



PARADIP PORT AUTHORITY

INVITATION FOR BUDGETARY OFFER

FOR

**“Design, Supply, Installation, Testing &
Commissioning of One (01) no. of column type
Telescopic Gangway at north oil Jetty along with
Comprehensive Operation & Maintenance for a
period of Five Years”**

Submission on or before 27.01.2026

(This notice is issued only to elicit an Expression of Interest from Parties interested in the Project and does not constitute any binding commitment from Paradip Port Authority to proceed with the Project or invite any or all the Parties in the subsequent bidding process.)

SECTION-I

1. PREAMBLE

Paradip Port Authority (PPA) is located on the east coast of India mainly handles bulk materials such as Iron Ore, Thermal Coal, Cooking Coal, Lime Stone etc.

Paradip Port Authority is having one (01) number of existing lattice type telescopic gangway installed at North Oil Jetty which is under operation at present. Now, PPA intends to take up the work for “Design, Supply, Installation, Testing & Commissioning of One (01) no. of column type Telescopic Gangway at north oil Jetty along with Comprehensive Operation and Maintenance for a period of five (05) years” by dismantling the existing telescopic gangway. The new column type telescopic gangway shall be installed by dismantling the existing lattice type telescopic gangway at its position and would be primarily used as a safety measure during exigencies, for reducing the berthing and de-berthing time of vessels as well as for boarding and un-boarding of concerned authorities on to the vessels berthed at North Oil Jetty (NOJ). The technical details of existing telescopic gangway is attached as **ANNEXURE-I**. The outline of location of North Oil Jetty is attached as **ANNEXURE-II**.

2. INTRODUCTION AND BASIC DATA ABOUT PARADIP PORT AUTHORITY:

Paradip Port Authority is a major sea port of India managed by the Paradip Port Authority (PPA). The Port was commissioned and open to International Traffic in 1966. The Paradip Port is situated on the east coast of India, in Jagatsinghpur District of Odisha at a latitude of 20° 15' 55" North and longitude of 85° 40' 35" East. It is situated at confluence of the Mahanadi River and the Bay of Bengal. It is about 260 nautical miles North of the Visakhapatnam Port and 210 nautical miles South of Kolkata Port. Paradip Port has 15 berths and 3 SPM's. The fifteen berths comprise three mechanized berths, seven general cargo conventional berths, two oil jetty berths and three dedicated berths.

Paradip Port is connected via road with Cuttack and Chandikhol, which are two of the major cities in Odisha.

- Chandikhol and Paradip are connected by NH-5A (4 lanes, approx. 77 Kms)
- Cuttack and Paradip are connected by SH-12 (2 lanes, approx. 90 kms)

Paradip Port Rail Network is a part of the East Coast Railway System and is connected to the hinterland via Cuttack by a broad gauge rail link. Cuttack is around 90 kms from Paradip and connects to Howrah – Chennai main line.

Meteorological Data:

Maximum temperature	:	41° C
Minimum temperature	:	8.9° C
Annual rain fall (average)	:	1500 mm.
Average wave height	:	2.76 mtr. to 3.07 mtr.
Maximum wave height	:	6.14 mtr.
Minimum tide	:	0.40 mtr.
Maximum tide	:	3.46 mtr.
Wave direction (Apr-Sept.)	:	S-N
Wave direction (Oct.-Dec.)	:	N-E
Average wind speed (summer) km/hour	:	35-42
Average wind speed (winter) km/hour	:	18-24
Maximum wind speed	:	180 km/hour as recorded on 29.10.1999

The following are the particulars of tidal levels related to the chart datum at Paradip Port:

Highest High water	(+) 3.50m
Mean High water springs:	(+) 2.58 m
Mean High water Neaps:	(+) 2.02 m
Mean Sea level:	(+) 1.66 m
Mean Low Water Neaps:	(+) 1.32 m
Mean Low water springs:	(+) 0.71m
Lowest Low water level:	(+) 0.20 m
Mean Lower Low water Springs:	(+) 0.64m
Indian Mean Sea Level:	(+) 1.5363m

Port may experience strong winds and gales when any depression, storm or cyclone develop in the Bay of Bengal and come close to the Paradip coast and Paradip falls under Seismic Zone No. III, hence necessary forces are to be considered as per IS: 1893 and other technical details in this context may be obtained by the bidder from the Meteorological Department.

3. SUMMARY

The column type telescopic gangway is a bridge to facilitate a passageway for those people concerned with ship and is designed to follow the movement of the ship.

The gangway consists of a staired post, platform, hydraulic equipment, electric equipment, control system, alarm and other ancillary equipment. When the vessel is berthed, gangway-ladder will be bridged from the post to the ship by operator to match deck level, then bridges the ladder to the ship. Length of the ladder shall be adjusted by maneuvering levers installed on the fixed platform, and the position of the ladder shall be made by adjusting angles by another lever. When inclination of ladder reaches a certain limit, an alarm bell activates for warning, however, the inclination can be increased to a mechanical limit, in which case further increase is not possible. The gangway shall be designed and fabricated as per project specifications and procedures referred in the purchase order.

4. Ship Particulars:

The facility shall be planned to design and handle the following vessels given below:

Vessel Type	DWT (In MT) (Up to)	LOA(m)	Beam(m)	Fully loaded Draft(m)	Maximum Permissible Draft at NOJ
Aframax	1,00,000	260	46	15.4	13.5
Panamax	70,000	225	36	12.5	13.5
Ultramax	62,000	200	32.2	12	13.5
Supramax	52,000	190	32.2	11.5	13.5
Handysize	32,000	180	28.4	10	13.5
Costal	20,000	148	28	10	13.5

5. Standard and Codes

The components of the equipment intended to be installed at North Oil Jetty shall be designed, assembled and tested in accordance with the standards of the Standard Institution, Institution of Electrical Engineers and Manufacturer's Association of the country where they are manufactured. The equipment and component parts shall conform to the relevant standards published by the Bureau of Indian Standards Institution wherever available so that specific aspects under Indian conditions are taken care of. Where suitable Indian Standards are not available, the below mentioned standard may be adopted with prior approval of PPA.

OCIMF	Oil Companies International Marine forum
ASTM	American Society for Testing and Materials
ANSI	American National Standards Institute
AISI	American Iron and Steel Institute
IEC	International Electro-Technical Commission
IS 1893	Criteria for Earthquake resistant design of structure
NEMA	National Electrical Manufacturer's Association
OSHA	Occupational Safety & Health Administration
EN 292	Safety of machinery. Basic concepts, general principles for design.
EN 414	Rules for the drafting and presentation of safety standards
EN 982	Safety requirements for liquid power systems and their components
EN 10002-1	Metallic materials. Tensile testing. Part 1: Method of test at ambient temperature
EN 10025	Hot rolled products of non-alloy steels.
EN 10204	Metallic products. Types of inspection documents
EN 29001/ISO 9001	Quality Management System
EN 50014	Electrical apparatus for potentially explosive atmospheres General requirements
EN 50018	Electrical apparatus for potentially explosive
ISO 898	Mechanical properties of fasteners made of carbon steel and alloy steel.
ISO 8501-1	Preparation of steel substrates before application of paints and related products. Visual assessment of surface cleanliness
BS 634	Marine Structures
DIN EN 267	Fasteners. Technical specifications and delivery conditions
DIN EN 549	Rubber materials for seals and diaphragms for oil and gas equipment.
DIN EN 1494	Mobile or movable jacks and associated lifting equipment
DIN EN 2391	Seamless precision steel tubes
AWS D1.1/D1.1 M	Structural welding code - Steel

For instance, even if the equipment is procured from abroad, it would be kept in view while making the basic design and specifications:

- Generally, all consumables are available in India,
- Servicing of all components could be easily carried out from India,
- Design and entire supply will conform to the local regulatory authorities' requirements, such as electricity authorities, dock safety, etc.

6. Design Criteria:

- 6.1 The equipment shall be designed, manufactured, tested and supplied in accordance with the requirements specified in this Specification and the codes & standard referred therein.
- 6.2 The gangway shall be designed for a Piping / equipment load on support area + 5 KN/m² additional loads and consideration of resonance by the movements of users.
- 6.3 The Contractor shall perform STUD/ Chemical analysis of concrete & piling structure / stress analysis for all critical positions of the gangway in the stored, maintenance, maneuvering and deployed positions, as applicable on the jetty, and has to be approved by 3rd Party Inspection Agency (TPIA).
- 6.4 Stress analysis shall be performed for elements of the platform structure supporting the gangway system.
- 6.5 The gangway tower shall be designed considering a deflection of at least 100mm at the deck level of the supporting breasting dolphin in any direction due to impact from the berthing vessel (ship).
- 6.6 The landing platform (on the vessel side) of the gangway shall have adjustable leg with roller which may be placed on suitable location/ space available on the deck.
- 6.7 During power failure, gangway may be able to operate manually for placing, stowing the gangway or its removal as per requirements.
- 6.8 The design of the telescopic gangway should be such that it should not cause any hindrance to the berthing and cargo operations of the vessels.
- 6.9 The gangway system shall be designed and installed to withstand the forces from dead loads, live loads, wind loads, seismic loads, thermal loads, vibration loads, impact loads and the appropriate combinations of these loads.
- 6.10 The gangway shall be designed to prevent damage to the surrounding structures and vessels during use. In addition, the design shall ensure that damage to the structures and vessels and risk to people is minimized in the event that the ship exceeds the design range of movements.
- 6.11 The gangway shall be designed with shear bolts 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. This design will allow for safe vessel float away without damage to vessel and only shearing of the machined replaceable bolts on the gangway.
- 6.12 Gangway should be capable of being locked in stored position. Gangway shall be parked at 90 degrees relative to berth frontage, when not in use to avoid hindrance on the jetty. The gangway shall be designed as per IMO Statutory requirements to withstand all weather conditions.

6.13 All electrical equipment and cables shall be of best quality, flame/explosion proof and brand new in accordance with the requirement for use in highly saline environment complying appropriate national/international standard.

6.14 Cable glands shall be made from certified nickel plated brass.

6.15 The underside of the gangway shall be protected with an electrically non-conductive material at any locations that could potentially come in contact with the ship.

6.16 All Gangway components shall be sufficiently electrically bonded to prevent stray electrical currents.

6.17 All the electrical items, shall have Ex-d enclosure with temperature class as T3 along with ingress protection of IP 67.

7. Design Life:

The design life of the Gangway and its assembly shall be minimum 20 years.

8. Operational Requirements:

- 8.1 The total area covered by the Column and the Gangway system shall be designed to the minimum as possible, considering the jetty width of 12m and safe distance from the vessel.
- 8.2 The maximum operating angle of walkway will be less than 35 degrees, either below or above the gangway horizon.
- 8.3 The gangway shall be designed to be stored behind the deflected fender face or above the highest ship deck level.
- 8.4 Extreme wind loads to be computed considering provisions of IS 875-1987 for this region/site.
- 8.5 The gangway arrangement shall have an audio/visual warning signal which shall activate when the gangway is reaching its operating limits for luffing, slewing and telescoping, etc.
- 8.6 The gangway shall have an audio / visual indication when the lift is operating.
- 8.7 The interface between gangway and ship shall be detailed by risk analysis to ensure that sparks and static electricity are not generated and passed between the gangway and ship. This risk analyzes shall be reviewed for approval by the Contractor.
- 8.8 The gangway shall be designed to accommodate all design ship motions.
- 8.9 A rest support shall be provided to stow the gangway when not in use. A mean shall be provided to lock/secure the gangway when stowed to avoid movement or damage during high wind, wave or earthquake conditions.
- 8.10 Storage position of the gangway tower, when it is not in use, has to be finalized to suit the jetty layout.

9. Connection and links

- 9.1 All connections shall develop a minimum of 100 percent of the member capacity or 1.25 times the applied load whichever is greater.
- 9.2 Structure shall be designed so as not to collect or hold water.
- 9.3 Structure shall be fully sealed as to prevent any water penetration into any elements.
- 9.4 Box sections, tubular and other closed members shall be thoroughly sealed.
- 9.5 All welds shall be continuous and provide fully sealed joints.
- 9.6 All junctions between fixed and or moving components shall have smooth transitions and no gaps or tripping hazards.
- 9.7 The contractor has to submit a report in this regard as mentioned above.

10. Documents to be submitted along with the Bid:

The Contractor shall submit following documents during tender bidding stage:

- General arrangements of each gangway unit.
- Detailed information on the configuration and dimension of gangway attachment hardware.
- Performance details including displacement and range variation.
- Details of connections to platform with dead/reaction loads clearly indicated.
- Gangway maintenance requirements.
- Electrical/instrumentation requirements.
- Gangway installation procedure.
- Spare list suggested by Contractor for three years of normal operation.
- Connectivity requirements for these equipment.

11. Documents to be submitted after award of contract:

The Contractor shall submit following documents after award of contract:

- Certified drawings showing general arrangement of gangway unit, connection details, block diagrams, arrangement and attachment details.
- Design report. Shop drawings.
- Warranty letter for referred gangway equipment (quality material and capability to perform its purpose)
- Operating, Maintenance and Repair Manual giving instructions for performing field repairs.
- Inspection and Test Plan. Factory Acceptance Test plan. Site Acceptance Plan.
- Quality Assurance plan for gangway. Element List of repair kits.
- As built drawings.
- Any other reports, information etc. required.

12. Gangway Performance:

- Gangway unit shall provide a safe and operational access to vessel sizes defined above. Gangway will be as flexible as possible along the berthing line in order to avoid any interference with loading devices systems located in the Oil Jetty.
- Considering the applicable vessel ranges, the gangway design specifications shall contemplate as horizontal distances and vertical levels of operation.
- The maximum angle of access stairway including telescopic ladder shall not exceed 40 degrees for the range of vessels.
- The slewing assembly and associated components shall be designed for all the imposed loads including, but not limited to, vertical loads, horizontal loads, overturning moments, and continuously alternating and fluctuating loads.
- Gangway elevation and telescoping shall be accomplished with a set of hydraulic cylinders powered by a central hydraulic power system.
- A corrosion allowance of 6mm shall be applied to all exposed steel surfaces.

13. SCOPE OF WORK FOR DISMANTLING OF THE EXISTING LATTICE TYPE TELESCOPIC GANGWAY AND INSTALLATION OF NEW COLUMN TYPE TELESCOPIC GANGWAY:

- 13.1 The broad scope of work includes Design, Drawing, Supply, dismantling of existing lattice type telescopic gangway, installation, testing & commissioning along with Comprehensive Operation & Maintenance for a period of Five Years of 01 (One) No. Column Type Vessel access telescopic gangway system at North Oil Jetty of Paradip Port Authority (PPA), Paradip.
- 13.2 Only after submission of approved design & drawing of the column type telescopic gangway by the 3rd Party Inspection Agency (TPIA) the dismantling work shall be executed as per instruction of the Engineer-In-Charge.
- 13.3 The Contractor shall carry out the entire dismantling work of the existing lattice type telescopic gangway with supply of all labour, T&P, special T&P, consumables, scaffolding etc. The cost towards dismantling shall be born by the contractor without any additional price implication to PPA. The dismantling of the existing lattice type telescopic gangway shall be completed within 45 days from the date of getting written clearance from the Engineer-In-Charge. However, the disposal of scraps and its components shall be the property of the contractor awarded with the work. The Contractor shall quote the final price towards Design, Supply, Installation, Testing & Commissioning (DSITC) of the new column type gangway after taking into consideration of the revenue earned by the disposal of the scrap generated towards dismantling of the existing lattice type telescopic gangway.

- 13.4 The contractor shall clear all debris, excess materials, and temporary structures (like scaffolding) from the work area after complete dismantling of the gangway.
- 13.5 Contractor shall supply adequate quantity of startup & commissioning spares so as to ensure that commissioning of the system is not hampered for shortage of commissioning spares. In case, during commissioning, any spare is used from mandatory spares, the same shall be replenished by Contractor without any cost implication, within a mutually agreed time. The design of spare shall be identical with original parts.
- 13.6 The materials/ equipment/ items to be installed for the work shall be of latest, original, interchangeable & of relevant standards.
- 13.7 Materials test certificates of steel column, stairs, bearings, cylinders, telescopic chain, electric motors, control panel, electrical components etc shall be submitted to PPA.
- 13.8 The Goods and Related Services to be supplied under this Contract shall conform to the technical specifications and standards mentioned in the tender document, and when no applicable standard is mentioned, the standard shall be equivalent or superior to the official standard whose application is appropriate to the Goods country of origin.
- 13.9 The successful Bidder will be required to furnish a phased program of the work as to how he intends to complete the work to PPA immediately on receipt of the work order and to proceed with the preliminary preparations. The successful Bidder shall indicate separate timelines for completion of various parts of the work. He will be required to adhere to such program so as to complete the entire work within the stipulated completion period.
- 13.10 All the materials that shall be required during execution shall be under the custody of the successful bidder and PPA shall not be held responsible for it.
- 13.11 The Successful Bidder shall on completion of the work when directed by the PPA remove all plants, tools, materials, and rubbish which may have been used or may have accumulated during the progress of the work, other than those permanently taken into the works of all such rubbish or surplus materials or plants.
- 13.12 Accommodation of Engineers, staffs and workmen of the Successful Bidder's shall be the responsibility of the bidder at his/their own expense and shall provide the necessary transport to and from the site of the work and accommodation for his/their employees, the intention being that the sum named in the tender shall be inclusive of all expenses whatsoever in connection with the Successful Bidder staff and labour force.

13.13 After function testing, the steel surface shall be treated as per SA2.5(ISO 8501-1) with epoxy zinc - 50 μ as primer coat, epoxy-150 μ as intermediate and top coat as epoxy-50 μ with DFT of 250 μ . The final colour of the equipment shall be MUNSELL NO. N7.0. The grating shall be hot dip galvanized.

13.14 **Third party inspection:**

The scope of third party inspecting agency includes (i) approval of Design, Drawings, Documents; (ii) inspection of materials required for execution of works; (iii) supervision of installation & commissioning of the system; and (iv) witnessing the Acceptance Tests. The contractor shall avail the services of RITES/EIL/TUV/BUREAU VERITAS/ PDIL as the third party.

13.15 In addition to the provisions mentioned in ITB, the 3rd party while inspecting, shall adhere to the requirements of the relevant standards meant for the execution. While offering its views/ recommendation, the standards referred to must be mentioned by the 3rd party. In case there is no specific standard available, the same may be clearly mentioned and proper justification in support of recommendation should be recorded in the report by the 3rd party.

13.16 The QAP required for inspection by third party shall be prepared by the Contractor which will be checked & vetted by the third party and shall be submitted for approval of PPA. The approved QAP shall be followed for inspection of the work.

13.17 In case of any doubt arising during the execution of the contract either from the Contractor side or from the PPA side, the same shall be referred to the 3rd party for suitable solution. Normally, the recommendation of the 3rd party should be acceptable to both the PPA as well as Contractor. In the event there is a disagreement in the process, the same shall be referred to Chief Mechanical Engineer, PPA for further examination of the issue. After examination, Chief Mechanical Engineer, PPA shall put his findings with reasons for approval of sanctioning authority and it shall be binding on both PPA as well as the Contractor without diluting any obligations under the terms and conditions of the contract.

13.18 PPA may reject any goods or any part thereof that fail to pass any test and/or inspection or do not conform to the specifications. The contractor shall either rectify or replace such rejected Goods or parts thereof or make alterations necessary to meet the specifications at no cost to PPA and shall repeat the test and/or inspection, at no cost to PPA.

13.19 The Contractor /Contractors shall furnish at his/their own cost all the mechanical, electrical instruments, tools & tackles, civil support/ foundation, labour and other implements etc. required for carrying out the Design, Supply, installation, testing & commissioning of the system. Any statutory approvals as required / applicable and fees shall be in scope of the Contractor.

13.20 On completion of erection work & commissioning of proposed systems, adequate space for storage of spares, tools & tackles shall be provided by PPA free of cost at convenient location during the period of comprehensive O&M of the system as per availability. However additional accommodation for office purpose, if required, shall be provided on chargeable basis as per approved scale of rates.

13.21 During Design, Supply, Installation, Testing & Commissioning (DSITC) period till commissioning of complete Gangway system the electricity and water required for the work has to be arranged by the contractor. If made available by PPA, shall be charged as per applicable tariff. A single point power supply from near substation shall be provided to the contractor at his own risk & cost to MCC panel for Gangway system, the power cable for Gangway system shall be distributed from MCC Panel. Contractor 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 Paradip Port Authority at free of cost.

14 Factory Acceptance Test:

The TPIA appointed by the bidder shall witness the testing to prove proper operation of the Gangway. All test equipment shall be provided by the Successful Bidder.

The factory acceptance test shall contain the minimum following tests:

- a) Complete trial assembly
- b) Visual inspection
- c) Dimension inspection
- d) Checking cabling and earthing
- e) Checking tapping and labelling
- f) Checking of gangway envelopes
- g) Checking alarms on extreme gangway position
- h) Testing calibration of instruments and equipment calibration certificates to be supplied
- i) Painting application
- j) Hydraulic system (oil level, pressure etc.)

The report of all the above tests shall be reviewed by the TPIA appointed by the successful bidder and sent for verification and acceptance by PPA.

15 Commissioning and Site Acceptance:

The Commissioning and site acceptance shall be carried out for ensuring the true functionality and verifying the operational requirement of the system. The bidder shall submit a test report of the trial run operation carried out at site in presence of the TPIA, representative of the bidder and representative of PPA. All test equipment shall be provided by the successful Bidder.

The site acceptance test shall consist of the operational inspection of the entire machinery/equipment along with the inspection of the working limits, safety devices, painting and other parameters as specified in the accepted report of the factory acceptance test.

On completion of the work and before handing over the system to PPA, Successful Bidder has to supply six sets of completion drawings, assembled drawings of various components, technical literature, maintenance manuals, spare parts catalogue etc., along with soft copy of the same. PLC software of Automation, Auto-cad drawings (with licensed version) in form of DVD.

16 Scope Of Work for Operation and Maintenance Contract Including The Cost Of Spares.

- 16.1 The operation & maintenance contract means that the contractor has to carry out the operations, preventive, scheduled and breakdown maintenance of the complete systems with all T&P, Special T&P, spares, consumables & labour for five years from the date of satisfactory commissioning.
- 16.2 The Contractor shall observe all applicable regulations regarding safety of man and machine. The contractor must obtain prior permission from PPA for executing any maintenance work.
- 16.3 The Contractor shall paint the Telescopic Gangway (TGW) with appropriate anti-corrosive marine paints once in a year from 1st year onwards. However, in case there is signs of corrosion on the TGW at any point of time during the contract period, the Contractor shall have to take immediate steps to check it by applying anti-corrosive paints.
- 16.4 The Contractor must ensure that the system is operated and maintained in the most efficient manner without sacrificing any safety aspect and giving due regards to the health of the system as well as personnel.
- 16.5 The contractor has to deploy suitable & adequate number of experienced persons including engineers, operators, technician, helpers etc. as required, for round the clock for the O&M of the telescopic gangway at North Oil Jetty. Contractor shall purchase the required personal protective equipment (PPEs) at their own cost and supply free of cost to the workers engaged by him/her in the work. The workers will not be allowed to work at site without PPE's. The Contractor shall arrange the required valid Port Entry Permits / Gate Passes at their own cost. The Contractor shall have to cover all its workmen under EPF & ESI irrespective of the no. of workmen engaged in the work.

The Contractor must disengage the workmen immediately in case of indiscipline, misconduct, negligence in duty, suppression of facts, deliberate mishandling of machine & equipment, sabotage, professional in-competency etc. and replace them with due intimation to PPA.

All individuals engaged by the Contractor under this contract shall be the responsibility of the Contractor and their working hours, rates of

compensation and all other matters relating to their employment shall be determined solely by the Contractor in accordance with the applicable laws & regulations. The Contractor shall be solely responsible for employment policies that specify the requirements for staff working under him and such policies are to be consistent & in conjunction with the existing applicable labour laws and any government directives applicable on PPA.

- 16.6 The Contractor shall operate and maintain the complete telescopic gangways round the clock for a period of five years from the date on which the system is accepted by the Purchaser for whole of the works. Also the contractor shall carry out repairs, defects if any, servicing and operation & maintenance for a period of five years at his costs and expenses maintain and keep the whole of the works executed through this tender in thorough repair satisfactorily.
- 16.7 The Telescopic Gangway system will operate in three shift basis (24 Hrs. a day). The normal shift timings are as follows:
- 1st Shift - 0600 Hrs to 1400 Hrs.
 - 2nd Shift - 1400 Hrs to 2200 Hrs.
 - 3rd Shift - 2200 Hrs to 0600 Hrs.
- 16.8 During the contract, watch and ward and house-keeping shall be the responsibility of the contractor at his own cost.
- 16.9 Replacement cost of spares required for maintenance/faulty spares/components, consumables during the tenure of contract period and Operation & Maintenance period will be in Contractor's account.
- 16.10 Sufficient stock of necessary spares required shall be kept during the operation and maintenance contract for uninterrupted operation.
- 16.11 The Contractor shall prepare a maintenance plan acceptable to PPA and ensure timely maintenance of the system as per the plan. A monthly report is to be submitted by the Contractor on maintenance of the system. While deciding on the schedule maintenance plan, the manufacturer's recommendations should be followed. However, the schedule may be amended later, if necessary and in consultation with the Engineer-in-Charge with a view to make it more appropriate to meet the site needs. Maintenance includes repairs / replacement of defective items or its components of the system.
- 16.12 In the event of any break down maintenance, the Contractor shall put in it's best effort to promptly attend the break down and bring the system to an operating condition as early as possible. If necessary, the Contractor shall arrange and deploy more manpower to reduce the break down period. Also, if the Services of any expert are required, the Contractor shall arrange the same in the most expeditious manner at his own cost. When the system is under break down, the Contractor's workmen shall be deployed for carrying out repairs of system.

16.13 The Contractor shall maintain the following records:

- a) Operation Register / Log Book.
- b) Scheduled maintenance Register / Log Book.
- c) Break Down Maintenance Register / Log Book
- d) Site Inspection Register.
- e) Site Materials Account Register.
- f) Hindrance Register.
- g) Complaint Register.

16.14 The format of the above Log Books shall be as per the requirement of the Engineer-in- charge. The Contractor shall submit the following monthly reports in a format acceptable to PPA along with the Bills a) Extract of Operation, b) Extract of Scheduled maintenance, c) Extract of Break Down maintenance d) Spares Consumption Report. Without these reports, Bills shall not be released for payment.

The Contractor shall maintain necessary records to indicate the availability and utilization of the system, the system performance, details of repair and maintenance of the system and consumption of spares in the system and submit a copy of the records every month to the Engineer-in-Charge for record and reference.

16.15 The contractor shall furnish the list of critical spares and their stock status at the end every month along with the reports. It is the obligation of contractor to maintain the critical spares so as to minimize the downtime of the system.

16.16 The contractor shall follow emergency procedures, which shall include action during cyclone, fire, natural calamities and such exigencies etc.

16.17 The contractor shall calibrate the essential safety devices, protection devices, measuring instruments, gauges etc. periodically to ensure the safety of the system without any additional cost to PPA.

16.18 The Contractor shall, three months prior to the expiry of the Contract Period, notify PPA in writing to take-over the system. Paradip Port shall make a final inspection within 45 days of receiving such Notice from the Contractor and take over the system on expiry of the Contract. In case of any defect or abnormality, observed during inspection, the same shall be made good by the Contractor at his own cost within a reasonable period failing which, the final payment shall be withheld. Upon receipt of the certificate of final acceptance, the Contractor will make application to PPA for final payment within 30 days. PPA shall make payment to Contractor within 30 days after receiving the final payment application, complete in all respect.

17.1 Public Procurement (Preference to Make-In-India):

In line with Public Procurement (Preference to Make-In-India), Order 2017 & its amendments issued by Govt. of India & with a view to support the Indian Industries, the following “Purchase Preference Policy” is applicable for the Class-I Local Supplier in this tender subject to the following terms & conditions:-

- (a) The subject work falls under not divisible category.
- (b) The offers sought only from Class-I local suppliers.

17.2 Definitions:

- (i) **Local Content** means the amount of value added in India (i.e., indigenous items / services added in the offered products / services / works) be the total value of the item offered (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties / IGST) as a proportion of the total value (excluding net domestic indirect taxes), in percent.
- (ii) **Class-I Local Supplier:** means a supplier or service provider whose goods, services or works offered for procurement meets the minimum local content. The local content requirement for class-I supplier is minimum 50%.
- (iii) ‘L1’ means the lowest tender or lowest bid or the lowest quotation received in a tender bidding process or other procurement solicitation as adjudged in the evaluation process as per the tender or other procurement solicitation.
- (iv) ‘Margin of Purchase Preference: means the maximum extent in which the price quoted by a Class-I local Supplier, may be above the L1 for the purpose of purchase preference.

Works mean all works as per Rule 130 of GFR 2017 and will also include turnkey works.

17.3 Eligibility of Class-I Local Supplier and Class-II Local Supplier :-

- (a) In procurement of all goods, services of works in respect of which the Nodal Ministry / Department has communicated that there is sufficient local capacity and local competition, only Class-I Local Supplier as defined under the Order shall be eligible to bid irrespective of purchase value.
- (b) Only Class-I Local Supplier as defined under the Order shall be eligible to bid in procurements undertaken by procuring entitles.

17.4 Purchase Preference:

The Class-I Local Supplier shall get purchase preference as per the following procedure:-

- (i) Among all qualified bids, the lowest bid will be termed as L1. If L1 is Class-I Local Supplier, the contract will be awarded to L1.
- (ii) If L1 is not Class-I Local Supplier, the lowest bidder among the Class-I Local Suppliers will be invited to match the L1 price subject to Class-I local Supplier's quoted price falling within the margin of purchase preference (i.e., up to 20%) and the contract shall be awarded to such Class-I Local Supplier subject to matching the L1 Price.
- (iii) In case such lowest eligible Class-I local Supplier fails to match the L1 price, the Class-I local Supplier with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the Class-I local Suppliers within the margin of purchase preference matches the L1 price, the contract may be awarded to the L1 bidder.

17.5 Verification of Local Content:

- (a) The Class-I Local Supplier at the time of tender bidding or solicitation shall be required to indicate percentage of local content and provide self-certification that the item offered meets the local content requirement for Class-I Local Supplier. They shall also give details of the location(s) at which the local value addition is made.
- (b) In case of a complaint received from any local supplier indicating a need for review / verification of local content of successful vendor / awarded vendor, for accepting a complaint from such complainant (w.r.t. the false declaration given by the successful vendor on the local content), a complaint fee of Rs.2 Lakhs or 1% of the locally manufactured items being procured (subject to a maximum Rs.5 Lakhs), whichever is higher, to be paid by demand draft by the complainant. In case, the complaint is found to be incorrect, the complaint fee shall be forfeited. In case, the complaint is upheld and found to be substantially correct, deposited fee of the complainant would be refunded without any interest.
- (c) False declarations will be in breach of the Code of Integrity for which a bidder or its successors will not be eligible and will be **debarred from further tenders / pending tenders for two years** along with such other actions as may be permissible under law. Further, in case the violation / false declaration established at later stage (during execution of works), a penalty amount up to

2% value of the order / contract will be deducted from claimed amount of the Contractor along with debarment & forfeiture of security deposit.

A Supplier who has been debarred by any procuring entity for violation of this Order shall not be eligible for purchase preference for procurement for the duration of the debarment. The debarment for such other procuring entities shall take effect prospectively from the date on which it comes to the notice of other procurement entities.

The bidder must fill up the Annexures on preference to Make in India, as attached to Vol-II of the tender document and enclose the same in technical bid failing which the bid may not be considered.

18. SITE VISIT :

Bidders are strongly advised to inspect and assess the site conditions and its surroundings at their own cost and satisfy themselves before submitting their bids. The prospective bidders are advised to depute their technical experts with authorization letter to visit, assess and examine the conditions, requirements, nature & quantum of work and locations of installations which may be necessary for the purpose of bidding and submit a realistic offer for the successful execution of the work. In general, they shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A Bidder shall be deemed to have full knowledge of the site whether he/she inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. Further as the land access to the installation site is restricted, the successful bidder shall arrange Pontoons, tugs, cranes etc. required for installation & commissioning. Bidders shall submit a realistic offer for the execution of the work at their own cost without any liability on Paradip Port Authority (PPA).

Submission of a bid by a bidder implies that he/she has read the Tender document and has made himself / herself aware of the terms & conditions and scope and specifications of the work to be done and local conditions and other factors having a bearing on the execution of work.

ANNEXURE-I

(Preference to Make in India)

Model Certificate for Tenders

“I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I hereby certify that this bidder is not from such a country and is eligible to be considered.”

Authorized signatory

(Name of the Firm entity)

ANNEXURE-II

(Preference to Make in India)

Model Certificate for Tenders

“I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this bidder is not from such a country, or if from such a country, has been registered with the Competent Authority. I hereby certify that this bidder fulfils all requirements in this regard and is eligible to be considered. [where applicable, evidence of valid registration by the Competent Authority shall be attached].

Authorized signatory

(Name of the Firm entity)

ANNEXURE-III

(Preference to Make in India)

Model Certificate for Tenders for Works involving possibility of sub-contracting

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; and on sub-contracting to contractors from such countries; I certify that this bidder is not from such a country, or if from such a Country, has been registered with the Competent Authority and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority. I hereby certify that this bidder fulfils all requirements in this regard and is eligible to be considered. [where applicable, evidence of valid registration by the Competent Authority shall be attached].

Authorized signatory

(Name of the Firm entity)

ANNEXURE-IV

(Preference to Make in India)

Model Certificate for GeM

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this vendor/bidder is not from such a country, or if from such a country, has been registered with the Competent Authority. I hereby certify that this vendor/bidder fulfils all requirements in this regard and is eligible to be considered for procurement on GeM. [where applicable, evidence of valid registration by the Competent Authority shall be attached].

Authorized signatory

(Name of the Firm entity)

ANNEXURE-V

Local content Declaration & Self Certification
as per the Government of India Order towards Public Procurement
(Preference to Make in India)

vide Letter No. P-45021/2/2017-PP(BE-II)(revised) Dated 16.09.2020.

(TO BE PROVIDED ON BIDDERS COMPANY/FIRM LETTER HEAD)

I, _____ [Name of the person(s)], S/o. _____ at _____ (Address) working as _____ (Designation and name of the firm/Company/Partnership/Joint Venture) and I have been authorized to sign the Declaration / Self Certification on behalf of firm/Company/Partnership/Joint Venture do hereby solemnly affirm and declare as under:

That I will agree to abide by the terms and conditions of the policy of Government towards Public Procurement (preference to Make in India) vide Letter No. P-45021/2/2017-PP (BE-II) (revised) Dated 16.09.2020.

That the information furnished hereafter is correct to be of my knowledge and belief and I understand to produce relevant records before the procuring entity or any authority so nominated for the purpose of assessing the Local Content.

That the local content for all inputs which constitute the said equipment has been verified by me and I am responsible for the correctness of the claims made therein.

That in the event of the domestic value addition of the product mentioned herein is found to be incorrect and not meeting the prescribed value addition norms based on the assessment of an authority so nominated for the purpose of assessing the Local Content, action will be taken against me as per the notification P-45021/2/2017-PP (BE-II), (revised) dated 16.09.2020.

I agree to maintain the following information in the company's record for a period of 8 years and shall make this available for verification to my statutory authority.

The details of the location(s) at which the local value addition is made

- (i) Name and details of the Domestic manufacture;
- (ii) Date on which this certificate is issued;
- (iii) Product for which the certificate is produced;
- (iv) Percentage of local content.

Signed by me at _____ on _____.

Authorized Signatory

(Name of the firm entity)

**Format of Certificate for tenders from Goods/Services/Works under Rule 144(xi) in the
general Financial Rules (GFRs), 2017**

To

(Name and address of tender Inviting Authority)

DECLARATION BY AUTHORISED SIGNATORY OF THE FIRM

Dear Sir,

Ref: Your Tender No. _____ dated _____.

I/We the undersigned, _____ (full name), do hereby declare, in my capacity as
_____ of M/s _____ (name of bidder entity) that:

1. I have read the Orders (Public Procurement No. 1, 2 & 3) dt. 23rd July, 2020 & 24th July, 2020 on the subject of Restriction under Rule 144 (xi) of General Financial Rule (GFRs), 2017 regarding restrictions on procurement from a bidder of a country which shares a land border with India.
2. I/We certify that M/s _____ (name of the bidder entity)
 - a) is not from such a country, I hereby certify that this bidder fulfills all requirements in this regard and is eligible to be considered. OR,
 - b) is from such a country (strike out whichever is not applicable) and has been registered with Competent Authority. I hereby certify that this bidder fulfills all requirements in this regard and is eligible to be considered. [where applicable, evidence of valid registration by the Competent Authority is attached].
 - c) I/We the Bidder agree and undertake that if the contract is awarded to us, we will not sub-contract or outsource any work and / or any part thereof to a contractor from such countries, unless such contractor is registered with the Competent Authority and proof of same is obtained. I /We hereby certify that this bidder fulfills all requirements in this regard and is eligible to be considered and I/we submit the proof of registration herewith. [wherever applicable, evidence of valid registration by the Competent Authority shall be attached].
 - d) I understand that the submission of incorrect data and / or if certificate / declaration given by M/s _____ (name of bidder/entity) found to be false, this would be a ground for immediate termination and further legal action in accordance with law as per Clause 12 of Public Order on Restriction under Rule 144(xi) of the general Financial Rules (GFRs), 2017.
 - e) This declaration cum undertaking is executed by us through our Authorized Signatory/i.e. after having read and understood the Office memorandum and Order (Public Procurement no. 1, 2, & 3) dated 23rd and 24th July, 2020 of Ministry of Finance, Department of Expenditure, Public Procurement Division, Government of India including the words defined in the said order which shall have the same meaning for the purpose of this declaration cum undertaking.

Executed at _____ on this the _____ day of _____

By Authorized signatory

(Signature and Name)

Seal of the Bidder

Note: Where applicable, evidence of valid registration by Competent Authority shall be attached.

FORMAT OF MAKE-IN-INDIA DECLARATION CERTIFICATE

(In compliance to the Public Procurement (Preference to Make-in-India) Order 2017 issued by Department of Promotion of Industry and Internal Trade (Public Procurement Section), Ministry of Commerce and Industry, Government of India, dated 16.6.2020, 04.03.2021 & 19.07.2024 (as amended)).

TO WHOMSOEVER IT MAY CONCERN

M/s.....certifies that the following component wise breakup indicated below is in line with the Make in India policy with respect to the value addition to the total price quoted by us against this E-TCN No.....

M/s..... also solemnly declare that component wise breakup given below are true and correct and understand that “false declarations will be breach of Code of Integrity under Rule 175 (1) (i) (h) of General Financial Rule (GFR) for which a bidder or its successors can be debarred for upto two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law”.

M/s.....also solemnly declare and understand that in case the given “data does not meet the stipulated Local content requirement and the category of the supplier changes from Class I to Class 2/ Non-Local or from Class 2 to Non-Local, a penalty upto 10% on the contract value may be imposed”.

Sl. No	Name of the item	Name of the manufacturer	Country of Origin	•/• value to the total cost	Location(s) and address at Which the Local value addition is made
1					
2					
3					
4					
5					
6					
Total value (in%) to the total cost					

Note: Points to be noted while certifying the declaration:

- i. For item(s) sold by Bidder as Re-seller, OEM Certificate for country of origin is to be submitted.
- ii. Supply of Re-packaged/Re-furnished/Re-branded "IMPORTED" product should be treated as "Re-selling of imported products" and must not be included while calculation of Local content.
- iii. Services such as Transportation, Insurance, Installation, Commissioning, Training and after sales service support like AMC/CMC, etc. must not be included as Local content.
- iv. All item(s) under PLI Scheme shall be treated as deemed Class II Local supplier for that item(s) unless they have minimum local content equal to or higher than that notified for Class-I Local supplier for that item.
- v. In case of procurement value in excess of Rs10 Cr, the supplier shall required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing charter accountant (in respect of suppliers other than companies) giving the percentage of Local content.

I/We hereby declare that all the details furnished above are true. If any information is found incorrect as per points mentioned above, than I agree to actions as per Rule of GFR mentioned above.

Date

Place (Signature of authorized signatory of the Bidder/Supplier with stamp)

19.0 QUALIFYING REQUIREMENTS

The interested firm shall submit details pertaining to past business experience, financial status indicating turnover of the applicant for past three years and other details given in FORM–A.

20.0 PROPOSAL

Interested firms are hereby invited to submit their Budgetary Offer in the BoQ format (Attached) along with technical details of the proposed work “Design, Supply, Installation, Testing & Commissioning of One (01) no. of column type Telescopic Gangway at north oil Jetty along with Comprehensive Operation & Maintenance for a period of Five Years”. The information submitted will be treated as confidential.

BUDGETARY OFFER TIMELINES

(A) GENERAL INFORMATIONS

Sl. No.	Item	Details
1.	Name of Work	Design, Supply, Installation, Testing & Commissioning of One (01) no. of column type Telescopic Gangway at north oil Jetty along with Comprehensive Operation & Maintenance for a period of Five Years
2.	Department/Organization	ELECTRICAL & MECHANICAL DEPARTMENT / PARADIP PORT AUTHORITY
3.	Executive Division	Workshop Division-I
4.	Officer Inviting the Bid	Executive Engineer
5.	Immediate Next Authority	Superintending Engineer
6.	Sanctioning Authority	Chairman, PPA
7.	Executing Authority	Executive Engineer

(B) OTHER INFORMATION

Sl. No.	Item	Date	Time
1	Publication date	06.01.2026	17:00 Hrs.
2.a)	Document download start date	06.01.2026	17:00 Hrs.
b)	Document download end date	27.01.2026	16:00 Hrs.
3.	Offer Submission end date	27.01.2026	16:00 Hrs.
4.	Bid Validity period	120 days	
5.	Currency of Contract	Indian Rupee	
6.	Language of Contract	English	

SECTION-II

INFORMATION & INSTRUCTION FOR APPLICANTS

1. GENERAL:

- 1.1 Letter of Interest and forms 'A', 'B' & 'C' seeking information/documents are given in Section-III.
- 1.2 All information called for in the Forms A, B & C shall be furnished against the relevant columns.
- 1.3 The applicant may furnish any additional information, which is deemed necessary to establish capability to successfully complete the envisaged project.
- 1.4 The Budgetary Offer document in the prescribed form duly completed shall be submitted either through e-mail or by registered post delivered to “**The Chief Mechanical Engineer**, Paradip Port Authority, Dist: Jagatsinghpur, Odisha, PIN – 754142, e-mail ID: cme@paradiport.gov.in” on or before **27.01.2026 at 16:00 hrs**. Documents submitted in connection with Budgetary Offer will be the property of Paradip Port Authority.
- 1.5 For further details please contact “**The Executive Engineer**, Paradip Port Authority, Dist: Jagatsinghpur, Odisha, PIN - 754142”, Mob-9238552801. Email: himansusekharp@paradiport.gov.in or the Chief Mechanical Engineer, Paradip Port Authority: cme@paradiport.gov.in .

2. PARTICULARS:

The particulars of the project given in Section-I, are only indicative / subject to change and may be considered only as advance information to assist the applicant.

3. INFORMATION TO BE GIVEN IN THE REQUIRED FORMATS:

Applicant should furnish the following:

A) ORGANISATION INFORMATION (Form-A)

Applicant is required to submit the comprehensive information in respect of his organization in the Form – 'A' attached.

B) LIST OF PROJECTS (Form-B)

Applicant is required to submit the list of similar assignments/projects successfully completed/ongoing during the last five years in Form-'B'.

C) SUGGESTIONS (Form-C)

The Firms are requested to submit their proposals/views that can be considered for the Project formulation, in Form-'C'. Additional sheets can be used.

4. DISCLAIMER

The information in this document has been prepared to assist the applicants in preparing the non-binding Budgetary Offer and it is clarified that:

- This document does not constitute any contract or agreement of any kind whatsoever.
 - This document does not, and does not purport to contain all the information that interested firms and their advisors would desire or require in reaching decisions as to the transaction. Interested applicant should form their own view as to what information is relevant to such decisions and make their own independent investigations in relation to any additional information.
 - Neither the information in this document nor any other written or oral information in relation to the transaction is intended to form the basis of or the inducement for any investment activity or any decision to enter into any contract.
 - Neither Paradip Port Authority nor their employees or advisors shall be liable to any interested party or any Entity under law including the law of contract, tort, the principles of restitution or unjust enrichment or otherwise for any loss, expenses or damage which may arise, or be incurred, or suffered, in connection with this document, or any matter that may be deemed to form part of this document, or any other information supplied by or on behalf of Paradip Port Authority or their employees or advisors or otherwise arising in any way from the selection process ahead.
 - It shall not be assumed that there shall be no deviation or change in any of the herein mentioned information. While this document has been prepared in good faith, neither Paradip Port Authority nor any of their respective officers or employees or advisors or agents make any representation or warranty or shall have any responsibility or liability whatsoever in respect of any statements or omissions here from.
5. After assessing the response to this Budgetary Offer from the Applicants, Paradip Port Authority shall initiate appropriate steps for selecting a contractor through a transparent bidding process.

SECTION-III
LETTER OF INTEREST
(To be typed in Firm's Letterhead)

To

The Chief Mechanical Engineer,
Paradip Port Authority,
Administrative Building,
Paradip Port - 754142
Dist: Jagatsinghpur (Odisha)
Tel.: (06722) 222034

Sub: Design, Supply, Installation, Testing & Commissioning of One (01) no. of column type Telescopic Gangway at north oil Jetty along with Comprehensive Operation & Maintenance for a period of Five Years – reg.

Sir,

Having examined the details given in the Budgetary Offer and document for the above project, I/we hereby submit our Budgetary Offer and the relevant information.

1. I/We hereby certify that all the statements made and information supplied in the enclosed forms 'A', 'B' & 'C' and accompanying statements are true and correct.
2. I/We have furnished all information and details necessary for Budgetary Offer and have no further pertinent information to supply.
3. I/We also authorize Paradip Port Authority or their authorized representatives to approach individuals, employers and firms to verify our competence and general reputation.
4. I/We submit the following certificates in support of our suitability, technical knowhow and capability for successfully implementing the project.

Signature(s) of Applicant(s)

Enclosures

Seal of applicant

Date of submission

FORM – ‘A’**Organizational Structure of Applicant**

1	Name & Address of the applicant with Telephone No./ email	
2	a) Year of Establishment b) Date of commencement of operations	
3	Legal status of the applicant (attach copies of original document defining the legal status) a) Proprietorship firm b) Partnership firm c) limited company or Corporation/ Joint venture/ Consortia d) Others (Please specify)	
4	Names of Directors & other executives involved in this project with designation and contact information.	
5	Applicant's annual turnover in the last three financial years in Indian Rupees.	
6	Brief write up about Applicant's business during last three financial years	
7	Any other information considered necessary but not included above	

We have attached:-

1. Copies of last three years Annual Audit Reports or Auditor's certificate.
2. Brochures if available, of the Applicant

Signature

Designation

FORM – ‘B’

Details of similar projects undertaken by Applicant in the last five years in India

Name	
Role and Responsibility in the project	
Location	
Description	
Time for which the project has been successfully in operation.	
Indicative Project cost in Indian Rupees	
Any other information considered necessary but not included above	

Signature

Designation

Note: Please use separate sheet for each Project.

FORM – ‘C’

Suggestions and views of Applicant

Brief details of the system proposed	
Land area requirements if any	
Indicative investment for the proposed scheme in Indian Rupees	
Assistance required from Paradip Port Authority	
Suggestions or views (Please attach additional sheet).	

Applicant may add any other detail considered to be important

Kindly attach a conceptual plan.

Signature

Designation

BILL OF QUANTITY

Name of the Work: Design, Supply, Installation, Testing & Commissioning of One (01) no. of column type Telescopic Gangway at north oil Jetty along with Comprehensive Operation & Maintenance for a period of Five Years.

Sl. No.	Item Description	Qty.	Unit	Rate (In Rs.)	Amount (In Rs.)
01	Design, Drawing and Documentation for Column Type telescopic gangway at North Oil Jetty as per scope of work.	01	LS		
02	Supply of Goods for Column Type telescopic gangway at North Oil Jetty as per scope of work.	01	LS		
03	Installation, testing & commissioning of Column Type telescopic gangway at North Oil Jetty, including all civil grouting works, anchor bolts base plates, washers and nuts, all electrical works, control system, including manpower cost, as detailed in scope of work.	01	LS		
04	Comprehensive Operation & Maintenance of Column Type telescopic gangway at North Oil Jetty for a period of Five Years.	60	Month		
Total Amount (In Rs.)					

In words (Rupees_____).

N.B.: 1. We hereby confirm that the above quoted price is the landed price of all the goods and services at Paradip Port Authority excluding Goods and Service Tax (GST).

2. We hereby confirm that the final price quoted towards Design, Supply, Installation, Testing & Commissioning (DSITC) of the new column type gangway after taking into consideration of dismantling the existing lattice type telescopic gangway at our own cost and revenue earned towards disposal of the existing lattice type telescopic gangway.

Signature of the firm

Date:

Technical Parameters Of Existing Telescopic Gangway:

a) General:

- ♣ Total height of the telescopic gangway : 24.3m
- ♣ Total weight : 31MT
- ♣ Working range : Above jetty face 18m, below jetty face 1m
- ♣ Design load of GA : The hanging ladder is limited to 6 people (Uniform total load: 600 Kg);
- ♣ Lift device : lifting length 17m, lifting speeding 4m/min.
- ♣ The breadth of hanging ladder : ≥ 600 mm;
- ♣ Pitching device : Pitching angle range: $-30^{\circ} \sim 25^{\circ}$
- ♣ Rotating device : Slewing angle range $\pm 90^{\circ}$

b) Hydraulic systems:

- ♣ Motor power : 4kw
- ♣ Oil pump working pressure : 16 Mpa

c) Main ladder pitching mechanism:

- ♣ Classification group : M4
- ♣ Pitching angle : $-30^{\circ} \sim 25^{\circ}$
- ♣ Type : double oil cylinders amplitude modulation

d) Rotating mechanism:

- ♣ Classification group : M4
- ♣ Rotating speed : 0.27 r/min
- ♣ Rotating angle : $-90^{\circ} \sim +90^{\circ}$

e) Telescopic ladder position adjustment mechanisms:

- ♣ Type : Single oil cylinder position adjustment
- ♣ Adjusting length : 0 ~2.4m

f) Electric system:

- ♣ Anti-explosive grade : EXd IIB T4
- ♣ Protect grade : IP65
- ♣ Voltage range : 3P 415V 50Hz
- ♣ Insulation class : F

g) Motor Assembly & Electrical Panel:

The motor assembly & Electrical Panels have the following specifications:

- ♣ Operating voltage : 415V/3PH/50c/s, 220V/1PH/50c/s
- ♣ Protection : IP 65
- ♣ Insulation class : F
- ♣ Heater : Yes
- ♣ Rated Working Time (approx.) : 1 Hour

ANNEXURE - II

