



DEENDAYAL PORT AUTHORITY

(Erstwhile 'Kandla Port Trust')

Office of Chief Mechanical Engineer,
2nd Floor, Annexxe, A.O. Building,
Deendayal Port Authority, Gandhidham (Kutch) – 370201
✉ cme@deendayalport.gov.in, jem2@deendayalport.gov.in

Date - 03.06.2025

To,

Subject: Expression of Interest (Eoi) for '*Mobile Loading system for Dry Cargo (Salt, Clay, Soyabean etc.) at Cargo Berth no. 14 to 16, Deendayal Port Authority, New Kandla*' - reg.

Sir,

Deendayal Port Authority intends to commission Mobile Loading system for Dry Cargo (*Salt, Clay, Soyabean etc.*) at Cargo Berth no. 14 to 16, Deendayal Port Authority, New Kandla.

2. In this connection, DPA wishes to grab the market response and analyze efficient-*cum*-innovative approach towards fulfillment of listed requirements at Annexure-1.

3. Interested Original Equipment Manufacturers(s) (OEM) / Authorized dealer(s) / Supplier & Service Provider(s) are requested to assess the DPA requirements as per site conditions and offer suitable project, in detailed format enclosed at Annexure-2. DPA may invite the prominent respondents for a briefing / presentation of the offered project in detailed manner through physical / virtual mode.

4. Kindly submit your Expression of interest, with Sign. and Seal on Annexure-1 (as token of acceptance) and filled-in Annexure-2 by 17.06.2025 (17:00 hrs).

Thanking you,

Yours faithfully,

Chief Mechanical Engineer
Deendayal Port Authority

Brief Requirements of Deendayal Port

Deendayal Port handles a wide variety of cargo, including both liquid and dry cargo. Dry cargo handled at the port includes coal, ores, fertilizers and raw materials, steel goods, Salt, food grains etc. The port has 16 Dry cargo berths specifically designed for handling general and breakbulk cargo, along with facilities for container cargo.

The port's dry cargo handling is further enhanced by various storage facilities within the Custom Bonded area, providing ample space for both import and export cargoes. The Deendayal Port Authority offers a variety of dry cargo storage options, including open and closed storage, with competitive rates.

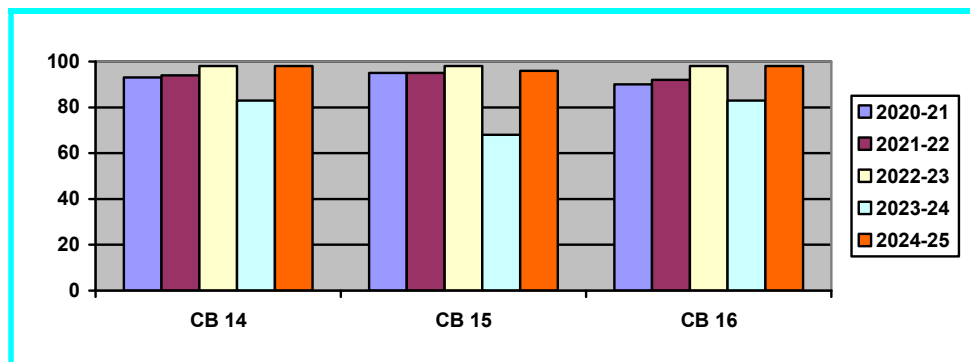
Details of existing Cargo Berth No. 14 to 16, DPA



At newly constructed Cargo Berth no. 14 to 16, DPA is handling variety of clean dry cargo such as salt, fertilizer, food grains, ODC / project cargo etc.

Jetties are of 300 x 50 mtrs size and having design load Bearing capacity of 5 Ton / m². Extreme / tough weather conditions with temperature conditions (5° C to 50° C) are prevailing. Permissible Draught and DWT of vessels being handled at Cargo Berths are available at Annexure-3.

Berth occupancy (in percentage) for referred Berths during 2020-21 to 2024-25 are:



Existing method & equipments available for cargo handling at CB 14 to 16:

As on date, considerable dry cargo is being handled as these jetty through traditional method. Loading of cargo is carried out by stevedoring agencies with the help of Ship Gears or using Port owned two nos. Italgru make 100 ton capacity Harbour Mobile Cranes.

Further, DPA is in process of acquiring two more similar cranes in near future.



CB 14



CJ 16

Glimpses of Dry Cargo being loaded with the held of ship gears
at jetty area Cargo Berth no. 14 & 16

During the cargo loading operations, cargo is being shifted with truck loading vehicles on berth. Thereafter with ship gear / HMCs the same are being loaded on vessels.



Cargo handling through Port owned Harbour Mobile Cranes

Timeline

Expected timeline for commissioning the complete system from issuance of Order: six to ten months.

Project Requirements / Outline

Port wishes to commission Mobile Loading system (for dry cargo: Salt, Clay, Soyabean etc.) having proven design and use case; mainly comprising of cargo receiving stand / structure (at truck dumping height), loading conveyor system, Dispatch chute / unit, Load control system, operator cabin etc. System is required to receive cargo from trucks and discharge in vessel hatches, with minimal wastage and spillage on berths.

The system shall be capable to handle rigid / actual site operational conditions.

Prime cargo to be considered for handling: Salt, Clay, Soyabean etc.

The safe loading to be ensured in Stowed position, with sufficient balance space for travelling / movement of HMCs and other vehicles at Jetty area. Further, design criteria shall consider sufficient ground clearance / undercarriage height

With a firm commitment towards Green initiatives and compliance to the 'Harit Sagar' Green Port guidelines, DPA prioritize to engage cargo handling equipments operating on Diesel & Electricity (Duo) mode.

In normal scenario, Baby-cap type vessels berthed at CB 14 to 16, are having width (outside / inside dimensions) of 260 / 38 meters.

Cargo handling / discharge rate (in TPH) of system considering smooth intake of cargo and open hatch condition: 2000 TPH.

Jetty is consisting of 11 kV (50 Hz) power supply provision.

Minimum voltage: 440 V with Short circuit Strength of 26.3 kA for 3 sec.

Maximum wind speed in parked / stowed position may be considered as 1.38 m/s.
However, in cyclonic conditions, safety features of extreme rigid & maritime conditions
to be considered.



Possible structure design (only for illustrative purpose)

OFFERCredentials of Firm

Sr.	Description	Inputs to be filled in
1.	Name of Firm	
2.	GST No.	
3.	Whether Similar Work i.e. <i>commissioning of Dry cargo loading system</i> has been executed for any Port in India ? If Yes, please provide the details of (a) capacity, (b) location and (c) employer of referred System.	
4.	Please share the copy of Work Order / Completion Certificate of referred plant.	

Parameters of offered system

Sr.	Description	Inputs to be filled in
1.	Cargo handling / discharge rate (in TPH) of system considering smooth intake of cargo and open hatch condition	2000 TPH
2.	Equipment manufactured in (Country name)	
3.	Operating on Diesel OR Electric+Diesel (Dual) mode	
4.	Conveyor dimensions (Length / Width) & material description including layers / coating	
5.	Description of Loading conveyor system (Height & footprint on jetty in parked / stowed condition)	
6.	Safety features	
7.	Undercarriage height	
8.	Load Chart for different radius	
9.	Unique Selling Proposition (USP) of system	
10.	F.E.M. / Design specifications	
11.	Maximum lifting capacity (in Ton)	
12.	Energy saving features	
13.	Photographs of system in actual working conditions	

Budgetary Offer

Sr.	Description	Unit	Qty.	Rate	Amount for the Qty.	
					in figures	in words
A	Design, Supply, Installation, Testing & Commissioning of Mobile Loading System (for Dry Cargo Salt, Clay, Soyabean etc.) consisting of cargo receiving stand / structure (at truck dumping height), loading conveyor system, Dispatch chute / unit, Load control system, operator	Lot	1			

	cabin etc. at Deendayal Port, New Kandla (with free warranty of 24 months from the date of Commissioning)					
B	Comprehensive Maintenance (inclusive of expenditure towards spares, consumables, tools & tackles, OEM support, manpower and all other requirements for safe operations of complete system, excluding fuel).					
1	3 rd Year CAMC	Month	12			
2	4 th Year CAMC	Month	12			
3	5 th Year CAMC	Month	12			
4	6 th Year CAMC	Month	12			
5	7 th Year CAMC	Month	12			
6	8 th Year CAMC	Month	12			
C	Operation cost (inclusive of all operating manpower / other expenditures)					
1	1 st Year Operation	Month	12			
2	2 nd Year Operation	Month	12			
3	3 rd Year Operation	Month	12			
4	4 th Year Operation	Month	12			
5	5 th Year Operation	Month	12			
6	6 th Year Operation	Month	12			
7	7 th Year Operation	Month	12			
8	8 th Year Operation	Month	12			
Total (A + B + C)						

(Total Rupees _____ Only)

GST Charges shall be extra.

Payment Terms

All payments will be made through RTGS.

For items at Sr. No. A:

- (a) On receipt of material at DPA site:
Seventy percent (70 %) of the item rate mentioned in Budgetary Offer shall be paid after receipt of the same at DPA site in good condition and after certification by Nodal Officer & TPIA.
- (b) Installation, Testing & commissioning:
Twenty percent (20 %) of the item rate mentioned in Budgetary Offer shall be paid against installation, testing and commissioning of the equipment after certification by Nodal Officer & TPIA.
- (c) Upon final taking over:
Ten percent (10 %) of the item rate mentioned in Budgetary Offer shall be paid upon certification of Nodal Officer & TPIA and acceptance & final taking over of the Complete plant by the DPA.

For items at Sr. No. B & C: 100 % payment will be released monthly basis.

Sign. & Seal of Contractor

Chief Mechanical Engineer
Deendayal Port Authority

Place: _____

Date: _____

Permissible Channel Draught & DWT

DEENDAYAL PORT AUTHORITY

Fax 22-05-2020 02836 - 233585

Website: www.deendayalport.gov.in

e-mail: dyconservator@deendayalport.gov.in



Office of the Dy. Conservator

Administrative Office

Post Box No. 50,

Gandhidham (Kutch) - 370201

No. MR/SH/1120/2025-01

C-I-R-C-U-L-A-R

Dated: 26/02/2025

PERMISSIBLE DRAUGHT FOR SHIPS AND TANKERS AT DEENDAYAL PORT FOR THE MONTHS
FROM APRIL TO JUNE 2025

PERMISSIBLE CHANNEL DRAUGHT WITH TIDE FOR APRIL 2025

Date	Time of	Channel	Date	Time of	Channel
	HW	Draught/Mtrs		H.W.	Draught/Mtrs.
1	0358	14.50	16	0404	14.50
	1656	14.50		1649	14.50
2	0442	14.50	17	0433	14.50
	1746	14.50		1720	14.50
3	0527	14.50	18	0502	14.50
	1842	14.50		1752	14.50
4	0618	14.50	19	0538	14.41
	1947	14.50		1832	14.50
5	0721	14.47	20	0628	14.23
	2059	14.50		1928	14.50
6	0850	14.10	21	0736	14.12
	2211	14.50		2041	14.50
7	1044	14.10	22	0901	14.17
	2319	14.50		2157	14.50
8	1208	14.45	23	1035	14.49
	----	14.50		2303	14.50
9	0020	14.50	24	1150	14.50
	1305	14.50		2359	14.50
10	0109	14.50	25	1245	14.50
	1346	14.50		-----	---
11	0148	14.50	26	0046	14.50
	1419	14.50		1332	14.50
12	0218	14.50	27	0127	14.50
	1447	14.50		1417	14.50
13	0242	14.50	28	0209	14.50
	1513	14.50		1503	14.50
14	0306	14.50	29	0251	14.50
	1543	14.50		1550	14.50
15	0334	14.50	30	0336	14.50
	1616	14.50		1641	14.50

DEENDAYAL PORT AUTHORITY

Fax 22-05-2020 02836 - 233585
Website: www.deendayalport.gov.in
e-mail: dyconservator@deendayalport.gov.in



Office of the Dy. Conservator
Administrative Office
Post Box No. 50,
Gandhidham (Kutch) - 370201

No.MR/SH/1120/2025-1

C-I-R-C-U-L-A-R

Dated: 26/02/2025

**PERMISSIBLE DRAUGHT FOR SHIPS AND TANKERS AT DEENDAYAL PORT FOR THE MONTHS
FROM APRIL TO JUNE 2025**

PERMISSIBLE CHANNEL DRAUGHT WITH TIDE FOR MAY 2025					
Date	Time of	Channel	Date	Time of	Channel
	HW	Draught/Mtrs		H.W.	Draught/Mtrs.
1	0425	14.50	16	0414	14.50
	1734	14.50		1704	14.50
2	0516	14.50	17	0446	14.50
	1831	14.50		1736	14.50
3	0611	14.50	18	0526	14.50
	1929	14.50		1813	14.50
4	0717	14.43	19	0617	14.50
	2027	14.50		1901	14.50
5	0841	14.17	20	0720	14.50
	2129	14.50		1958	14.50
6	1020	14.20	21	0838	14.50
	2233	14.50		2103	14.50
7	1139	14.50	22	1007	14.50
	2332	14.50		2208	14.50
8	1233	14.50	23	1121	14.50
	----	-----		2309	14.50
9	0022	14.50	24	1220	14.50
	1313	14.50		-----	-----
10	0103	14.50	25	0003	14.50
	1347	14.50		1311	14.50
11	0136	14.50	26	0054	14.50
	1418	14.50		1358	14.50
12	0206	14.50	27	0144	14.50
	1449	14.50		1445	14.50
13	0238	14.50	28	0234	14.50
	1522	14.50		1534	14.50
14	0310	14.50	29	0325	14.50
	1557	14.50		1626	14.50
15	0343	14.50	30	0415	14.50
	1632	14.50		1720	14.50
			31	0507	14.50
				1811	14.50

DEENDAYAL PORT AUTHORITY

Fax 22-05-2020 02836 - 233585

Website: www.deendayalport.gov.in

e-mail: dyconservator@deendayalport.gov.in



Office of the Dy. Conservator

Administrative Office

Post Box No. 50,

Gandhidham (Kutch) -370201

No.MR/SH/1120/2025-1

C-I-R-C-U-L-A-R

Dated: 26/02/2025

**PERMISSIBLE DRAUGHT FOR SHIPS AND TANKERS AT DEENDAYAL PORT FOR THE MONTHS
FROM APRIL TO JUNE 2025**

PERMISSIBLE CHANNEL DRAUGHT WITH TIDE FOR JUNE, 2025					
Date	Time of	Channel	Date	Time of	Channel
	HW	Draught/Mtrs		H.W.	Draught/Mtrs.
1	0600	14.50	16	0517	14.50
	1857	14.50		1755	14.50
2	0655	14.50	17	0608	14.50
	1941	14.50		1836	14.50
3	0801	14.36	18	0705	14.50
	2025	14.50		1924	14.50
4	0919	14.33	19	0814	14.50
	2118	14.50		2017	14.50
5	1043	14.50	20	0938	14.50
	2218	14.50		2118	14.50
6	1149	14.50	21	1054	14.50
	2321	14.50		2224	14.50
7	1237	14.50	22	1158	14.50
	-----	14.50		2329	14.50
8	0014	14.50	23	1255	13.80
	1317	14.50		----	14.50
9	0058	14.10	24	0032	14.50
	1354	14.50		1346	14.50
10	0138	14.50	25	0131	14.50
	1429	14.50		1434	14.50
11	0217	14.50	26	0227	14.50
	1504	14.50		1523	14.50
12	0252	14.50	27	0321	14.50
	1542	14.50		1612	14.50
13	0326	14.50	28	0409	14.50
	1618	14.50		1657	14.50
14	0400	14.50	29	0454	14.50
	1649	14.50		1738	14.50
15	0436	14.50	30	0537	14.50
	1720	14.50		1810	14.50

1. The maximum permissible draft in the channel is 14.50 m. However, maximum permissible drafts at individual Berths, moorings and anchorages will apply separately.
2. Container vessel upto 350 m can be handled with a draft of 14.5 m, subject to availability of tide.
3. Movements for Ships and Tankers having maneuverable speed of less than 9 knots through water, are permitted with one additional Tug on chargeable basis, during dark hours. However, this condition is not applicable to Tugs/Barges.
4. Berthing of vessels to Buoy moorings will be restricted to daylight hours only.
5. Vessel will not be permitted to anchor at Kandla Creek inner anchorage except in case of emergency.
6. Minimum tide of 6 m is required for handling vessels with draft 14.5 m.
7. Vessels with a departure draught of 10.5 m. or more should be brought starboard side alongside on the flood tide as far as possible to prevent delay in sailing to await change of tide. In case the vessel is portside alongside due to any reason, she may be turned around to face the flood during the stay at berth whenever practical.
8. The draught, length and DWT etc. at various berths are given below. The draught shown at various berths are indicated for the chart datum depth unless stated otherwise-

(i)	Oil Jetty No.1	Oil Tankers drawing upto 10.6 m draught with LOA upto 185 m and DWT upto 65,000 tonnes.
(ii)	Oil Jetty No.2	Tankers upto LOA183 m, DWT upto 52,000 tonnes and maximum draught of 10.3 m shall be allowed for berthing.
(iii)	Oil Jetty No. 3	<div style="display: flex; align-items: flex-start;"> <div style="margin-right: 20px;">(a)</div> <div>Tankers drawing upto 10.6 m LOA upto 213.4m and DWT upto 40,000 tonnes.</div> </div> <div style="margin-left: 100px;"> <div style="display: flex; align-items: flex-start;"> <div style="margin-right: 20px;">(b)</div> <div>If a tanker of 213 m is berthed at Oil Jetty No. 2, the length of the vessel at Oil Jetty No. 3 shall not exceed 183m</div> </div> </div>
(iv)	Oil Jetty No. 4	Oil tankers drawing upto 10.70m draught LOA upto 216 m and DWT upto 56,000 tonnes are permissible.

- (v). IFFCO Jetty Tankers upto LOA 216m, DWT 45,000 tonnes with the draught of 9.5 m shall be permitted for berthing. Additional advantage of upto a maximum draught of 10.7 m shall be allowed depending upon the height of next low water.
- (vi). Oil Jetty No. 6 (IOCL) Ships drawing upto 10.1m draught, LOA upto 216 m and DWT upto 45,000 tonnes shall be permitted.
- (vii). Oil Jetty No. 7 Ships drawing upto 13.0 m draft, LOA upto 230 m and DWT upto 65,000 tonnes

NOTE: The draught at Oil Berths are available at minimum tide. However, higher draughts upto a maximum of 10.4 m unless mentioned otherwise may be allowed upon an undertaking that the draught of the vessel will be reduced to the permissible draught of the berth before the next low water. This will be on individual cases depending on the tide of the day.

9. Cargo Berths

THE PERMISSIBLE DRAFT AND DEAD-WEIGHT BERTH-WISE
AT CARGO JETTY AT DEENDAYAL PORT ARE AS UNDER :

BERTH NO.	PANEL NO.	DWT	DRAUGHT IN MTR
I	01 TO 08	45000	10.5
II	09 TO 16	45000	10.5
III	17 TO 24	45000	10.5
IV	25 TO 32	45000	10.5
V	33 TO 41	45000	10.5
VI	42 TO 45	45000	12.0
VI	46 TO 51	75000	12.0
VII	52 TO 58	75000	12.0
VIII	59 TO 68	75000	12.0
IX	69 TO 76	75000	12.0
X	77 TO 85	55000	12.0
XI	86 TO 98	65000	14.0
XII	99 TO 110	75000	14.5
XIII	111 TO 130	75000	13.5
XIV	131 TO 153	100000	14.5
XV	154 TO 167	75000	14.5
XVI	168 TO 189	100000	14.5

NOTE : Suitable tidal benefit over the permissible draft at Cargo Jetties will be provided subject to not exceeding the permissible draft of channel and agent given undertaking that draft will be reduced to berths permissible draft prior next low water.

ADANI KANDLA BULK TERMINAL PVT.LTD. (AKBPTL)

Maximum LOA permitted at AKBPTL 1 & 3 300 m with maximum draft of 15.0m
Maximum LOA permitted at AKBPTL 2 230 m with maximum draft of 13.0 m
Maximum LOA permitted at AKBPTL 4 190m with maximum draft of 13.0 m

No II General Cargo Mooring : Ships drawing upto 7.9m (26 ft.) max. length over all 167.5m (550 ft) at zero tide.

No. III General Cargo Mooring: Ships drawing upto 8.2 m (26.9 ft) max. length over all 182.93 m (600 ft) at zero tide.

Deputy Conservator
Deendayal Port Authority