



**NEW MANGALORE PORT AUTHORITY**  
**MECHANICAL ENGINEERING DEPARTMENT**

**No. EE(M)II/2023-24/Telescopic Gangway**

**Date: 14/11/2023**

To,  
Prospective Bidders.

Sir,

Sub: Design, Supply, Installation, Testing, commissioning of Vessel access Telescopic Gangway system for Berth No 13 of New Mangalore Port Authority and subsequent Comprehensive Operation & Maintenance for a period of five (5) years after the expiry of free guarantee period of one year – Budgetary offer requested - Reg.

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New Mangalore Port intends to procure Vessel access Telescopic Gangway system for Berth No 13 of New Mangalore Port Authority and also entrust the Comprehensive Operation & Maintenance of the procured Gangway for a period of five (5) years, after the expiry of guarantee period of one year. The General requirement of NMPA for Telescopic Gangway (Annexure-A), General Layout Drawing of Berth No.13 (Annexure-B) and Bill of Quantity (BOQ) (Annexure-C) are enclosed herewith.

Prospective Bidders having experience in Manufacturing of Telescopic Gangway System or OEM Authorized suppliers for Telescopic Gangway System are requested to submit the technical specifications, G.A. Drawing and budgetary offer for the subject work. The offer shall be sent through post/e-mail to the undersigned on or before 05.12.2023, 15.30 hrs.

Regards,

**(Sringeswara N.S)**

Superintending Engineer (Mech.)

**Address for Communication:**

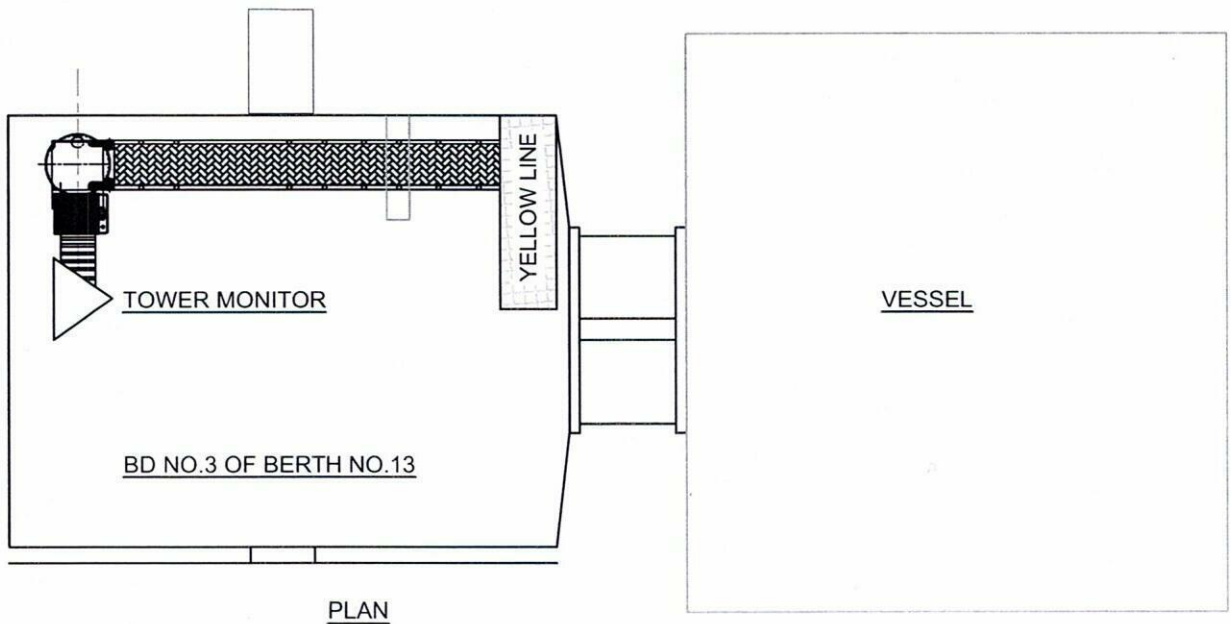
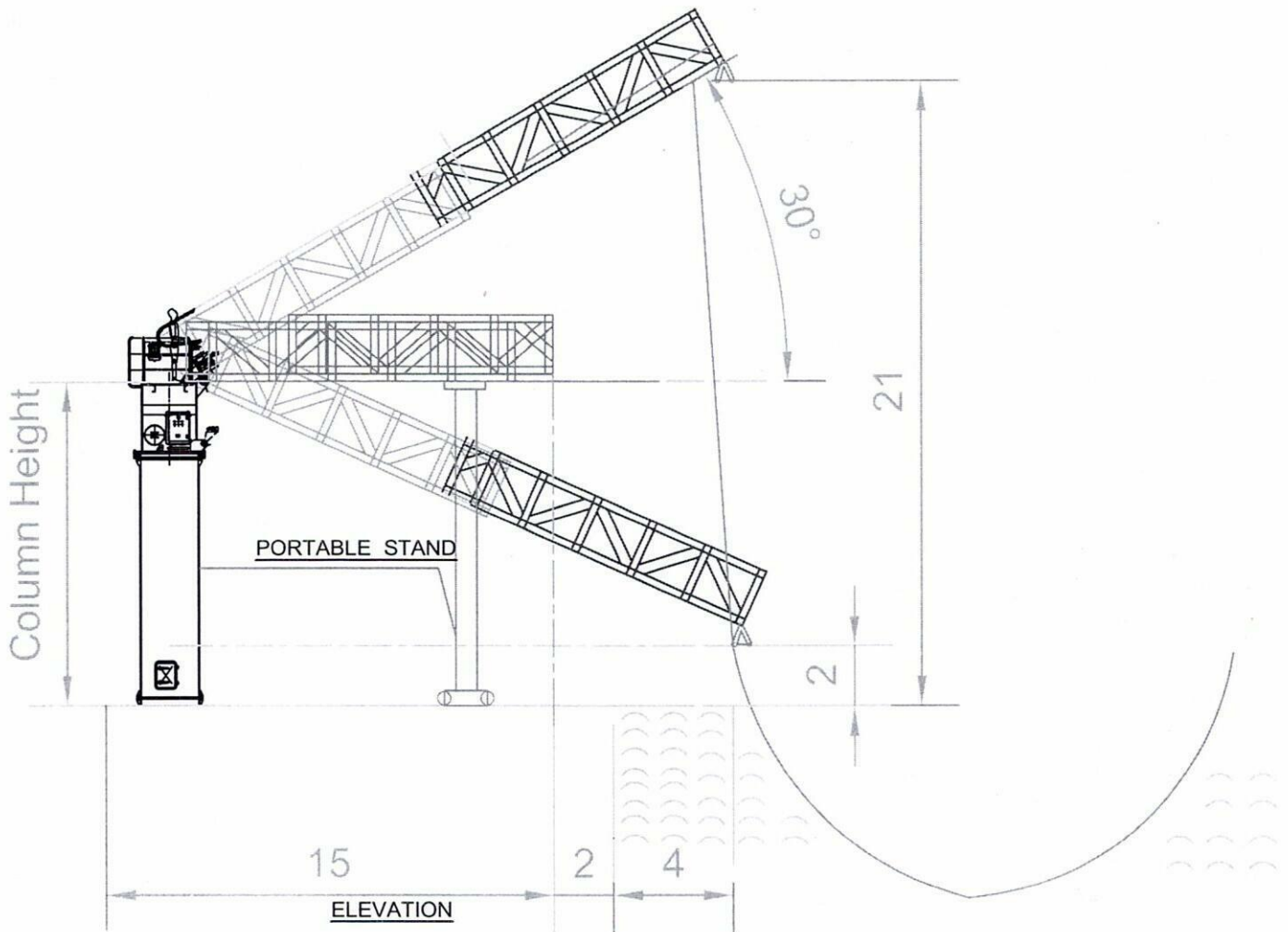
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General requirement of NMPA for telescopic gangway

1. The General requirement of NMPA for the Telescopic Gangway are as follows:
  - a. Safe working load: 500 Kg Minimum.
  - b. Location : Berthing Dolphin No: 3 (2<sup>nd</sup> from the North), adjacent to Tower monitor no:4.
  - c. Space Available for installation of Vertical Column – 4 m X 3.5 m alongside Tower Monitor No.4.
  - d. Enough space shall be provided all around the vertical column for easy maintenance.
  - e. Minimum Height of Ship's main deck (in loaded condition) from Berth level– 2 mtr.
  - f. Maximum height of Ship's main deck (in ballast condition) from Berth level – 21 mtr.
  - g. Maximum Distance of Berth face to Ship's hull (Horizontal distance) – 4 mtr.
  - h. Maximum tide variation for wave compensation +1.8 mtrs to -1.0 mtrs.
  - i. Gangway shall be parked in perpendicular position to the berth front in horizontal position when not in use.
  - j. Maximum permissible slope of Gangway in fully inclined position: 30 degree.
  - k. Maximum Height to which Gangway end has to be raised: 21 m from berth level.
  - l. Height of Fixed column –to be calculated based on (j) & (k) above.
  - m. Slewing motion of the Gangway shall be limited to compensate for vessel movement while at berth complying with all safety parameters.
  - n. Stair case flights of Tower Monitor No. 4 shall be used to climb the vertical height and a cat walk shall be provided to connect Tower Monitor No.4 and vertical column of Gangway.
  - o. Ladder should be provided with an end attachment which rests on the Ship deck for disembarkation from the ladder.
  - p. A support structure should be provided in the Berth for resting the ladder in folded condition, when the ladder is not in use.
2. The firm must submit a GA drawing clearly bringing out the above design features.

3. The Telescopic Gangway, with the help of a luffing cylinder, should be able to raise and lower the Gangway from the ship deck of 2 m, to a height of about 21m.
4. The Telescopic Gangway should be provided with a hydraulic system consisting of luffing cylinder, slew cylinder and cylinder for telescopic motion of the Gangway.
5. The Telescopic Gangway after resting on the Ship deck shall be on a free float mode to accommodate movement of ship on all 3 axes. If the Gangway senses restriction on the free float movement, then audio and visual alarms shall be raised.
6. In case of failure of system or in case of emergency, necessary mechanism for lowering the Telescopic Gangway shall be provided.
7. The Telescopic Gangway shall comply with all the safety standard for operating in the sea Port. Necessary IACS classification society certification shall be provided.
8. All the electrical system provided shall be flame proof/ explosion proof and intrinsically safe.
9. Hydraulic fluid used in the system should be flame proof certified for use in Zone-I.
10. The Telescopic Gangway shall be designed according to the space available at Berth no. 13 of NMPA. The distance from the jetty to the ship's main deck shall be fixed and the Telescopic Gangway shall have a telescopic extension to extend and position itself to the ship's main deck to enable men to board or disembark safely to & fro from the vessel from the lowest height of 2 mtrs. and up to 21 mtrs. by walking on the Telescopic Gangway. The Telescopic Gangway along with all its components/equipment/structures shall be of intrinsically safe to operate in zone-1 complying with all applicable statutory standards as oil and gases are handled at Berth No.13.

  
**(Sringeswara N.S)**  
Superintending Engineer (Mech.)



TITLE: TELESCOPIC GANGWAY

ALL DIMENSIONS ARE IN METERS AND DEGREE

NOT TO SCALE

NMPA, Panambur

BILL OF QUANTITY

A. FOR SUPPLY OF TELESCOPIC GANGWAY SYSTEM:

<u>SI No</u>	<u>Description</u>	<u>Rate</u>
1	Design, Supply, Installation, Testing, commissioning of Vessel access Telescopic Gangway system for Berth No 13 of New Mangalore Port Authority, including Guarantee and Comprehensive operation & Maintenance for a period of one year excluding GST	

B. COMPREHENSIVE OPERATION & MAINTENANCE OF TELESCOPIC GANGWAY (POST GUARANTEE PERIOD):

<u>Sl. No.</u>	<u>Description</u>	<u>Qty.</u>	<u>Rate in Rs.</u>	<u>Amount in Rs.</u>
1	Monthly Rate for First (1 <sup>st</sup> ) Year for Comprehensive Operation & Maintenance of Telescopic Gangway excluding GST	12 months		
2	Monthly Rate for Second (2 <sup>nd</sup> ) Year for Comprehensive Operation & Maintenance of Telescopic Gangway excluding GST	12 months		
3	Monthly Rate for Third (3 <sup>rd</sup> ) Year for Comprehensive Operation & Maintenance of Telescopic Gangway excluding GST	12 months		
4	Monthly Rate for Forth (4 <sup>th</sup> ) Year for Comprehensive Operation & Maintenance of Telescopic Gangway excluding GST	12 months		
5	Monthly Rate for Fifth (5 <sup>th</sup> ) Year for Comprehensive Operation & Maintenance of Telescopic Gangway excluding GST	12 months		

  
(Sringeswara N.S)  
Superintending Engineer (Mech.)  
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