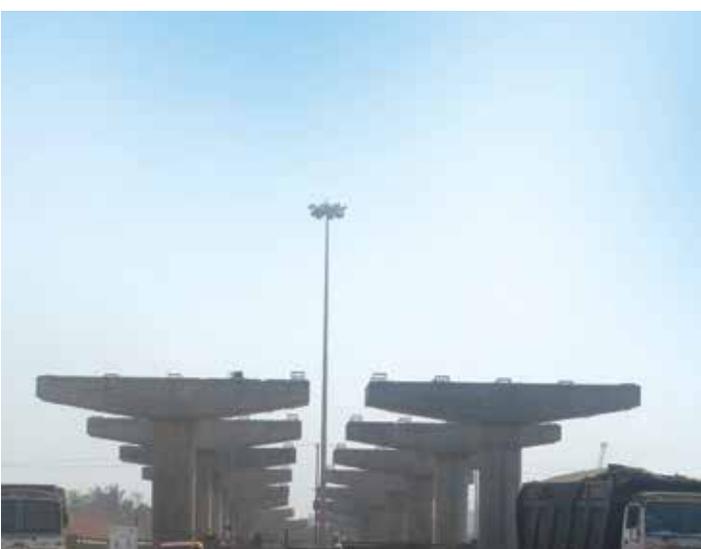


Other Important Projects

LPG Terminal by BPCL

KoPT has allotted land to BPCL and Hindustan Aegis LPG Ltd. for setting up LPG Storage Facilities. Both of these organizations will import about 2.5 million tonnes of LPG per annum by using 1st, 2nd and 3rd Oil Jetties.

The facilities of M/s. Hindustan Aegis LPG Ltd. are already commissioned and that of BPCL may be commissioned by December, 2018.

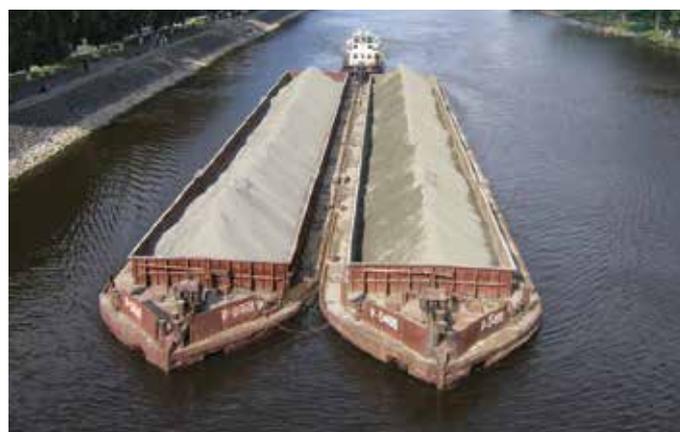


ROB-cum-Flyover at Ranichak

An ROB-cum-Flyover at Ranichak crossing at Haldia is under construction by a JV comprising NHAI, Sagarmala Corporation, KoPT and CHPRCL for improving port connectivity. The project will be completed by middle of 2019.

LNG Facilities

Facilities for handling LNG are proposed to be created on 10 acres of land located behind 2nd Oil Jetty from where it will be dispatched to various locations by barges and roadways.



Multimodal IWT Terminal at HDC

The Second Scoping Mission of the World Bank have recommended for setting up of Multimodal IWT Terminal at Haldia with rail connectivity under the Rashtriya Jal Marg Vikas Pariyojna to cater to the projected Inland Waterway Traffic. KoPT in this regard have allotted 61 acres of land to IWAI with waterfront of 460 metres for setting up of the jetty facilities, storage yards, railway connectivity etc. The proposed rail connectivity will give direct access of the terminal with the South Eastern Railway and the proposed dedicated Eastern Freight Corridor at Dankuni. The railway connectivity will also enable evacuation of import cargo from Haldia Dock through the proposed IWT terminal. IWAI will invest about ₹ 300 crore for setting up of the proposed terminal.

Other Essential Infrastructure

Medical facilities

- 47 bedded Hospital, 5 bedded ICU equipped with Bed-side Monitors, Ventilator, Biphasic Defibrillator, Arterial Blood Gas Analyzer, E.C.G etc, 5 bedded HDU or step down unit.
- Morning, afternoon and evening OPD, 24 hours Emergency facility, tied up with renowned hospitals for specialised treatment and investigations not available at Port Hospital. Round-the-clock ambulance facility.
- Physiotherapy Unit, Pathology Unit equipped with Fully Automatic Biochemistry Analyzer, Fully Automatic Haematology Analyzer etc, Radiology Unit equipped with Digital X-Ray (CR System), Ultrasonography and Echocardiography machine. Operation Theatre having Laparoscopic Surgery facility, Labour Room for child delivery, Round the clock Pharmacy for dispensing medicines, In-house kitchen facility.



Security



RFID based access control and tracking system

The RFID based Port Access Control & Tracking System (PACTS) project has been commissioned in April 2017 at Haldia Dock Complex as per mandate of GoI. RFID Identity Cards have been provided to employees of Haldia Dock Complex. Turnstiles, Cameras and Boom Barriers have been installed at the gates. An independent network over Radio Frequency, Live Monitoring Room has been commissioned with monitors for surveillance and tracking of vehicles.

Camera Surveillance

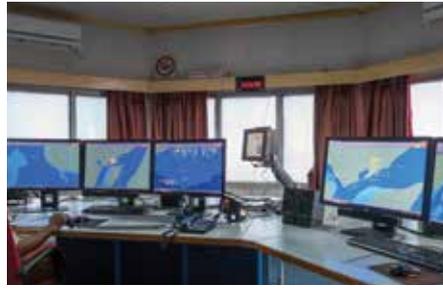
At Jawahar Tower Complex, Chiranjibpore Operational Building, Master Control Tower, Transit Shed and 6 Gates (empty, general cargo berth, finger, phosphate, flyover, powerhouse) 10 PTZ & 7 fixed cameras are installed.

Safety & Fire Protection

- All the 3 Oil Terminals have dedicated Fire Fighting System comprising pumps, monitors etc. These are being upgraded.
- Dedicated fire fighting system inside the dock area with fire fighting pumps, fire hydrants, pipelines etc.
- There are 2 turnouts with Foam Crash Tenders for fire fighting at oil jetties, dock areas, railway yards and township.
- There are 4 Foam Crash Tenders, 5 Fire Trailer Pumps.
- Haldia Dock Complex is the recipient of National Safety Award. A well-knit safety system comprising a Safety Committee at apex level, Safety unit and various Plant Level Safety Committee monitor, review and take corrective and preventive measures in line with the Safety, Health & Environment (SHE) policy. Regular safety trainings, awareness campaigns, internal and surveillance audits, house-keeping inspections are held to improve safety consciousness. Wearing of PPE for all port workers is compulsory.

- HDC bagged two National Safety Awards in 2015 based on Accident Free Year & Lowest Average Frequency Rate for both on-shore and on-board operations.





Head Office

15, Strand Road
Kolkata - 700 001

Haldia Dock Complex

Jawahar Tower
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Pin 721607, West Bengal.

Website: kolkataporttrust.gov.in



KOLKATA PORT TRUST
HALDIA DOCK COMPLEX



www.kolkataporttrust.gov.in