



An ISO 9001 : 2008 Port
ISPS CODE Compliant

MORMUGAO PORT TRUST

MARINE DEPARTMENT

TENDER No:- DC /ESTT-IV(14)/2020/2

LIMITED TENDER

FOR

**APPOINTMENT OF CONSULTANT TO ASSESS THE REQUIREMENT OF TUGS IN
MORMUGAO PORT TRUST**

Due at 15.00 hrs on 02/03/2020

MORMUGAO PORT TRUST
MARINE DEPARTMENT

NOTICE INVITING LIMITED TENDER (NILT)

DETAILS ABOUT TENDER:

| | |
|--------------------------------------|---|
| Tender inviting | DEPUTY CONSERVATOR, MORMUGAO PORT TRUST |
| Tender No. | DC/ESTT-IV(14)/2020/2 |
| Name of Work | APPOINTMENT OF CONSULTANT TO ASSESS THE REQUIREMENT OF TUGS IN MORMUGAO PORT TRUST |
| Bidding Type | Limited Tender |
| Tender Currency Settings | Indian Rupee (INR) |
| Completion Period | Entire work shall be completed within 21 days from the date of issue of LOA. |
| Qualifying Criteria | <u>Experience</u> : Minimum one Navigational Audit assessment should be carried out during last 10 years. |
| Last Date & Time for Receipt of Bids | 02/03/2020 @ 1500 Hrs. |
| Bid Opening Date& Time | 02/03/2020 @ 15.30 Hrs |
| Bid Validity | 30 days from the last date fixed for receiving the tender. |
| Address for communication: | Deputy Conservator, Office of the Deputy Conservator, Marine Dept., Mormugao Port Trust, A.O. Bldg, Headland Sada, Mormugao, Goa – 403804. |
| Contact no. | 0832-2594801 /2594803 |
| Website | www.mptgoa.gov.in |
| Email ID | dc@mptgoa.gov.in |

A. TECHNICAL SPECIFICATIONS

1. Sealed quotations in single cover system are invited from the Consultants empaneled for Major Ports approved by Govt. Of India for the work to assess the requirement of Tugs.

2. BACK GROUND

MORMUGAO PORT TRUST (ISO 9001: 2015 Certified & ISPS Code Compliant Port)

Mormugao Port, one of the oldest Indian ports on the west coast of India, with a fine natural harbour, has been relentlessly serving the Nation in its economic development for over a century. As per the Major Port Trust Act, 1963, a Board of Trustees was constituted with effect from 1st July, 1964 for the administration and management of the Port.

Mormugao Port, ever since its inception as a seventh Major Port of India in 1963, constantly strives to be totally customer-centric organization consistently delivering Value-Plus services to all its clients by offering faster turn round time, lower costs to port users, being adaptable to every requirement and consistently offering customers quality and reliable services. As a result Mormugao Port Trust plays a key role in the growth of the trade also the region's economy.

Mormugao Port Trust is an ISO 9001:2015 Certified Port. Customer satisfaction is prime motto and keeping costs down is the highest priority. Mormugao Port has been declared ISPS Code Compliant and has been issued the Statement of Compliance of Port Facility for successfully implementing the mandatory provisions of International Ship & Port Facility Security which came into force from 1st July, 2004.

Navigational Facilities

I. Approach Channel

- | | |
|--------------------------------|-------------------------------------|
| i) Length of Outer Channel | 5200 m. |
| ii) Length of Inner Channel | 2300 m |
| iii) Width of channel | 250 m. |
| iv) Depth | 14.4 m. to 13.1 m below Chart datum |
| v) Turning basins (2 nos.) DIA | 480 m. |
| vi) Tidal range: | |
| Springs | 2.3 m. |
| Neaps | 1.0 m. |

The approach channel of Mormugao Port is marked by lighted buoys in addition to other navigational aids prescribed in the Indian Hydrographic Chart Nos. 2020, 2022 & 2078 and B.A. Chart Nos. 492, 1509. One Radio Beacon 'RACON' works round-the-clock in all weathers at Aguada Light House displaying two dashes and one dot (- - .) on the ship's radar in X-band.

II. Vessel Traffic Management System (VTMS)

VTMS provides a highly sophisticated computerized radar & AIS system for vessel traffic control and safety in the navigational channel and other areas of Port waters. The VTMS was commissioned in the year 2002 by M/s Sofrelog, France. Now in the year, 2017 the existing System is being replaced with upgraded VTMS by M/s Aatash Norcontrol Ltd., Ahmedabad

Communication

Signal station situated on the north west of the Mormugao Headland, functions round-the-clock and is equipped with VHF, telephones services and VHF channels 16, 14, 12, 11 and 10 having Call sign 'GOA PORT'. Telefax No. is (0832) 2520184, 2522868 Mobile phone No. (91)9822101853.

Pilotage

Pilotage is compulsory for inward and outward movement of ships and movement between berths & moorings within the harbour. Pilotage service is provided round-the-clock with prior advice to the Harbour Master through ship's agents. During monsoon season, pilotage for ships more than 235 mtr. length is restricted to day light hours only.

Tugs

1. 1 nos. of 45 T bollard pull.
2. 2 nos. of 50 T bollard pull. (Hired)

INFORMATION TECHNOLOGY:

Mormugao Port Trust has implemented SAP ERP way back in December 2009 which includes modules like Finance & Controlling (FI-CO), HR & Payroll (HR-PAYROLL), Materials Management (MM), Sales & Distribution (SD), Project Systems (PS), Real Estate (RE) and Document Management System (DMS).

Port customers/users carry out business with Port using SAP Enterprise Portal (EP), an internet based website. This website is used by over 100 port users to transact their day-to-day business on 24/7 basis.

The various services offered on this 24/7 enterprise portal include:

- A] Vessel Related Services
- B] Cargo Related Services
- C] Container Services
- D] Railway Services

Port has also implemented Port Community System (PCS) – an internet based messaging system to transact business with its Customers & Banks including Customs Department (A business transaction is conducted by PCS users exchanging messages in a

pre-determined template). PCS has been integrated with Port Operating System (POS) & SAP Enterprise Portal.

Port successfully implemented Pension Payroll in SAP from April 2016 with the sole purpose of having all applications under SAP ERP.

Berths & Cargo Handling Facilities

| Berth No. | Height of berth datum (mtrs.) | Quay Length (mtrs.) | Maximum permissible LOA (mtrs.) | Designed Depth (mtrs.) | Type of cargo handled |
|---------------------|-------------------------------|---------------------|---------------------------------|------------------------|--|
| 1,2 & 3 | * | * | * | * | Ship Repair |
| 4 – Non cargo Berth | 4.8 | 194 | | 8.00 | For berthing non-Cargo vessels |
| 5 ** | 4.8 | 210 | 200 | 14.10 | H.R. Coils, Steel Slabs, etc |
| 6** | 4.8 | 240 | 240 | 14.10 | Coal/Coke, Lime Stone etc |
| 7 *** | 4.8 | 300 | 280 | 14.10 | Coal / Coke. |
| 8 | 4.5 | 116 298 | 300 | 13.10 | Liquid bulk (Port Concession Agreement signed on 22.09.2016 with M/s Goa Sea Port Pvt. Ltd for redevelopment on PPP basis) |
| 9 | 4.5 | 222 357.50 \$ | 335 | 14.10 | Iron ore (Port Concession Agreement signed on 22.09.2016 with M/s Goa Sea Port Pvt. Ltd for redevelopment on PPP basis) |
| Barge Berth | | 120 | | 6.00 | (Port Concession Agreement signed on 22.09.2016 with M/s Goa Sea Port Pvt. Ltd for |

| | | | | | | |
|--|-----|-----|-----|-------|---|--|
| | | | | | | redevelopment on PPP basis |
| 10 | 4.5 | 250 | 215 | 13.10 | } | General Cargo and containers |
| 11 | 4.5 | 270 | 225 | 13.10 | | |
| <u>Non Cargo Berths</u> | | | | | | |
| Cruise Terminal (along the break water) | 5.5 | 450 | 300 | 9.50 | | Cruise Ships |
| Mole Berth (along the mole) | 5.5 | 250 | 210 | 9.50 | | Cruise ships, Non-cargo ships & others Leased to Navy/Coast Guard |
| <u>Mooring Dolphins</u> | | | | | | |
| Between MD 1- 2 | - | 340 | | 14.10 | } | Iron ore, other ore. Coal /Coke & gen. cargo. |
| Between MD 2- 3 | - | 340 | | 14.10 | | |
| Between MD 3- 4 | - | 340 | | 14.10 | | |
| Between MD 4- 5 | - | 340 | | 14.10 | | |
| Between MD 5 -6 | - | 340 | | 14.10 | | |

N.B.

* Leased to WISL for ship repair facilities

** Operated on BOOT basis – M/s SWPL

*** Operated on DBFOT basis. Operation Commenced w. e f. 6.6.2014. – M/s Adani

\$ Length between extreme mooring dolphins.

Mechanical Ore Handling Plant (MOHP) at berth No. 9

Port has awarded concession for 30 years to M/s. Goa Sea Port Pvt. Ltd., to redevelop the berth nos.8, 9 & barge jetties area as General Cargo berth on PPP basis. The concession agreement was signed on 22.09.2016. The MOHP has been disposed.

Mooring Dolphins.

Six Mooring Dolphins capable of accommodating Panamax size vessels of about 70,000 DWT are available in mid-stream to handle ore, Coal / Coke and other bulk cargo by ship's own gears/Transhipper and floating Crane.

Ore Loading Facilities in Stream through Transhippers and Floating Crane.

Three privately owned Transhippers, are operated for up topping in mid-stream for large size ore carriers that are initially loaded by MOHP at Berth No.9 to the permissible draft. At times, ships are permitted to be loaded wholly by Transhippers in mid-stream. In addition to above, privately owned floating crane with loading capacity of 10,000 / day is operating at west of breakwater .

Bulk Liquid Discharging Facilities

Specialized facilities are available at berth no. 8 for handling petroleum products and other liquid cargoes like Caustic soda, Ammonia, etc. The facilities to discharge liquid cargo for tankers consigned to M/s. IOCL has been provided to B. No. 10 and handling of Phosphoric Acid tankers consigned to M/s ZACL is available at B. No.11.

General Cargo Handling Equipments

| Sr. No. | OWNED BY PORT | Nos. | Capacity each | HIRED BY PORT | Nos. | Capacity each |
|---------|--|------|---------------|---|------|---------------|
| | Description | | | Description | | |
| 1. | Plug points of suitable capacity to cater to the reefer containers | 84 | 440 V | | | |
| 2. | Locomotives | 1 | 1350 H.P. | Locomotives (M/s. Adani Logistic Ltd. Ahmedabad) | 1 | 1350 H.P. |
| 3. | Harbour Mobile Crane | 1 | 120 T | Harbour Mobile Crane (M/s. Alba Asia Pvt. Ltd., Mumbai) | 1 | 140 T |

Storage facilities

i) General cargo

No.of plots/Sheds Area (m²)

Description

Covered storage

| | | |
|--------------------------|---------|-------|
| Owned by the Port | 6 sheds | 23375 |
| Owned by Others: FCI/CWC | 4 sheds | 14480 |

Open storage under Port

| | | |
|---|---------|--------|
| Adjacent to GCB building, Behind GCB building Reefer Yard, MOHP, B.no.11 Backup, behind old Power house, Container, paved area at Bogda | 7 sheds | 233956 |
| Under User agencies (SWPL, ADANI) | 3 sheds | 76641 |

ii) Liquid Cargoes:

| <u>Commodity</u> | <u>No. of tanks</u> | <u>Capacity</u> |
|-----------------------------------|---------------------|-----------------|
| 1. POL Product | 5 | 34660 Kls |
| 2. Phosphoric Acid | 3 | 22500 MT |
| 3. Other Liquid cargo | 4 | 92000 Kls |
| 4. Other Liquid cargo | 7 | 10960 Kls |
| 5. Ammonia | 1 | 5000 MT |
| 6. PFAD/Caustic Soda & Other Liq. | 4 | 11840 Kls |

| | | |
|-------|----|-------------------------|
| Total | 24 | 149460 Kls, 27500 MT |
|-------|----|-------------------------|

Concession Agreement is signed with M/s. Goa Sea Port Pvt. Ltd., Tuticorin on 22.09.2017 for re-development of berth nos.8,9 & barge berth along with back up area Approx.65 Acres.

INLAND TRANSPORT FACILITIES

(a) Road and Inland Water Transport

Mormugao Port is connected through road with the rest of the country through two National highways NH-17 and NH-4A. The NH-4A highway eventually joins with NH-4 which connects Mumbai and Bangalore. The NH-17A highway connects Mormugao to NH-17 at Cortalim. A new bye pass 4-lane road (NH-17B) connecting Mormugao Port to NH-17 at Verna Junction by passing the Vasco Town is under construction and expected to complete by February,2019. The inland waterways through the rivers Zuari and Mandovi are extensively used for transporting ore and other cargo from mining heads through barges. The domestic airlines connects Goa directly to all major cities of India.

(b) Port Railway Facilities

The broad gauge railway system of the Port serves the general cargo berths. Port railway system is connected to South Western Railway. Mormugao Port is not directly connected to konkan railway, but linked through South Western Railway. Both these railways together facilitate easy access to the Port from any part of the country through the vast network of broad gauge railway system. South Western Railway started the doubling of track from Vasco to Hospet in two phases. In the first phase, Castlerock to Hospet is taken up and is under progress, whereas Vasco to Castlerock will be taken up in Phase-II.

B. SCOPE OF WORK :

- i. Review of the current cargo handled by the port, ship types and available berths
- ii. Average waiting time for ships, berthing/unberthing time.
- iii. Review performance parameters, Tug redundancy, if any
- iv. Cargo Trend projection for next 5 years.
- v. Projection – ship types and their frequency of visit.
- vi. Establish requirement of tugs for smooth operation of port
- vii. Preparation of the report of the assessment with clear conclusions.

C. METHODOLOGY

- a. Visit MPT for interaction with port officials regarding current fleet and their utilization
- b. Visit Port facility and berthing process
- c. Review port operations in prior situation when some tug(s) of current fleet are not available due to maintenance/dry docking etc.
- d. Obtain the 5 years projected trend for cargo and ship types
- e. Preparation of assessment chart for tug requirement based on 5 year projected data
- f. Presentation to the port on findings and discussions
- g. Submission of the final report

D. TERMS AND CONDITIONS OF WORK :

- i. The information provided at para 2 above is only to get a general idea of the setup and is not exhaustive. Assessors are required to visit the area on advance intimation to the Port and carry out detail assessment of the site at their own cost and submit their offers.
- ii. The work shall be carried out in 30 (thirty) days from the date of issue of work order.
- iii. The successful bidder shall make his own arrangements to travel to MPT including lodging and boarding during the duration of the work.
- iv. Conveyance for movement within the yard shall be arranged by the successful bidder at his own cost. The Port will arrange required gate passes for entry to the Port area free of cost.
- v. The prices shall be inclusive of all taxes and duties. GST will be paid extra as applicable. ***The prices shall be quoted as per Annexure-II in a separate envelope.*** Validity of offer shall be 30(thirty) days from the date of opening of the bid.
- vi. 100% payment will be made after acceptance of assessment report within 30 days from the date of submission of Bill.

E. DETAILS TO BE SUBMITTED BY THE BIDDERS FOR E.F.T. PAYMENT AND CREATION OF DATA BASE FOR VENDOR CODE

A. VENDOR DETAILS

| | | |
|---|---|--|
| 1 | Name of the Organization | |
| 2 | Address (in detail) | |
| 3 | Telephone No. | |
| 4 | E-mail ID | |
| 5 | PAN No. | |
| 6 | Tax Identification No. (TIN) | |
| 7 | GST Registration No. | |
| 8 | Employee Provident Fund (EPF) Registration No | |
| 9 | Employee State Insurance Scheme (ESIS) Registration No. | |

B. BANK DETAILS OF BIDDER

| | | |
|---|--|--|
| 1 | Bank Name | |
| 2 | Bank Branch Address (in detail) | |
| 3 | Bank Branch Code | |
| 4 | Bank Account No. | |
| 5 | Magnetic Ink Character Recognizer (MICR) | |
| 6 | IFSC Code | |

F. PROCEDURE FOR SUBMITTING THE BIDS :

Tender document duly stamped and signed by the bidder to be enclosed in a sealed Cover super scribed as **“APPOINTMENT OF CONSULTANT TO ASSESS THE REQUIREMENT OF TUGS IN MORMUGAO PORT TRUST”**.

- i.** Complete quotation in sealed cover as stated above shall be submitted by **15.00 hrs on 02/03/2020** to the office of the Deputy Conservator, Main Admn. Office Bldg., Mormugao Port Trust, First Floor, Head Land Sada and the same will be opened on the same day at 15.30 hrs.
- ii.** Bid having any counter conditions will not be considered for evaluation.

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Annexure-II

**NAME OF WORK: APPOINTMENT OF CONSULTANT TO ASSESS THE
REQUIREMENT OF TUGS IN MORMUGAO PORT TRUST**

PRICE SCHEDULE

| Sr. No | Description | Amount (Rs.) |
|-------------------|---|-------------------------|
| 1. | Service charges towards assessment for requirement of Tugs in Mormugao Port Trust | |
| 2. | TOTAL | |

(Rupees _____).

TENDERER'S SIGN WITH SEAL

Place :

Note:

1. The offered rates shall be inclusive of all taxes and duties.
2. GST will be paid extra as applicable.
3. If, any new tax will be imposed by State/Central Govt. and same will be reimbursed on producing documentary proof.