



An ISO 9001 : 2008 Port
ISPS CODE Compliant

MORMUGAO PORT TRUST

ENGINEERING MECHANICAL DEPARTMENT

TENDER No: - CME/SO/DS (14)/Safety Audit/2020/1

LIMITED TENDER

FOR

**SAFETY AUDIT OF ALL BERTHS/TERMINALS/FACILITIES HANDLING NON-
FLAMMABLE PRODUCTS IN MORMUGAO PORT TRUST**

Due at 15.00 hrs on 30/10/2020

Website : <https://www.mptgoa.gov.in>

MORMUGAO PORT TRUST
ENGINEERING MECHANICAL DEPARTMENT

NOTICE INVITING LIMITED TENDER (NILT)

DETAILS ABOUT TENDER:

Tender invited by	CHIEF MECHANICAL ENGINEER, MORMUGAO PORT TRUST
Tender No.	CME/SO/DS(14)/SAFETY AUDIT/2020/1
Name of Work	TENDER FOR SAFETY AUDIT OF ALL BERTHS / TERMINALS /FACILITIES HANDLING NON-FLAMMABLE PRODUCTS IN MORMUGAO PORT TRUST
EMD Cost	Rs. 16000/- (Sixteen thousand only) in the form of DD from Nationalized/Scheduled Banks. Without EMD Tender will be treated as invalid and the offers will be summarily rejected.
Completion Period	Entire work shall be completed within 90 days from the 7th day of issue of Letter of Acceptance (LOA).
Liquidated Damages	For delay in work Liquidated Damages, equivalent to 0.5% of the total contract value/per week or part thereof subject to a maximum of 5% shall be deducted from any monies due to the contractor or from security deposit.
Payment terms	100% payment shall be made within 30 days after submission of Final Audit Report with recommendations, on furnishing undisputed invoice complete in all respects.
Last Date & Time for Receipt of Bids	30/10/2020 @ 1500 Hrs.
Bid Opening Date& Time	30/10/2020 @ 15.30 Hrs
Bid Validity	6 months from the date of opening of the bid.
Address for communication:	Chief Mechanical Engineer, Engineering Mechanical Department, Mormugao Port Trust, 2 nd Floor, A.O. Bldg, Headland Sada, Mormugao, Goa – 403804.
Contact Details.	1. Chief Mechanical Engineer : 0832-2594501 Mob : 7447752276 2. Safety Officer : 0832-2594216 Mob : 9423322588
Website	https://www.mptgoa.gov.in
Email ID	cme@mptgoa.gov.in

TECHNICAL SPECIFICATIONS

1. Sealed quotations in single cover system are invited from the Consultants empaneled for Major Ports approved by Indian Ports Association for the work of Safety Audit of Port.

2. BACK GROUND

2.1 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 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.

The Port, about 125 years old, has been expanding gradually over the years meeting the demands of the growing trade. It was mainly an iron ore handling port; however the port has set its vision to shed this image diversify into a multi commodity handling port. Presently, Coal and coke are the main commodity handled. General cargo traffic and containers have also been increasing steadily.

In 1999, the Port signed a license agreement with M/s South West Port Ltd. (SWPL) to construct and operate two modern berths named 5A & 6A to handle coal / coke and other general cargo. Land area of approximately 42,000 square meters and water area of 62,000 square meters was handed over to them for this purpose. The lease period is for 30 years. The facility became operational in June 2004.

Concession Agreement for development of a dedicated Coal Terminal at Berth No.7 was signed with M/s Adani Mormugao Port Terminal Pvt. Ltd. (Adani) in 2009. The berth with all its facilities has been commissioned in June 2014.

Berth No.8 (POL berth) was commissioned in 1976.

The Port presently has two General Cargo Berths at Berth No.10 and Berth No.11. Limitation in storage capacity is a serious issue hampering the development of the port.

2.2 Cruise Terminal at Breakwater Berth

Mormugao Port has provided facilities at its existing Cruise Berth to operate 2 Nos. Domestic Passenger and Cruise vessels. i.e M.V. Angriya commissioned in November 2018 and M.V. Karnika. commissioned in April, 2019 having passenger capacity of 350 and 2500 respectively. The vessel serves transportation of Passengers from Mumbai to Goa and other cities.

2.3 Internal Roads

The freight traffic from inland areas enters the port premises through Gate No 9, Gate No 1. Presently, Gate No 9 provides access to almost 95% of truck traffic movement and the rest of the traffic enters through Gate No 1. All the important loading/unloading points related to road transport i.e containers, wood chips, fertilisers and other general cargo are located close to Gate No 9 while Gate No 1 is used for ammonia tanker movement and the trucks bound for JSWL and Adani.

2.4 Rail Connectivity

Currently all rail traffic for Mormugao Port Trust enters Vasco Station prior to exchanging into the Port Trust Railway MPT has already partly augmented its internal rail network with a view to augment its cargo handling capacity. As part of the augmentation work dedicated coal handling lines are provided for Berth No.5A & 6A and Berth No.7. Both these terminals are provided with Rapid Wagon in Motion Loading facility. Separate lines have also been provided for handling steel.

Entire Internal Port Railway network is automated by providing the signaling and telecommunication system.

2.5 Inland waterways

Goa is bestowed with an excellent system of interconnected and navigable inland waterways. The two main rivers, the Zuari and Mandovi are navigable for as much as 60 km in land from their mouths and were mainly utilized for barge transport of iron ore, the iron ore being loaded in to the barges at riverside terminals. Almost all of the iron ore handled at the Mormugao Port was shipped to the port through barges on waterways.

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

3. Berths & Cargo Handling Facilities

Berth No.	Quay Length (mtrs.)	Type of cargo handled	Remarks
1,2 & 3	*	Not in operation	Not in the scope of the Safety Audit
4	194	For berthing non-Cargo vessels	-do-
5A	210	H.R. Coils, Steel Slabs etc.	Operated on BOOT basis by M/s. JSWL
6A	240	Coal/Coke, Limestone etc.	Operated on BOOT basis by M/s. JSWL
7	300	Coal/Coke,	Operated on DBFOT basis by M/s. Adani
8	298	Liquid Bulk	Only liquid Ammonia discharged to storage facility of M/s. ZACL is in the scope of the Audit

9	357.50	Not in operation	Not in the scope of the Safety Audit
Barge Berth	120	Not in operation	Not in the scope of the Safety Audit
10	250	General cargo and containers	
11	270	General cargo and containers	
<u>Non Cargo Berths</u>			
Cruise Terminal (Along the breakwater)	450	Cruise Ships	
Mole Berth (along the mole)	250	Cruise Ships, Non-cargo ships & others Leased to Navy/Coast Guard	
<u>Mooring Dolphins</u>			
Between MD 1-2	340	Iron ore, other ore, Coal/Coke & General cargo.	
Between MD 2-3	340		
Between MD 3-4	340		
Between MD 4-5	340		
Between MD 5-6	340		

3.1 **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/HPCL has been provided to B. No. 10 and handling of Phosphoric Acid tankers consigned to M/s ZACL is available at B. No.10 and Berth No.11.

3.2 **Tank Farms**

M/s. Zuari Agro Chemical Limited (ZACL) has an Ammonia Import facility with 5000MT capacity storage tank for liquid Ammonia inside the Port area. M/s. IMC Limited has 11 storage tanks of various capacities to store 'Class C' products and other non-class products in Port area. M/s. Ganesh Benzoplast has 4 tanks of total 24Klts. capacity outside custom bond area of Port at Bogda.

3.3 **General Cargo Handling Equipments**

Sr. No.	Description	Nos.	Capacity each
1.	Plug points of suitable capacity to cater to the reefer containers, Make : SCAME	84	32A 3 ϕ , 440V

2.	Harbour Mobile Crane/Forklifts		
	a) HMC Italguru	1	120T
	b) TIL Crane	1	75T
	c) Ace Crane	1	11T
	d) Bull Crane	1	8T
	e) Forklift, Voltas make	2	3T

3.4 <u>Storage facilities</u>	<u>No.of plots/Sheds</u>	<u>Area (m²)</u>
i) <u>General cargo</u>	6sheds	<u>23375</u>
<u>Description</u>		
<u>Covered storage</u>		

3.5 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

4. SCOPE OF WORK :

Safety Audit of Mormugao Port Trust located shall be carried out as per the guidelines of Indian Standard IS: 14489 - 1998 on "Code of Practice on Occupational Safety and Health Audit", and the statute under the Dock Workers (Safety, Health & Welfare) Act 1986, the Factories Act 1948 and all other applicable standards. All applicable management and technical elements from IS: 14489 shall be covered for the safe operation in the port.

Scope of Work should include Safety Audit of all berths/terminals/ facilities handling non-flammable products, which includes Berth No.5A,6A,7,8,10,11,Cruise Terminal, Mooring Dolphins, Tank Farms, Ammonia Import Facility, storage facilities, cranes etc.

Objective of the study:

To carry out systematic, critical appraisal of all potential hazards involving personnel, port, services and operation method.

To review the existing safety system and suggest possible improvements to the same as per current regulatory requirements.

To identify potential hazards which are not covered by the safety systems procedures prevalent at the port and suggest possible mitigation measures.

To improve compliance with relevant statutory provisions and standards & codes of practice.

To ensure continual improvement in safety performance

The safety audit should broadly include:

- 1) Safety Management Systems
- 2) Safety Training Plans.
- 3) PPE Norms and Practices.
- 4) Compliance with Statutory Requirements pertaining to Safety.
- 5) Fire Hazards and their Control Measures.
- 6) Mechanical/Physical Hazards.
- 7) Electrical System and Personal Safeguarding.
- 8) Safe Operating and Maintenance Procedures.
- 9) Safety Procedures for Contract Work.
- 10) Review of Emergency Planning, Preparedness and Response Systems.
- 11) Safe Handling and Storage of Hazardous Chemicals.

5. APPROACH AND METHODOLOGY

Assignment for the Safety Audit should be carried out by using a comprehensive approach and methodology

5.1 APPROACH

The approach shall be as follows:

- i) Review of the current safety system and comparison with the existing system, procedures for controlling hazards.
- ii) Identify potential hazards.
- iii) Recommend changes if any to improve effectiveness of the existing safety programmes, procedures, systems.

5.2 METHODOLOGY

- i) Opening meeting with Head of Departments and other Senior Executives, Lessees, Tank farm owners and others concerned.
- ii) Study of relevant documents pertaining to safety procedures and systems in the Areas/Sub-areas covered under the Scope.
- iii) Study of accidents/incidents, fires/injuries, root cause and analysis.
- iv) Discussions/Interviews with key personnel at various levels.
- v) Physical inspections of port accompanied by the port personnel.
- vi) Closing meeting with the senior executives as in (i) above and presentation of the major findings.
- vii) Preparation and submission of the final audit report with recommendations.

B. GENERAL TERMS AND CONDITIONS

1. i) The information provided at para 2 above is only to get a general idea of the setup and is not exhaustive. Pre-audit information will be provided in the requisite format to the successful bidder. Assessors may visit the area on advance intimation to the Port and carry out detail assessment of the site, if required, at their own cost and submit their offers.

- ii) The work shall be completed within 90 (ninety) days from the 7th day of issue of Letter of Acceptance (LOA).
- 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 in and around the Port during the course of the field visit shall be arranged by MPT. 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 6 months from the date of opening of the bid.

2. EARNEST MONEY DEPOSIT (EMD) :

The Bidder shall furnish an EMD of Rs.16000 /-(Rupees sixteen thousand only), in the form of Demand draft (DD) drawn on Nationalized/Scheduled Banks in favour of the Financial Advisor & Chief Accounts Officer, MPT, payable at Vasco, Goa. The bid without EMD shall be treated as invalid and the offers will be summarily rejected.

The Earnest Money Deposit of unsuccessful Bidders shall be returned on award of the work Contract to the successful Bidder.

The EMD of the successful bidder shall be returned after completion of the work contract and submission of the Final Audit Report.

No interest shall be payable on E.M.D.

MPT reserves the right to forfeit the Earnest Money Deposit in respect of successful bidder, if he fails to carry out the work within the stipulated time.

3. Payment Terms:

100% payment will be made within **30 days** after submission of Final Audit Report with recommendations, on furnishing undisputed invoice complete in all respects.

4. Liquidated Damages:

In the event of failure by the contractor to complete the execution of the work within the time stipulated in the contract or by the expiry of any period of extension granted by the Board's terms thereof, the contractor shall pay the Board as Liquidated Damages for delay to complete the work, a sum of 0.5% of contract price per week or part thereof subject to a maximum of 5%. The Board shall have the power to deduct this amount from the payment of the running A/C bills due to the contractor or from the security deposit.

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

i). 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.	

ii) 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	

D. PROCEDURE FOR SUBMITTING THE BIDS :

Tender document duly stamped and signed by the bidder to be enclosed in a sealed Cover super scribed as **“SAFETY AUDIT OF ALL BERTHS/TERMINALS/FACILITIES HANDLING NON-FLAMMABLE PRODUCTS IN MORMUGAO PORT TRUST”**.

- i. Complete quotation in sealed cover as stated above shall be submitted by **15.00 hrs on 30/10/2020** to the office of the Chief Mechanical Engineer, Main Admn. Office Bldg., Mormugao Port Trust, Second 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.

- iii. The entire tender document and Price Bid, each page and forms duly filled, signed and sealed shall be submitted, signed by the person or persons duly authorized to sign on behalf of the Bidders.

Annexure-II

**NAME OF WORK: SAFETY AUDIT OF ALL BERTHS/TERMINALS/FACILITIES
HANDLING NON-FLAMMABLE PRODUCTS IN MORMUGAO PORT TRUST**

PRICE SCHEDULE

Sr. No	Description	Amount (Rs.)
1.	Fees for Safety Audit Of All Berths/Terminals/Facilities Handling Non-Flammable Products In Mormugao Port Trust as per the scope of work	
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.

