

ADANI PETRONET (DAHEJ) PORT PVT. LTD
INTEGRATED MANAGEMENT SYSTEM FORMATS MANUAL

MAR/F/003

ADANI PETRONET DAHEJ PORT – PORT INFORMATION BOOK



ADANI PETRONET (DAHEJ) PORT PVT. LTD
PORT & TERMINAL INFORMATION BOOK



WELCOMES THE MASTER, OFFICERS & CREW OF

MV _____

Revised dated: 20-12-17

Reviewed By : Capt Vijesh Parasar	Issue No : 00	Issued on : 01/07/2016
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Dear Captain,

We welcome you and crew to Adani Petronet(Dahej) Port Pvt.Ltd

A. For your information and compliance, we enclose the following documents.

- a. Condition of Use Document
- b. Safety & Pollution Prevention Requirements.
- c. General Information

B. Please note that "CONDITION OF USE" letter is a legal document and is to be filled up, signed, stamped and delivered to the pilot before commencement of Pilotage.

The following documents are to be completed and handed over to the Pilot.

- a. Inward Pilot Certificate (after berthing)
- b. Declaration of Security (DOS)
- c. Ship Shore Safety Checklist
- d. Feedback Form (To be handed over to the Sailing Pilot)
- e. Outward Pilot certificate (To be handed over to the Sailing Pilot).

1. **RESPONSIBILITY:** While we have taken all reasonable care to ensure that the Port waters, berths, facilities as well as gear and equipment used (including gangway where provided) thereon, are safe and efficient, any vessel using them shall do so, and remain, at the sole risk of the vessel, its Master and Owners.
2. **SAFETY & POLLUTION PREVENTION:** You are required to take careful note of the contents of SAFETY AND POLLUTION PREVENTION REQUIREMENTS and ensure full compliance. Before commencement of operations, the Ship-Shore Safety Check-list will be completed by Port Representative/Pilot and a responsible ship's officer and will be revalidated at regular intervals.
3. **NON- COMPLIANCE:** Any non-compliance or infringement of the Check-list or of SAFETY AND POLLUTION PREVENTION REQUIREMENTS, by the vessel may result in operations being halted and the vessel ousted from the berth. All time, charges, delays arising from such an event will be to the account of the vessel.
4. **CONTRABAND & LIQUOR:** Dealing in contraband and drugs and illicit goods is strictly forbidden under Indian Law, with heavy penalties and imprisonment for anyone indulging in such activities. You are advised to ensure that your crew is suitably instructed.

The use and possession of alcohol is forbidden in Gujarat State. Alcohol should not be taken ashore or offered to Shore personnel during the vessels stay in port. All such contraventions of the Laws could also make the vessel liable to be arrested. So please ensure your fullest attention to these matters.

DEALING WITH THIRD PARTY VENDORS: Kindly note that request for any service required by your vessel should be routed through your Agent and you are advised to deal only with those third party vendors who are recommended by your agent and authorized by the port.

We hope you have a pleasant stay.

Yours truly,

Capt. Ashish Singhal,

Head-Marine & Stevedoring Services (PFSO),

Adani Petronet (Dahej) Port Pvt.Ltd.

Phone: +912641 – 285020 (O)

Email: ashish.singhal@adani.com

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We welcome you and your crew to Adani Dahej Port.

Please acknowledge receipt of this **Standard Message**.

Please advise your best ETA in local time in HHMM format (UTC +5.5hrs) at 72, 48, 24, & 12 hours before arrival at the pilot boarding point.

APDPPL Terminal may be contacted on the following:

Telephone: Marine Control: +919687695730; +91-2641-285030

Fax : +91 95 9001 1938

E-mails: Marine Control – marinecontrol.dahej@adani.com

VHF Channel : 16 & 73(about 3-4 hrs before arrival)

Pilotage is compulsory. Pilot will board vessel **by tug** at Pilot Boarding Position as indicated above.

- a. Kindly provide a good pilot ladder/combination ladder complying with SOLAS- Ch- V- Reg. 23 on your lee side about 4 meters above the water level with gangway about 7meters above water level.
- b. Pilot boarding speed should be about 4-5 knots.
- c. Do not use mechanical hoist or weighted heaving lines or forward facing accommodation ladders.
- d. Tugs will be made fast using **heavy tugs' rope**. Please prepare **strong messenger rope with a heaving line** to pick up the tug rope.
- e. Your agent, customs, port health authorities, surveyors, will board your vessel once the vessel is alongside and all made fast.

Use of Tugs is mandatory. The pilot will discuss tug arrangement with the Master.

Kindly complete the following documents and revert by e-mail **as soon as the vessel is declared.**

Current Security Level – 1 (Contact details for PFSO/ Dy. PFSO can be obtained from the Agent/ Port Information Booklet.

As per Directorate General of Shipping (DGS) Order No. 02 of 2012, ***“The use of Thuraya, Iridium and other such Satellite phone is banned in India under Sec 6 of Indian Wireless Act and Sec 20 of Indian Telegraph Act.”*** and hence should not be in use and should be declared in the PANS.

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A. PORT DETAILS.

Adani Petronet (Dahej) Port Pvt Ltd (APPPL), is a joint venture between Adani Group & Petronet LNG Limited. Strategically located in the gulf of Khambhat thereby having access to dense industrial areas of Gujarat and Maharashtra (North) & central MP.

Only commercial terminal in GMB port of Dahej handling solid cargos in bulk /break bulk and also project cargo.

Fully mechanized berths with conveyor handling system for handling coal in bulk at very fast evacuation rate of 4200 MT / Hr.

The Terminal consists of Bulk/break bulk berths of 270M & 277M each. The working area of the North berth is 206M and South berth is 221M.

The minimum depth available alongside North berth is 15.5M and South Berth is 15.5M.

Main jetty load density is 4.5MT/m² and load per axle is 13.5MT.

Two tugs of Japanese make Dolphin - 3 and Dolphin 4.

Each having the capacity of 55 tons bollard pulls with twin engine and twin propeller.

The engines of the tugs are 2200 BHP with zed pellar system. Both tugs are fitted with Half FiFi.

Each berth has nine pneumatic fenders. Size of the fenders: 6.5m (Length) x 4.5m (Dia).

B. WEATHER.

The wind speed during monsoon period is between 20kts to 35kts and wind direction Westerly to SW'ly.

The wind speed during Non-Monsoon 5kts to 15kts and wind direction NE'ly.

C. VTMS Services at Gulf of Khambhat:

For entry and any guidance regarding navigation in Gulf of Khambhat, please contact VTMS Khambhat on VHF Ch. 10/69, on arrival within communication range of VTS Hazira. The vessel entering the Dahej Port limit must report to the Port control on Ch-73 or 16. VTMS also guides vessels regarding anchoring position. If anchoring, drop anchor as per VTMS instructions.

D. Adani Dahej Port Anchorage instructions:

Vessels may have to wait at anchorage if berth is not available and await further instructions. Anchor positions are provided by the Gulf of Khambhat VTS. As per your charter party you may have the option of waiting at outer port limits where tidal stream is much less, most of the coal vessels calling Adani Dahej Port have Dahej clause & vessels are waiting at OPL anchorage.

E. Pilot Boarding ground and picking up pilot:

Adani (APPPL) terminal pilot boarding ground is 1.25 NM west of terminal i.e. LAT- 021°41.0' N, LON- 072°29.15' E. While approaching to pilot station avoid drifting to north of PBG with the strong following current. This may be avoided by taking a sharp turn to head the tide once you reach PBG (Vessel heading 180 deg) and vessel position to be maintained at PBG. Vessel should reach pilot boarding ground as per schedule time as tidal current is very strong and narrow berthing window available for berthing. Normally pilot board with the tug and vessel is required to keep pilot ladder rigged on both (Port & Stbd) side. Pilot normally have berthing meeting after boarding with master and officers on the bridge so that piloting and mooring operations are smooth, safe and completed in time to avoid change of tide and delays.

*Kindly note following:

1. Vessel should reach pilot boarding ground as per schedule time as tidal current is very strong and narrow berthing window available for berthing.
2. It is advised that after reaching pilot boarding ground, vessel to turn around & face the tide (in case tide is from the astern of the vessel) head 180deg and try to maintain position till pilot boards.
3. It is recommended to keep 2.0NM clear of the LNG TERMINAL during approach.

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F. Mooring Arrangements:

As per the port mooring requirements vessel has to provide 20 nos. of soft mooring ropes (4+3+ 3 Fwd & Aft). ALL ROPES SHALL HAVE TAIL ROPE OF 06 METERS.

No wire ropes are acceptable for mooring purpose.

If vessel is not able to provide 20 mooring ropes then port provides the same on chargeable basis. In case of emergency the port tugs can be made available at short notice. All mooring lines are to be checked frequently and adjusted if required as tide range is very high. Due to the high tidal range at Dahej most of the time ship's Gangway is not possible hence port can provide shore Gangway on chargeable basis. Vessel must keep a regular watch on Port working channel CH-73 during entire stay including stay alongside berth. Kindly note that during monsoon period and spring tides port may decide to provide extra mooring ropes FWD & AFT free of charge.

G. Vessel equipments & mooring winches:

Vessel Master is to ensure that all navigational equipment's, mooring winches, anchor windlasses are fully operational. Any shortcoming is to be reported to Port as soon as possible on or before arrival.

It is advised that all mooring winches / break liners / mooring ropes are in good working condition. It has been observed vessels on which mooring winches / mooring ropes were not in good condition sway out of berth and tug/pilot assistance was required to keep them alongside during strong tidal stream.

H. Tidal information:

Mean Sea level = +5.5m CD (Zero tide)

MHWS = +8.8m CD

MHWN = +7.1m CD

MLWN = +0.9m CD

MLWN = +1.8m CD

I. Adani Dahej Port at berth Instructions:

The mean tidal range at Dahej during the spring tide is 8.0m and therefore tidal currents at the berth may go as high as 3.0kts. The tidal currents run parallel to the berth (Northerly during flood and southerly during the ebb tide). Therefore it is advised:-

- Moorings to be tended at frequent interval due to high range of tide.
- Main Engine on short notice (about 10 minutes) during her stay at Berth.
- Take ballast after about 50% of her cargo discharge.

Emergency contacts = Adani Port control, VHF Ch: - 73 / 16, Mob: - +919687695730

Master /Agent of vessel calling at Adani Dahej must provide copy of following documents / certificates of the vessel (soft copy as well as Hard copy):

a. Before Arrival / Berthing of vessel -

- Certificate of Registry
- Ship's Particulars
- International Load Line Certificate
- ISPS Certificate
- P & I Club Certificate
- Stowage Plan
- Certificate of Class
- International Tonnage Certificate
- IOPP Certificate
- List of 10 Ports of Call
- IMO Crew List
- Last Port Clearance

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- Annexure 1: **Clean COU without any remarks to be signed by vessel Master.**
- Annexure 2: Undertaking letter from Owner
- Annexure 3: Declaration by vessel master.

* **Annexure 1.2. & 3 to be signed are to be filled up, signed, stamped and delivered before arrival of the vessels.**

b. After Berthing of Vessel –

- Ship / Shore Safety Check List
- DOS (Declaration of Security)
- Discharging Sequence
- Safety Precaution to be followed during vessel stay at port

c. Before Un-berthing of Vessel –

- Service Certificate
- Marine Feedback Form
- Ballast Water Reporting Form
- Ship Waste Assessment Form MARPOL

d. Customs Authority

1. Original Last Port Clearance
2. Maritime Declaration Of Health- 3 Copies
3. Vaccination List- 3 Copies
4. Voyage Memo (Ports called in last 30 days or last 10 ports of call) with arrival and departure dates and security levels)- 3copies
5. Bills of Lading, Cargo Manifest and Transit Cargo if any - 1 Copy
6. List of Ships Stores Including Bonded Stores and Deck Store- 3 copies
7. Personal Effects Declaration with Crew Currency- 3 Copies
8. Ships Currency Declaration- 3 Copies
9. Nil List (If there are no Passengers, Stowaways, Animals, Arms, Ammunitions)- 3 copies
10. List of Narcotic Medicines- 3 Copies
11. Crew List (Name, Rank, nationality, Passport Number, Seamen book number, Date of and Place, Place of Embarkation)- 7 Copies
12. Following Statutory Certificates- 2 Copies Each
13. Ship Registry Certificate,
14. ISPS Certificate
15. International Load Line Certificate
16. Cargo Ship Safety Equipment Certificate
17. Cargo Ship Radio Certificate
18. Cargo Ship Safety Construction Certificate
19. International Oil Pollution Certificate
20. Ship Sanitation Control Exemption Certificate

e. Immigration Authority:

Custom Authorities clear the vessel on behalf of Immigration Authority. For Sign on and Sign off of Foreign Nationals 48 hour's notice with confirmed air ticket is required. Ship's Agent will have to get landing permission from the local police. For Indian National above requirement is not applicable.

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Documents required in case of Crew Change (Foreign or Indian national):-

1. Crew List – 1 Copy
2. Personal Effects Declaration- 1 Copy
3. Sign/Sign off crew passport- 1 Copy

f. Please note that “CONDITION OF USE” letter is a legal document and is to be filled up, signed, stamped and delivered to the Pilot without any remarks before commencement of Pilotage.

g. Quarantine:

At Dahej Port, the customs-boarding officer usually gives quarantine (Free Pratique) clearance. However if the vessel is coming from Yellow Fever area, Port Health Officer from Kandla Port will board the vessel.

Following set of documents is required:

1. Crew List- 1 Copy
2. Maritime Declaration of Health- 1 Copy
3. Vaccination List- 1 Copy
4. Ship Sanitation Control Exemption Certificate - 1 Copy

Please inform whether vessel has visited any yellow fever affected area in the last one month. If yes, then inform your local agent for arrangement for PHO clearance.

J. PORT SECURITY DETAILS

Current Security Level of APDPPL Port “Security Level-1”

Details of PFSO & Dy. PFSO:

CAPT. ASHISH SINGHAL

Head Marine Services & Port Facility Security Officer (PFSO)

Phone: +912641 – 285020 (O)

E-mail:- ashish.singhal@adani.com

MR. SATYA PRAKASH -Dy. PFSO

MOBILE : +91 8980042703

E-mail:- satya.prakash@adani.com

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K. Services at APDPPL.

S.NO	SERVICES	DETAILS
1	Bunkers / stores	Can be arranged by Agents with sufficient notice after obtaining permissions from Statutory bodies.
2	Fresh water	Available on Requisition on chargeable basis.
3	Medical facility	Round the clock medical representative & Ambulance available in port.
4	Garbage/Sludge removal	Garbage/Sludge removal facility available on requisition (chargeable basis).
5	Custom / immigration	Office in Dahej
6	Air port	Vadodara (140 km) Daily flights to Mumbai

***Note: All the other services as mentioned in BPTS.**

L. CHARTS.

Vessels visiting the Port must have on board a sufficient range of current Hydrographic Charts relevant to the Area. These charts must be kept up to date with regards to Notices to Mariners and other Notices issued for the area.

Indian Hydrographic Office Charts : 2082, 2110, 2039 & 2044
British Admiralty Charts : 1477, 1486, 3460.

M. DRY CARGO HANDLING

a. GROUND HANDLING EQUIPMENT

Dumpers, Pay loader's and Stackers used for quick transfer of Cargo between storage area and berths.

b. HARBOR CRANES.

North Berth - 2 Rail Mounted Liebherr make cranes (SWL – 75 MT each in hook mode).
South Berth - 2 Rail Mounted Gottwald make cranes (SWL – 80 MT each in hook mode).

c. EQUIPMENT: IMPORT CONVEYOR SYSTEM.

Conveyor Within Port : Length (3.74 + 5.04) 8.78 Km & Capacity 4200/5600 TPH.
Conveyor speed is 4.35 mtr/sec.

d. EQUIPMENT: STACKER / RE-CLAIMER.

2 Nos. of Stacker cum Re-claimer: Capacity: 4200 TPH / 2500 TPH.

N. SAFETY

- No repairs or maintenance is to be carried out on the main engine or other machinery which required, should it be necessary to vacate the berth at short notice.
- Hot work is not normally permitted at berth. If permit is granted, the work will be carried out under attendance of the port's Fire & Safety unit and be subject to payment of specified charges.
- Smoking and naked lights are not permitted on vessel's decks or on the berths.
- An efficient deck watch under a responsible officer must be maintained at all times when at berths.
- All working areas, decks and access points, gangway must be properly illuminated during the hours of

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darkness.

- Radio transmissions, under - water activity or small craft alongside the vessel are strictly prohibited.

O. POLLUTION

- It is an offence to discharge or allow escape, willfully or accidentally, any oil, oily mixture, oily/dirty ballast or contaminated bilge water or noxious sewage from any vessel within Dahej Port limits. International and Indian Laws stipulate heavy penalties including arrest, on the offending vessel and crew.
- Replenishment of bunkers, whether from sea or shore, will be permitted only on special application, monitored by the port's Marine/ Safety personnel and shall be carried out in day light hours only.
- Inter ~~transfer of cargo over board to wash water etc. shall not~~ be carried out without permission of Port Captain.
- Emission of dense smoke is prohibited from vessels within Port limits. Violations of stipulations under current Indian laws will incur heavy penalties.
- It is an offence to throw or dump galley refuse, garbage, and rubbish, hold sweepings etc. into the water or on the berths. Offending vessel is liable to large fines. No chipping or painting to be carried out alongside berth.
- **Note:** Port will accept only domestic garbage (Plastics, paper, cotton rags). Medicines and other hazardous waste including pyrotechnics will not be accepted as garbage

P. EMERGENCY

- Every vessel must have on board, at all times, sufficient number of responsible officers and crew to deal with emergency situations.
- All equipment's related to the vessel's Safety Fire ~~equipment, appliances and devices must be in a state of efficient readiness at all times and be readily available and accessible.~~ - Fighting as

WEBSITE OF THE PORT

<http://www.adaniports.com/businesses/ports-and-terminals/dahej-port>

LINK FOR BERTHING POLICY AND PORT TARIFF

<http://www.adaniports.com/ports-downloads?port=dahej-port>

LINK FOR DAHEJ TIDE

<http://www.adaniports.com/ports-downloads?port=dahej-port>

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MOORING READINESS PRIOR BERTHING FOR VESSELS CALLING AT ADANI DAHEJ PORT

Forward and aft mooring station crew should be standby when the ship arrives Pilot station. The Tugs are made fast once the pilot boards the vessel.

Vessel should keep ready messenger lines (20-24mm) leading from the shoulder /quarter bollards (where the tug will be made fast) to the mooring winch for picking up the tugs towing lines which are heavy.

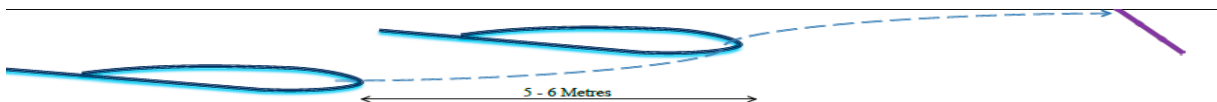
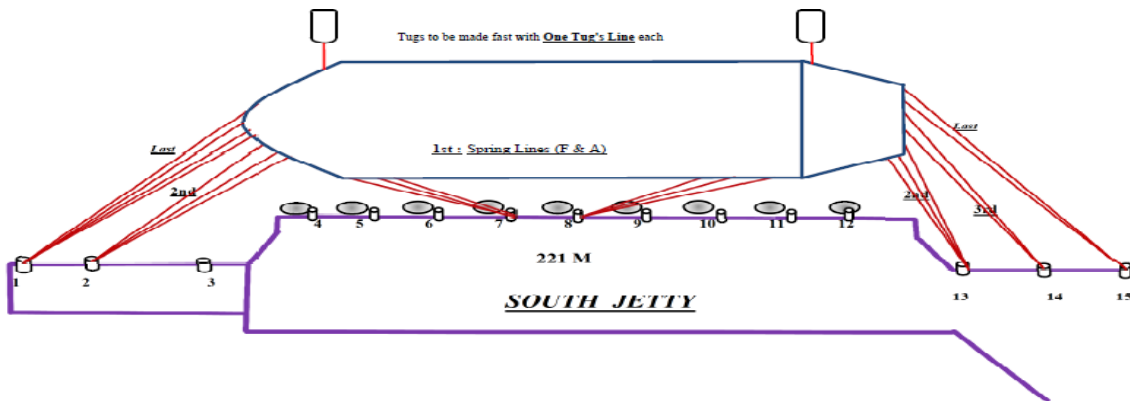
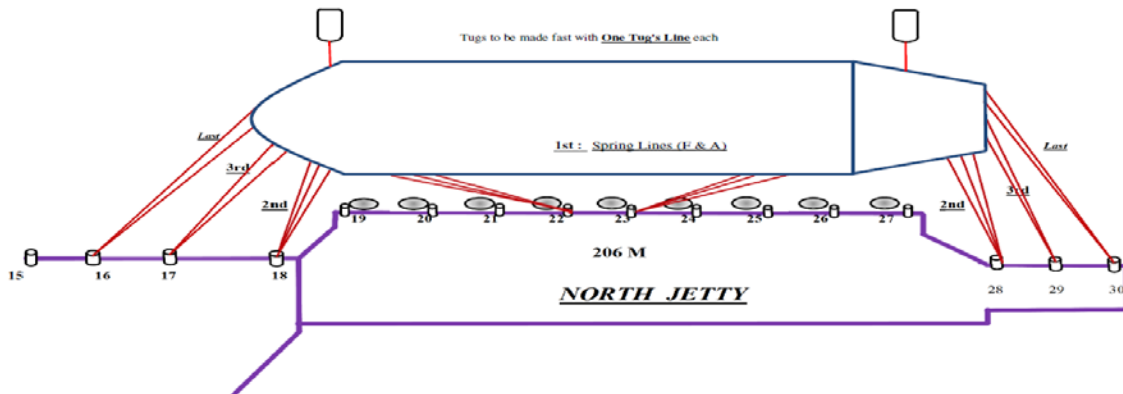
Arrangement for the mooring is as per below diagrams .All lines will be passed ashore by heaving line.

Vessel should keep ready 10 lines Fwd. (4 Head + 3 Breast+ 3 spring) and 10 lines Aft (4 Stern lines + 3 Breast+ 3 spring).

MOORING LINE SEQUENCE

- When the vessel is about 20 -30mtrs off the berth/wharf, the vessel shall pass a single spring line from both the forward and aft stations using the vessel heaving line.
- Once the vessel is in position and alongside the berth, another two spring lines can be sent together to shore.
- After that breast lines forward and aft to shore bollard then headlines inward to outward and stern lines also inward to outward shall be secured to the shore bollard. For easy understanding refer below diagrammatic representation.

MOORING PATTERNS



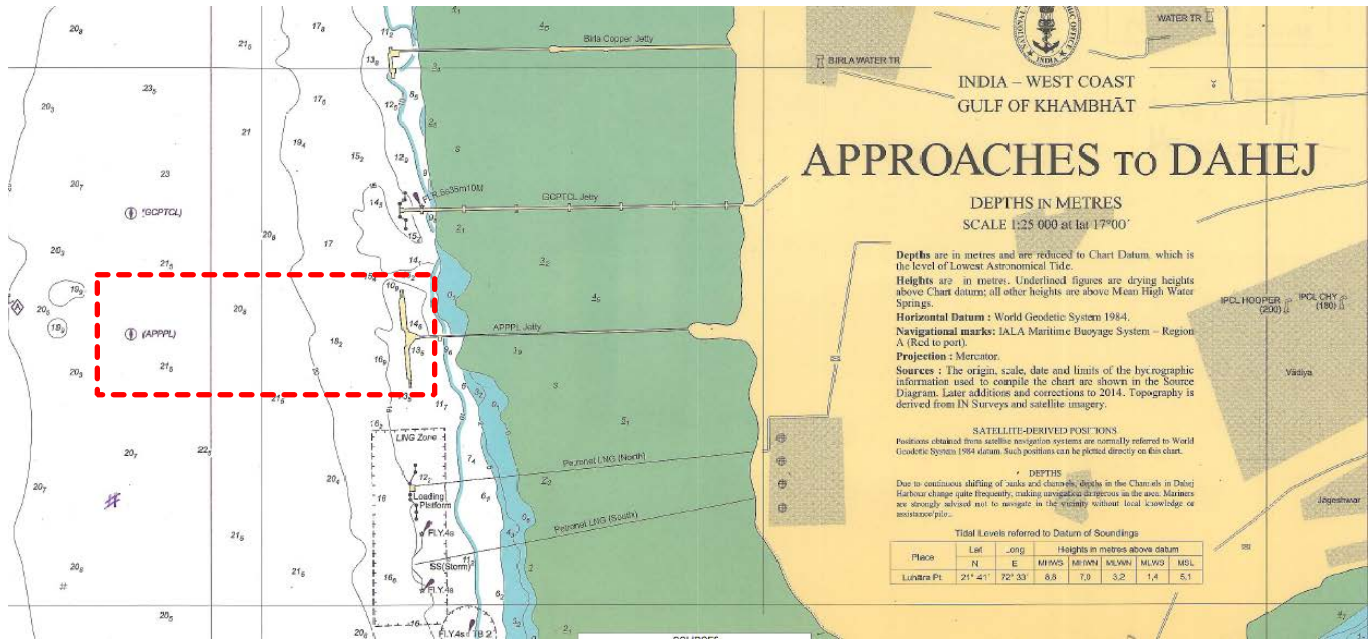
Auto tension wires from shore

In addition to above, port will provide one fwd and one aft auto tension rope from shore winch on chargeable basis, Shore winch rope is compulsory for first 24 hrs after berthing to the vessels having LOA>200 mtrs and draft >12 mtrs.

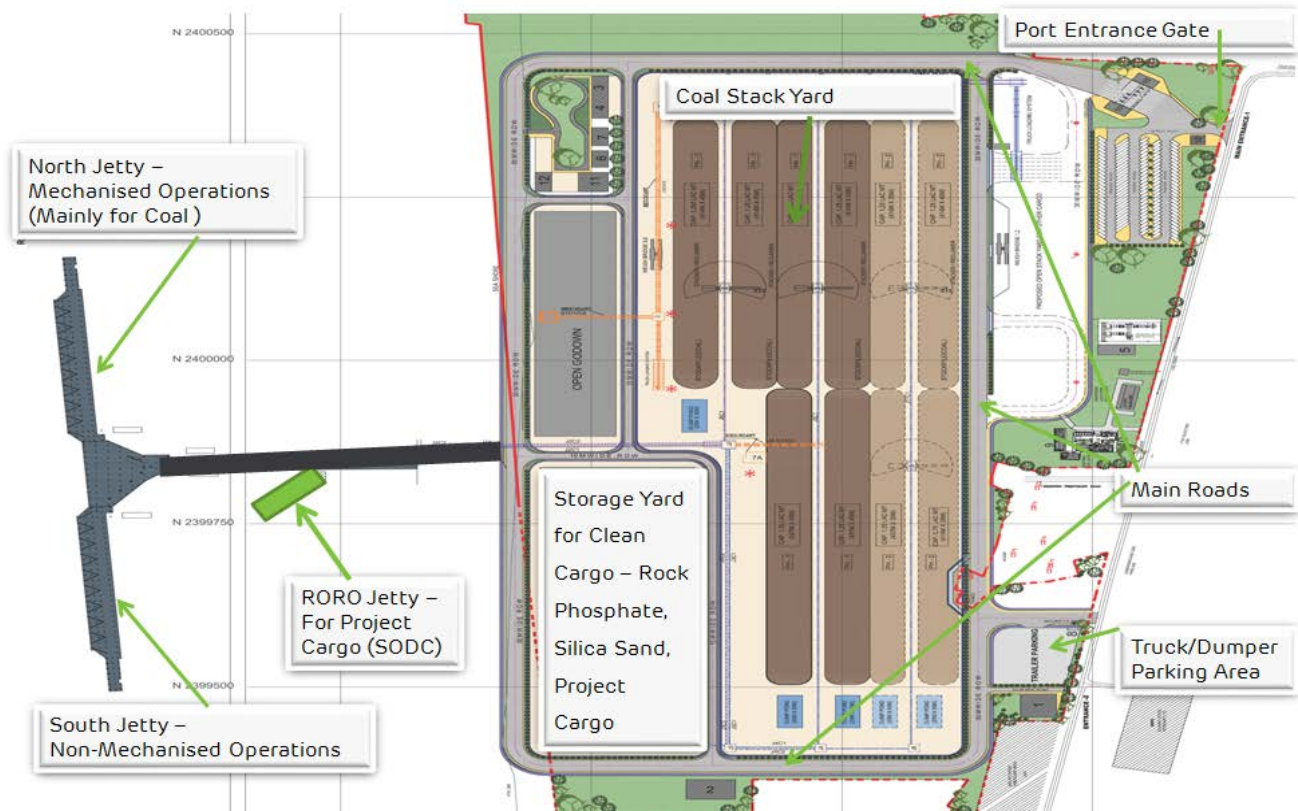
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Extract of Chart



Dahej Port



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