



NEW MANGALORE PORT AUTHORITY
MECHANICAL ENGINEERING DEPARTMENT

e-TENDER NO. CME-09/2022-23 dated 11/02/2023

PRE-BID REPLIES

Clarifications for queries raised by the firms in connection with the Tender “**Design, Supply, Installation, Testing & Commissioning of 01No.Column Type Vessel access telescopic gangway at Oil Berth No. 13 of NMPA along with Comprehensive Operation & Maintenance for a period of Five Years, after the expiry of free guarantee period of one year**”.

The clarifications shall constitute a part of the Tender Document for all purposes and one set should be uploaded duly signed and stamped on each and every page, along with the Tender Document.

SI No	Clause No	Tender Condition	Clarification required / Suggestion	Clarification/ Reply from NMPA
1	5.5, page 53/123	Statutory Approvals & Certifications:	Out of our scope. Our scope is only supplying the tower. We can carry out FAT witness one of IACS.	Tender Condition prevails.
2	5.7.1, page 55/123	Technical Scope and Specification in General	Out of our scope. Our scope is only supplying the tower (CIF base).	Tender Condition prevails.
3	5.7.3.6, page 57/123	Safety: Proper fire protection and fire fighting arrangement wherever necessary shall be provided.	This is better to be supplied by an expert maker. We didn't have experience to design the fire protection and fire fighting.	Tender Condition prevails.
4	5.7.4, page 57/123	Electricity & Water Sources: During DSITC period till commissioning of complete Gangway system the electricity and water required for the work has to be arranged by the successful Bidder. If made available by NMPA, shall be charged as per applicable tariff. A single point power supply source from near substation near control tower of Berth No.13 shall be provided to the successful	Shall be made available by NMPA, shall be charged as per applicable tariff. A single point power supply source from near substation near control tower of Berth No.13 shall be provided	<u>The Clause is modified as given below:</u> “ Electricity & Water Sources: During DSITC period till commissioning of complete Gangway system the electricity and water required for the work has to be arranged by the successful Bidder. If the successful bidder desires to avail electricity & water from

		<p>Bidder at his own risk & cost to MCC panel for Gangway system, the power cable for Gangway system shall be distributed from MCC Panel. Successful Bidder has to arrange the route for cabling for the operation of complete Gangway system. During Operation and Maintenance period electricity power will be provided by New Mangalore Port Authority free of cost. However, all the arrangement for tapping the source of electricity at convenient point & install metering system shall be made by the successful Bidder at his own risk & cost. Water required for the work has to be arranged by the successful Bidder. If made available by NMPA, shall be charged as per applicable tariff.</p>		<p>NMPA, the same may be provided by NMPA, subject to availability and payment of applicable charges by the bidder to the Port. In such a scenario, a single point power supply source from nearby substation at Berth No.13 shall be provided at the risk of the successful Bidder. MCC panel, cable etc. required for providing power supply to Gangway system, shall be arranged by the successful bidder at his cost.</p> <p>Successful Bidder has to arrange the route for cabling for the operation of complete Gangway system. During Operation and Maintenance period electricity will be provided by New Mangalore Port Authority free of cost. However, all the arrangement for tapping of electricity from the source at convenient point with metering system shall be made by the successful Bidder at his own risk & cost. Water required for the work has to be arranged by the successful Bidder. If made available by NMPA, shall be charged as per applicable tariff.</p>
5	5.7.5.2.3, page 59/123, 5.7.5.3.4, page 60/123	<p>Commissioning spares, Pontoons, tugs, cranes, special tools, tackles, foundation bolts, embedment, inserts, anchorage, oils, fuel, grease and lubricants shall be in the scope of the successful bidder. Further as the land access to the installation site is restricted, the successful bidder shall arrange Pontoons, tugs, cranes etc. required for installation & commissioning.</p> <p>All the equipment's required for erection such as cranes, Pontoons, tugs etc. are in the scope of the successful bidder.</p>	Request NMPT to provide Floating Barge Crane with 250 Ton Capacity with all Consumables and Crew.	Tender Condition prevails

6	5.7.5.1, page 58/123	Design and Engineering	Engineering services of Samgong are limited to the tower itself design. Only PDF format.	Tender Condition prevails.
7	5.8.7 page 62/123	All materials to be used in the work shall be of best quality, brand new in accordance with the requirement of highly saline effect & shall comply with appropriate Indian specifications and bear ISI mark. List of the materials to be used shall be submitted along with the brand, make of company, rating etc. in the Tender.	As the materials are manufactured in Korea, International standards will be followed and no ISI Mark will be beared.	<p><u>The Clause is modified as given below:</u></p> <p>The gangway access system provides safe access between the ship and the shore. Hence, all materials to be used in the work shall be of best quality, brand new in accordance with the requirement for use in highly saline environment following appropriate national/international standard, which shall be certified by independent inspection agency such as IRS, BV, DNV or any Classification Society who is a member of International Association of Classification Society.</p>
8	6.1, page 64/123	The gangway will be designed with shear bolts (or other vendor technologies to be approved by the NMPA or its representative to allow the gangway to hinge clear the ship in case of an emergency, when the ship may drift away from its moored position without the gangway being lifted clear. This design will allow for safe vessel float away without damage to vessel and only shearing of the machined replaceable bolts on the gangway.	Hinged structure. If we applied the shear bolts on the ladder, it would be damaged on the bulwark ladder or something else due to an impact of the shear bolt fracturing. Therefore, we advise being considered a more smooth way. That is our hinged type. Please kindly refer to the enclosed figure.	<p><u>The Clause is modified as given below:</u></p> <p>The gangway access system provides safe access between the ship and the shore. Hence, the gangway shall be designed with Hinged structure or other vendor specific design which shall be certified by independent inspection agency such as IRS, BV, DNV or any Classification Society who is a member of International Association of Classification Society. The gangway should have a quick release (QR) mechanism to enable the ship to drift away from its moored position, with the gangway placed on the ship. The QR mechanism should allow for drifting of ship away without damage to vessel or other Port infrastructures.</p>

9	6.4, page 67/123	Operational Requirements: The gangway steps shall be self-levelling type with anti-slip treads.	Fixed curved step. Please see the enclosed "technical justification".	<u>The Clause is modified as given below:</u> The gangway access system provides safe access between the ship and the shore. Hence, the gangway steps shall be safe for use and may be self-levelling type, fixed curved step with anti-slip treads or other vendor specific design, which shall be approved by independent international classification agency such as IRS, BV, DNV or any Classification Society who is a member of International Association of Classification Society.
10	6.4, page 67/123	Operational Requirements. Control room operator should be able to monitor Ladder visually or by CCTV.	Out of our scope. This is better to be supplied by an expert maker.	Tender Conditions prevail.
11	6.4, page 67/123	Intrinsically safe VHF communication is provided to Control room operator to communicate to Port control and the vessel.	Out of our scope. This is better to be supplied by an expert maker.	Tender Conditions prevail.
12	6.6, page 68/123	Responsibilities	Limited responsibilities as per the CIF terms. Our scope is only supplying the tower (CIF base).	Tender Conditions prevail.
13	6.10.3, page 71/123	6.10.3 Hydraulic Power Pack Unit: Separate hydraulic pumps modular construction shall be provided for main hoist drives, boom hoist drive and swing drive. Suitably sized hydraulic reservoir, filters, relief valves and air to oil finned tube heat exchanger shall be provided.	Not applicable. This requirement seems for a hoist crane.	<u>The Clause is modified as given below:</u> Hydraulic Power Pack Unit: A hydraulic pump , necessary cylinders and accessories to achieve the following motion of the ladders shall be provided, which shall be approved by independent inspection agency such as IRS, BV, DNV or any Classification Society who is a member of International Association of Classification Society:- 1. Luffing. 2. Slewing 3. Telescopic movement. The successful bidder shall also provide suitable backup /alternate system to operate the Gangway in case of the failure of above hydraulic system.

14	6.10.4, page 71/123	Lifting Cylinder: It shall be composed of a single-acting cylinder designed to lift the aluminum stairs.	Double acting cylinder. We think “lifting” means “Luffing”. In that case, the single-acting cylinder is an unsuitable device to perform the luffing motion.	<u>The Clause is modified as given below:</u> Luffing Cylinder : The design of the luffing cylinder shall be vendor specific and shall be approved by independent inspection agency such as IRS, BV, DNV or any Classification Society who is a member of International Association of Classification Society
15	6.10.9, page 72/123	All cables shall be fire retardant as per IEC 332.	Maker standards. Please see the enclosed cable catalogue.	All cables shall be of best quality, fire retardant and brand new in accordance with the requirement for use in highly saline environment complying appropriate national/international standard.
16	6.10.10.1, page 72/123	Electric Motors Ingress protection IP 67	Maker standards. IP 67 is complete protection against dust over extended time and protected against short periods of immersion in water while under pressure between 15cm and 1m. This is not required for the gangway motors. The tower motor is enclosed a power unit cover. In other words, the motor doesn't expose to outside conditions and is not submerged in water. We want to use a maker standard motor. Please see the enclosed motor data.	Motors Ingress protection IP 67 or Equivalent National/ International standard.
17	6.10.10.2, page 73/123	Starter / Siren / Indicator / End Stops and Solenoid Valves Ingress protection IP 67	Maker standards. It is hard to purchaser this grade and explosion-proof type of equipment. Thus, we want to flexibly adopt IP grade among IP 55, 56, and 65 grades.	Tender Conditions prevail.
18	6.10.12, page 73/123	Handrails yellow paints	Only steel tower. We don't recommend painting on the aluminium surface. The adhesion is worse than the steel surfaces. Naturally, the film is going to be peeled as time goes by. Also, the paint touch-up is uneasy.	Tender Conditions prevail. Further, it is clarified that, Aluminium handrails or any other surfaces made of aluminium need not be painted.

19	6.11.2, page 75/123	Load test at 100% SWL.	1) Load tests object: Telescopic ladder, 2) Load tests points: in- progress test. Load tests should be carried out as an in-progress inspection. That's why, it is hard to be tested caused by the property of telescopic ladder at FAT.	<p><u>The Clause is modified as given below:</u> The Column type vessel access Telescopic gangway shall be Load tested for 125% SWL, during FAT. Further, after installation of the Column Type Telescopic gangway at NMPA Site, same shall be Load tested as per the Dock workers (Safety, Health & Welfare) Regulation, 1990 and necessary clearance/certificate from Inspectorate Dock Safety for operating the Telescopic Gangway shall be obtained by the successful bidder, during SAT.</p>
20	5.5.2 Page 53/123	The Column type Telescopic gangway system must be certified by independent international classification agency such as IRS, BV, DNV or any Classification Society who is a member of International Association of Classification Society, for compliance of relevant specifications, standards, tests & certifications mentioned in the document for use in the Oil Berth - 13. Also the Gangway shall be certified by any independent international classification agency for Oil Companies International Marine Forum (OCIMF) norms, if any, compliance.		<p><u>The Clause is modified as given below:</u> The Column type Telescopic gangway system must be certified by independent inspection agency such as IRS, BV, DNV or any Classification Society who is a member of International Association of Classification Society, for compliance of relevant material, specifications, standards, tests & certifications mentioned in this document for use in the Oil Berth - 13. The Gangway shall also be certified by any independent inspection agency, for Oil Companies International Marine Forum (OCIMF) norms, if any, for compliance. The independent international classification agency such as IRS, BV, DNV or any Classification Society who is a member of International Association of Classification Society, appointed by the successful bidder at his cost, shall carryout stage-wise inspection, FAT or any other inspection at the successful bidder's site and certify the Gangway before dispatch. The report of the same shall be submitted to Third party Inspection agency appointed by NMPA for verification.</p>

21		Bid Security Declaration Form – Annexure - 27	-	Attached herewith as Annexure -27. The Bidder shall submit duly signed and sealed Bid Security Declaration Form – Annexure – 27 along with the technical Bid.
21	Page No.9	Schedule of Tender	Date of closing of e-Tender for submission of Bid - 06/03/2023 at 15.00 HRS	Extension of e-Tender for submission of Bid – 03/04/2023 at 15.00 HRS. Date & Time of opening of Technical Bid - 04/04/2023 at 15.00 HRS.

Sd/-
(Gladstone L V)
Executive Engineer(M)II,
NMPA, Panambur

Bid Security Declaration Form

Date: _____ Tender No. _____

To,

The Executive Engineer (M)II,
NMPA, Panambur, Mangaluru.

Sub : E-tender for **Design, Supply, Installation, Testing & Commissioning of 01No.Column Type Vessel access telescopic gangway at Oil Berth No. 13 of NMPA along with Comprehensive Operation & Maintenance for a period of Five Years, after the expiry of free guarantee period of one year.**

I/We. The undersigned, declare that:

I/We understand that, according to tender conditions, bids must be supported by a Bid Securing Declaration.

I/We accept that I/We may be disqualified from bidding for any contract with NMPA for a period of two (2) or three (3) years from the date of notification if, I am /We

- a. are in a breach of any obligation under the bid conditions,
- b. made misleading or false representations in the forms, statements and attachments submitted in proof of the qualification requirements;
- c. If the bid is withdrawn or varied or modified in a manner not acceptable to the Employer during the validity or extended validity period duly agreed by the Bidder
- d. Any effort by the Bidder to influence the Employer on bid evaluation, bid comparison or contract award decision.
- e. Fail to commence the work on the specified date as per LOA/Work order and/or.
- f. Fail to sign the Agreement AND / OR furnish the required Performance security.

I/We understand this Bid Securing Declaration shall cease to be valid if I am/we are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii) thirty days after the expiration of the validity of my/our Bid.

Signed: (insert signature of person whose name and capacity are shown)

in the capacity of (insert legal capacity of person signing the Bid Securing Declaration)

Name: (insert complete name of person signing the Bid Securing Declaration)

Duly authorized to sign the bid for an on behalf of (insert complete name of Bidder)

Dated on _____ day of _____ (insert date of signing)

Corporate Seal (where appropriate)