



Office of the Chief Mechanical Engineer  
2<sup>nd</sup> Floor, Annex-Administrative Office,  
Gandhidham, Kutch, Pin-370201  
Email: cme@deendayalport.gov.in

No. EL/WK/2848

Date: 19.06.2025

To,

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**'Expression of Interest'**

**Sub:** EOI for hiring of Two Nos. HMC cranes of capacity 100MT or above for cargo handling at Deendayal Port Authority Kandla for a period of 10 years – Reg.

Sir,

Deendayal Port Authority (DPA), an autonomous body under the Ministry of Ports, Shipping & Waterways, Govt. of India, intends to hire two HMC cranes of capacity 100MT or above for handling cargo at Kandla Cargo Jetty Areas. The project requires a reliable and efficient HMC crane to ensure the smooth handling and transportation of cargo at DPA.

It is requested to kindly submit your quotation for the subject work on the basis of the Technical Specification, Operational Requirement and General terms & Conditions enclosed herewith. Quotation should include details about your firm as well as any comments or suggestions you might have regarding the proposal. Please send your submissions to the provided email addresses. The rates quoted should encompass all costs, including tools, tackles, spares & consumables, skilled personnel, services, transportation, and other auxiliary charges necessary for the successful execution of the work. Please ensure that the GST applicable is shown separately, as it will not be considered for evaluation purposes. Your quotation with Forms- A & B for the subject work should reach this office on or before **27.06.2025**.

Thanking you,

Yours faithfully,  
**Sd/-**  
**Chief Mechanical Engineer(I/c)**  
**Deendayal Port Authority**

## **1. INTRODUCTION:**

Deendayal Port Authority, Kandla, is one of the busiest and twelve major Ports of India and is located on the west coast of India, in the Gulf of Kutch at 23° 01' N and 70° 13'E in the state of Gujarat in India. Deendayal Port has been achieving first position among all the Major Ports of India in the terms of cargo handling for the most of the years in last decade. Thus, Deendayal Port Authority has been contributing the most for the development of port capacity and handling seaborne trade of the country.

Presently, Deendayal Port handles dry cargo at its fourteen general cargo /multipurpose berths and a PPP berth of Adani Kandla Bulk Terminal Pvt Ltd is operational from 2015; Container handling berth of 11th and 12th in Kandla, operational in PPP mode under Kandla International Container Terminal Private Limited; seven jetties for handling POL products and other liquid cargo traffic at Kandla and three Single Buoy Mooring (SBM) at Vadinar for handling crude oil. The port is spread over 330 hectares which is fully custom bonded. Deendayal Port has mooring facilities in the inner harbor area for stream handling; there are four cargo moorings and one deep draft mooring point in this area.

The traffic handled by Deendayal Port has shown a consistent increase and it's been growing at a faster pace. The total traffic (both liquid and dry cargo) handled by the Port has gone from 45.91 million tons in 2003-04 to 131.82 million tons in 2023-24. It shows the CAGR of 8.11 % over the said Fifteen years' period. Deendayal Port Authority intends to hire two HMC crane of capacity 100MT or above for handling cargo at Kandla at inside cargo jetty area. The project requires a reliable and efficient HMC cranes for handling cargo at berths as per the requirement of DPA.

## **2. BROAD SCOPE OF WORK:**

- Deployment of two Nos. Harbour Mobile Cranes (HMC) of capacity 100MT or above including Grabs (min. 30MT) on a Monthly hiring basis for handling various cargo at Cargo Jetty Area of DPA.
- Operation & Maintenance of said HMCs of 100MT or above capacity will be for a period of ten years in case of new cranes. However, the tenure of the used crane's will be considered as per the table below. Further, the cranes older than 05 years will not be considered.
- In case of old Cranes (up to 05 years older), after 10 years of life of cranes, new crane shall be deployed by the contractor at DPA for the remaining period of the contract.
- De-mobilization of HMC crane on completion of contract period.

### 3. TECHNICAL SPECIFICATIONS:

The offered HMC Crane shall meet the following requirements.

Sr. No.	Description of Parameter / Feature	Details / Requirement												
1.	Number of Crane Required	2 nos.												
2.	Duration of Hiring	Ten years												
3.	Vessels to be Handled	Panamax/New Panamax or as per requirement of DPA												
4.	Lifting capacity of HMC	Capacity of 100MT or above												
5.	Uniform load distribution	The berth is designed for live load of 5 MT/m2 and truck load of Class AA loading. However, the pad sizes should not be less than 6 Mtr. X 2 mtr.												
6.	Outreach	Min. 45Mtr												
7.	Mode of operation	Diesel / Electrically / hybrid												
8.	Grabs – min. 2 Nos. per crane (one for handling density of less than or equal to 1 and second above 1 to 2.5 )	Suitable for handling multiple cargo including Salt, Soya Bean, wheat, sugar, Urea, MOP, Sulphur, RSM, clay, scrap, coal, coke etc.												
9.	Minimum Average per day output considering stoppages beyond control of Contractor as per SOR of DPA	As per berthing policy, per day cargo handling norms set by port for these cargoes are as under-												
		<table><tr><td>Cargo</td><td>MTPD (MT per day, each crane)</td></tr><tr><td>Salt</td><td>14,000 MT per day</td></tr><tr><td>Iron Ore</td><td>13,800 MT per day</td></tr><tr><td>Gypsum, MOP, Fertilizer</td><td>11,500 MT per day</td></tr><tr><td>Coal</td><td>13,000 MT per day</td></tr><tr><td>Food grains, pet coke, met coke</td><td>09,005 MT per day</td></tr></table>	Cargo	MTPD (MT per day, each crane)	Salt	14,000 MT per day	Iron Ore	13,800 MT per day	Gypsum, MOP, Fertilizer	11,500 MT per day	Coal	13,000 MT per day	Food grains, pet coke, met coke	09,005 MT per day
		Cargo	MTPD (MT per day, each crane)											
		Salt	14,000 MT per day											
		Iron Ore	13,800 MT per day											
		Gypsum, MOP, Fertilizer	11,500 MT per day											
		Coal	13,000 MT per day											
Food grains, pet coke, met coke	09,005 MT per day													

10.	Crane Operability	DGFASLI authorized competent person's certification along with OEM Certification on operational performance and safety compliance regarding reliable operation during O&M
11.	Maximum Running hours/life of HMC	Below 20000 hrs/ not more than 05 years
Following information shall be given by the Firm		
12.	Year of manufacture	To be indicated by the firm
13.	Model of HMC	To be indicated by the firm
14.	Boom length	To be indicated by the firm
15.	Per hour consumption of Diesel during operation	To be indicated by the firm
16.	Per hour consumption of Diesel during idle hours	To be indicated by the firm
17.	Safety Devices Provisions	To be indicated by the firm

#### 4. OPERATIONAL REQUIREMENT:

Sl. No.	Description of Parameter/ Feature	Details/Requirement
1.	Working Days	All days in a month including Sundays & National Holidays.
2.	HMC Cranes	Valid statutory certificates in proof of completed statutory survey requirements
3.	Operational team along with Crane	As per requirements for operation & maintenance for round the clock 3 shift operation
4.	All gate passes formality.	Contractor's Scope
5.	Supply of Fuel	Fuel supply & electricity in scope of DPA.

## **5. GENERAL TERMS & CONDITIONS:**

- 5.1 Contract Period: 10 years.
- 5.2 Mobilization period – HMC Cranes at DPA shall be mobilized complying with all statutory requirements within 30 days after receipt of a Letter of Acceptance.
- 5.3 Within mobilization period the firm shall submit the supporting documents fulfilling the Technical Specification as outlined for acceptance of HMC Crane. DPA will give acceptance within 5 working days upon submission of entire documents in complete shape. The firm shall furnish a detailed Load Chart with a range diagram and relevant drawings of the crane intended for deployment.
- 5.4 **Commencement of Hiring:** Subject to other provisions of the Order the Hire charges starts from the date of acceptance by DPA for each crane, meeting all statutory requirements.
- 5.5 DPA shall issue Release letter on completion of engagement period or extended period for demobilization of HMC Crane. De-mobilization period – 30 days.
- 5.6 HMC crane shall be in good working conditions to operate on both hook and grab mode.
- 5.7 **DPA** shall provide necessary administrative assistance for necessary declaration letters & forms, during Mobilization & Demobilization of the crane wherever applicable.
- 5.8 **DPA** prior to arrival of HMC crane, shall allocate designated area and hand over the same to the firm if required for making their office, stores and other purpose on chargeable basis.
- 5.9 **Formalities for Gate Pass:** All formalities for taking any components and all personal (all staff) in & out of DPA shall be carried out by the firm at their own cost. All formalities for taking necessary gate passes for all the parts for smooth entry will be done by the firm's representative at their own cost.
- 5.10 **Load Test:** The load test should be carried out before putting into operation or ready to use. The load for the load test shall be arranged by the firm at their own cost. Load testing for initial (and subsequent, if any) HMC crane shall be certified by an authorized third-party inspection agency (TPIA) and DGFASLI authorized competent person. The quoted Prices of the firm shall be deemed to include load testing of the crane as required to establish the safe lifting capacity of the crane. Moreover, supporting Cranes, equipment, consumables and tools & tackles required for assembly and de-assembly of cranes is in the scope of the bidder.
- 5.11 **Signing of Log Sheet:** Log Sheet to be signed and certified by DPA site In-charge / Officials on daily basis and the same to be treated as conclusive proof for billing purpose. The bill and payment are to be made strictly based on a certified log sheet.

- 5.12 **Movement of HMC Crane:** Movement of HMC Crane within berths at inside cargo jetty area of DPA will be carried out as per requirement of DPA. The movement period is to be considered as hiring period and log sheet to be signed accordingly.
- 5.13 **During non-operational** period of HMC crane, crane shall be parked at the designated parking area safely.
- 5.14 **Payment Schedule:**  
Monthly hire charge bill to be certified and paid within 30days of submission of the bills in complete shape.
- 5.15 **GST:** Applicable GST to be paid as per prevailing law applicable.
- 5.16 **Monthly hiring charges**  
Progressive Monthly hiring period shall be considered for payment purposes from the date and time of ready for use declaration and until the equipment is withdrawn for de-mobilization from DPA.
- 5.17 **Pre-Release of Crane:** DPA will intimate the firm minimum 1 month in advance in case of default of contractor side.
- 5.18 **Manpower:** The firm shall provide trained and experienced personal for operation as well as take care for the maintenance with minimum one supervision for each crane.
- 5.19 **Insurance:** The firm shall take insurance for its crane and operating personnel. All liabilities on account of workmen compensation shall be to the account of the firm for its workmen only. The firm shall take comprehensive insurance, including third party liability for its crane.
- 5.20 The possession and effective control, at all the times, of the crane shall be that of the firm only. Operation of the Crane should be handled exclusively by the trained persons appointed by the firm.
- 5.21 **Safety of Cranes & Personal:** For the safety of crane and personnel, crane shall work strictly as per manufacturer's load chart and should adhere to all applicable safety precautionary measures.
- 5.22 **Force Majeure:** DPA shall be liable to pay the nominal rental charges of 50 % in case of crane(s) is/ are unable to work due to the reason of fire, strike, war, civil unrest, terrorist action, government regulations, acts of nature or other causes which are beyond the reasonable control of the Parties ("Force Majeure").
- 5.23 **Governing law and Jurisdiction:** In case of any dispute or claim arises between the parties, laws of India shall govern this Service Order and the courts at Gandhidham shall have exclusive jurisdiction to try and decide the matter.
- 5.24 The crane shall be provided with enough operators, helpers, service & maintenance staff to meet the site working conditions round the clock & all other consumables (if any).
- 5.25 The price quoted shall be inclusive of operation (excluding fuel & electricity) and

preventive as well as breakdown maintenance of the crane. The firm shall deploy all necessary T&P required for the operation and maintenance of all the equipment.

- 5.26 The firm shall provide all lubricants, spare parts, filters, and other necessary consumables (except fuel & electricity) that are necessary to fulfill the scope of services under this specification within the quoted rates. Hydraulic oil, Engine Oil, Grease, and all other lubricants and associated consumables e.g. filter elements, etc., have to be arranged by the firm at his own cost. The cost of repairs arising during the operation shall be borne by the contractor. Necessary manpower, fuel, lubricants, tools & tackles, assist cranes and spare parts shall be made available by the firm as a normal scope to attend the breakdowns.
- 5.27 **Rate** - The rate quoted should be firm and final, which is inclusive of all taxes (except GST) duties, fees, all types of cess, insurance, transportation, packing & forwarding and all other incidentals for successful execution of the work. The prices are rationale and reasonable.
- 5.28 **Penalty**  
In case of non-availability beyond 48 hours in a month (for each crane), penalty amount at the 1.0 times of proportionate rate per hour per crane of monthly quoted cost will be recovered for non-availability of crane (s) for each hour or part thereof for first 10 days. From 11th day of continuous breakdown of penalty amount at the 1.5 times of proportionate rate per hour per crane of monthly quoted cost will be recovered for non-availability of crane (s) for each hour or part thereof, limiting to 100% of the yearly contract value.

(a) Performance norms for operation of Harbour Mobile Cranes (HMCs)

<b>Cargo</b>	<b>Minimum daily crane performance (in MT / day)</b>	<b>Performance Penalty rate (in Rs. / MT)*</b>
Shredded Scrap	07,997	5.49
Project Cargo	No performance norm applicable	-
Other bulk cargo	No performance norm applicable	-
Other break bulk cargo	No performance norm applicable	-
Heavy Melting scrap	04,032	10.88
Thermal coal	13,000	3.10
Salt	14,000	2.94
Iron Ore	13,800	2.91
Food grains, pet coke, met coke	09,005	5.06
Steel coil	10,315	4.44
Gypsum, MOP, Fertilizer	11,500	3.65

\*with escalation as per WPI index on FY basis

If above minimum daily crane performance norms is not achieved then, performance penalty shall be applicable for total cargo handled for vessel.

The formula for calculation of Daily crane performance or average berth-day output =

$$\frac{\text{Total quantity loaded / unloaded by HMC} * 24}{\text{Net Crane operation hours}}$$

Calculation of average berth-day output is to be calculated as illustrated below

Total quantity handled by crane	24298 MT
Gross hours of crane operation	60 hrs.
Net crane operation hours	60 - (total hours of column no. 1 & 2 of Table A)
Average berth day output = $\frac{\text{Total quantity loaded / unloaded by HMC} * 24}{60 - (\text{Column. No. 1 \& 2 of Table A})}$	

\*Table-A attached in below document.

The booking time maintained / verified by Traffic Department shall be considered for computing Net operating hours in accordance with the following Circular No. EL/AC/2013/1077 dtd. 11/03/2022 or any other amendment applicable in future.

## Deendayal Port Authority

Office of the Electrical Division.  
Ground Floor,  
Port and Customs Building,  
New Kandla  
Dated: .03.2022.

No. EL/AC/2013/ 10<sup>th</sup>

### CIRCULAR

The Chairman has approved the following Standard Operating Procedure in respect of hiring of mobile harbour cranes of 60 T and 120 T as detailed below for immediate implementation :

- (1) The formula for calculation of average berth-day output :

$$\frac{\text{Total quantity loaded/unloaded by HMC} \times 24}{\text{Net time taken by crane for handling of cargo}}$$

- (2) Calculation of average berth-day output is to be calculated as illustrated below :

Total quantity handled by port cranes	24298 MT
Gross hours of crane operation	60 hrs.
Net crane operation hours	60 - ( total hours of column no. 2 of Table A)
<u>Total quantity loaded/unloaded by HMC* 24</u> 60 - (Column. No. 2 of Table A)	

- (3) Standing operating procedure in respect of different department carrying out the cargo handling operation through all types of port cranes

Traffic Department	Mechanical Engineering Department
Intimation to CME Deptt. for booking of cranes alongwith type of grabs with panel no. of berth before 01 hour of actual requirement after deposit of booking charges and advance payment by port user.	Supply of functioning crane, grabs along with operator.
Recovery of booking charges and advance payment from the port user before intimating to CME Deptt. about the requirement of crane by the port user.	Detailed record of detention for column no. 3 of <b>Table - A</b> under the signature of XEN (M)
Detailed record of detention for column no. 1 and 2 of <b>Table - A</b> under the signature of concerned ATM. (except fueling of crane and delay in posting of staff of CME Deptt.)	Intimation of quantity of cargo based on the load meter of the crane. Stoppage due to fueling of crane. Delay in posting of CME deptt.
Determination of final quantity of the cargo handled by the crane for the purpose of recovery of crane hire charges under the signature of concerned ATM	In case of malfunctioning/non-availability of the load meter, the details of loading/unloading of the cargo manually maintained by CME Deptt. as per para no. 4 under the signature of XEN (M)
	Time consumed for plate setting, if required, at the time of change in hatch.

(4) Booking charges will be adjusted against actual billing or refunded only after submission of Form -16 towards TDS deducted by the port user from the advance payment.

(5) The crane detention is to be considered as detailed below		
TABLE - A		
On Port account	On Port users account	On crane operator account, if it is out sourced
1	2	3
Shifting of vessel due to port convenience as defined in the Scale of Rates	Stoppage of work due to non evacuation/dumping of cargo from berth	Initial plate setting time
	Stoppage of work due to non availability of cargo for handling	Grab change time
	Collection of scattered cargo at berth/hatch	Break down time
	Shifting of vessel from one berth to another berth which is not at port convenience but on vessel owner/agent account	Crane operator change time for any reason. Initial travelling time of crane as crane is operated by the contractor
Due to weather constraint as declared by DPT	Draft survey of vessel	Travelling time of crane when crane is to be replaced due to break down which is attributable to crane operator when the crane operator is also looking after AMC.
Due to fuel filling in cranes	Stoppage of operation by user due to any reason not attributable to DPT/crane operator.	
Due to any written instruction for stoppage of crane operation by DPT	For change in hatches, the time taken for shifting of cranes.	
Delay in posting of DPT staff	Delay due to any operational issue in vessel	
Time consumed for plate setting, if required, at the time of change in hatch.	Change in required location of crane after initial booking intimation.	
Note: In case the crane is operated by the employees of DPT, the event of detention mentioned at column 3 will be on DPT account. The event will be time to time updated by DPT.		

(6) The Berth-day output of the port crane will be ascertained on the basis of the quantity recorded by the crane load meter. In case of reported malfunctioning/non-availability of the crane load meter as declared by XEN (M), the details of loading/unloading of the cargo will be manually maintained by CME deptt. And it will be considered for the limited purpose of determining quantity of cargo handled by the respective crane for levying crane hire charges. In such cases, the quantity of cargo manually maintained by CME Deptt, is varying from IGM (In case of import) and Mate receipt (In case of export) Issued by the Master of Vessel, the higher

Contd...

From pre-page

quantity of the cargo will be considered for limited purpose of bill for crane hire charges. Moreover, In order to ascertain the correctness of loading figure of DPT crane, ship surveyor report is to be referred in case of exclusive engagement of DPT crane.

Authority:

Approved by the Chairman vide note no. 6 dated 08.03.2022  
In file no. EL/AC/2013.

Deendayal Port Authority

TM/CDC Section/Cost Section/HM Office

SE (E)

11/3/2022

Cargo handling volume shall be determined by the software generated data by standard calibrated Load meters of HMCs.

Illustration for application of Performance Penalty rate:

Total cargo handled by HMC = 24,298 MT

Cargo / Commodity = Salt

Gross hours of booking = 60 Hours

Detention on account of DPA = 0.50 Hours

Detention on account of Stevedore = 3 Hours

Detention on account of crane operator = 0.50 Hours

Net Operating hours =  $60 - 3 - 0.50 = 56.5$  Hours

Avg. berth day output / Daily crane performance =  $24,298 * 24 / 56.5 = 10,321.27$  MT / Day

Is performance Penalty applicable? = Yes

(Since average berth day output is lesser than minimum crane performance norm of 14,000 MT / Day)

Performance Penalty rate for Salt = 2.94 Rs. / MT

Total amount of Performance Penalty =  $24,298 * 2.94 = 71,436.12$  Rs.

### **Idle Charges:**

All efforts shall be made for timely supply of materials and / or equipment where it is included in the scope of Deendayal Port. However, the Contractor shall not be entitled to any idle charges for delay in supply of materials and / or equipment by the Port Authority. Further, in case of any delay due to stoppage of work ordered by the Port Authority to avoid interruption in other important activities of Port Authority or any other reason, the Contractor shall not claim any idle charges.

**Form - A**  
**Name of firms/Applicants**  
(Organizational Structure)

1	Name & Address of the applicant with Telephone No./Fax No, website and Email	
2	a) Year of Establishment	
	b) Date & Year of commencement	
	c) Legal status of the applicant (attach copies of original document defining the legal status)	
3	a) A proprietary firm	
	b) A firm in partnership	
	c) A limited company or Corporation/ Joint venture / Consortia	
	d) State owned	
4	Any other information considered necessary but not included above	
5	PAN Number	
6	GST Registration Number	
7	Provident Fund Certificate Number	
8	Contact Person Details Name Email Phone	

**Signature of Firm and seal**

**Form - B**  
**BOQ**

**Sub:** Hiring of two HMC crane of 100MT or above capacity for handling cargo at Deendayal Port Authority (DPA) at inside Cargo Jetty Area, New Kandla for a period of Ten Years

Sr. No	Description	Unit	Qty	Monthly hiring Rate (for 02 nos. HMCs)	Amount	
					In Rs.	in Figures
2	Monthly hire charges towards O&M of HMC crane of 100MT or above capacity (excl. GST & Fuel cost) in line with the scope listed					
	a) First Year	Month	12			
	b) Second Year	Month	12			
	c) Third Year	Month	12			
	d) Fourth Year	Month	12			
	e) Fifth Year	Month	12			
	f) Sixth Year	Month	12			
	g) Seventh Year	Month	12			
	h) Eight Year	Month	12			
	i) Ninth Year	Month	12			
	j) Tenth Year	Month	12			
	<b>Total</b>					

(Total RupeesRs.: \_\_\_\_\_ Only)

**Note: The rates should be inclusive of all taxes, duties, fees, cess etc. and all incidental charges: but exclusive of GST.**

**Signature of Firm and seal**

**CONTACT DETAILS:**

Offer shall be submitted in the following mail ids:

1. see@deendayalport.gov.in
2. cme@deendayalport.gov.in

Contact person from DPA: -

1. Superintending Engineer (E)  
Mobile No.9825234436  
E-mail id: see@deendayalport.gov.in

AXEN (E): 9824813359

[Nikunj.solanki@deendayalport.gov.in](mailto:Nikunj.solanki@deendayalport.gov.in)