PARADIP PORT AUTHORITY

Odisha, India

Tel.: (06722) 222034 / 222033/222078 / 222075

INVITATION FOR

EXPRESSION OF INTEREST&

BUDGETARY OFFER

FOR

"Design, Engineering, Supply, Installation, Testing & Commissioning of Cable Management Systemfor the Shore to Ship Power Supply facility at Coal Berth I & Coal Berth II of Paradip Port"

Submission on or before: 29/10/2025.

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"Design, Engineering, Supply, Installation, Testing & Commissioning of Cable Management Systemfor the Shore to Ship Power Supply facility at Coal Berth I & Coal Berth II of Paradip Port".

(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

REQUEST FOR BUDGETARY OFFER

(A) GENERAL INFORMATIONS:

Sl. No.	Item	Details
1.	Name of Work	Design, Engineering, Supply, Installation, Testing & Commissioning of Cable Management Systemfor the Shore to Ship Power Supply facility at Coal Berth I & Coal Berth II of Paradip Port.
2.	Department / Organization	ELECTRICAL & MECHANICAL DEPARTMENT / PARADIP PORT AUTHORITY
3.	Executing Division	Port Electrical Division.
4	Officer Inviting the Offer	Executive Engineer (E)
5.	Immediate Next Authority	Superintending Engineer
6.	Sanctioning Authority	Dy. Chairman, PPA
7.	Executing Authority	Executive Engineer (E), PED-I

(B) OTHER INFORMATIONS:

Sl. No.	Item	Date	Time
1	Publication date	08/10/2025	17:00Hrs.
2.a)	Document download start date	08/10/2025	17:00Hrs.
b)	Document download end date	29/10/2025	15:00 Hrs.
3.a)	Start date for seeking Clarification on-line	-	-
b)	Last date for seeking Clarification on-line	-	-
4.	Date of uploading response to Clarifications sought	-	-
5.	Offer Submission end date	29/10/2025	15:00Hrs.
6.	Currency of Offer	Indian Rupee	
7.	Language of Offer	English	

SCOPE OFWORK

"Design, Engineering, Supply, Installation, Testing & Commissioning of Cable Management Systemfor the Shore to Ship Power Supply facility at Coal Berth I & Coal Berth II of Paradip Port".

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1. General :

Paradip Port Authority has already installed& commissioned 02 nos. of 1000 KVA capacity Static Frequency Converter (SFC) at its Coal Berth No.1 & 2 for on-board power supply to vessels .The parameters of the shore power supply are given below.

- Peak Power Demand – the peak power requirement of vessels calling at Coal Berths(i.e., CB-I & CB-II) is about 850 kW and the sustained load (average load) of vessels at berth is around 700 kW.
- System Voltage - The operating voltage of the auxiliary load in the vessel is 440V.
- System Frequency - The frequency of auxiliary load in the vessel is 60 Hz or 50Hz (depending upon the frequency of auxiliary generator of vessel)
- Power Factor - The power factor maintained at vessel is 0.85.

Now, Paradip Port Authority (PPA) invites Expression of Interest (EOI) and budgetary offers from system integrators to design &establish the Cable Management System (CMS) for shore- to- ship power supply facility i.e. to enable connection of cables between shore switchboard and ship receiving switchboard**on turnkey basis**.

2. Standards:

2.1 Reference International Standards

- **IEC 80005-3**: Utility connections in port – Part 3: Low Voltage Shore Connection (LVSC) Systems – General requirements. It is applicable to the design, installation and testing of **LVSC s**ystems and addresses: LV shore distribution systems, shore-to-ship connection and interface equipment, transformers/ reactors, semiconductor/ rotating frequency converters, ship distribution systems, and protection, control, monitoring, interlocking and power management systems
- Complementary regulations - IEC 60309-5: Plugs, Socket-Outlets & Connector Systems for LV Shore Connections.Provides guidelines for the use of plugs, socket outlets and couplers in Industrial settings, adapted for marine environments where electrical safety is paramount.

3. Scope of CMC:

The Cable Management system shall be of fixed tower mounted **Jib Crane** type, basically made up of following major components.

3.1 Cable:

The cable shall act as conduit for electrical power and communication. It shall be specifically designed for reeling purposes, having exceptional flexibility and high tensile strength. A special sheathing compound shall provide high resistance to the harsh marine environment.

3.2 Column:

The column shall be built in carbon steel painted with C5-M specification paints for marine environment. The column supports the rotating arm and the cable will be fixed to it so that the arm shall be able to rotate freely from 0° to 180° or less as per site requirement. The column / arm will be supplied in more than one piece (to be assembled on site) in order to permit an easier transportation, manufacturing and installation as well.

3.3 Rotating Arm:

The arm can rotate at the top of the column on a slew bearing; mechanical stops shall not allow the arm to rotate more than +180° from the parking position. At the two sides of the arm (front and middle back) the cable position sensing device shall be fixed and along the ship side part the dispenser shall be mounted.

Along the arm to support the flexible power cable and to avoid the cable friction during the pay-out and recovering operation, rollers shall be mounted. The rotation of the arm is guaranteed by amotorized gearbox and a brake on the motor to keep the arm stopped when it is positioned and for emergency stop requirement.

3.4 Cable Position Sensing Devices:

The cable position sensing devices shall be installed on the front/back leading edges of the rotating arm, consist in a level and mechanical limit switches activated by the level movement. The front cable position sensing device is lifted by the front cable stopper (fixed on the flexible power cable) when the cable is completely recovered. The corresponding Limit Switch gives the signal to stop the cable recovery. The backside cable position sensing device is lifted by the back cable stopper (fixed on the flexible power cable) when the cable is completely pay-out.

3.5 Cable Dispenser:

Cable dispenser shall consist of a dragging system with belt, able to pay out and recover the power cable. The rotation of the cable dispenser shall be generated by a motorized gearbox (driven from frequency converter for smooth acceleration and speed adjustment), which shall permit a pay-out speed of **approx. 10 meter**/ min (settable). The belts should be differentiated on top and bottom side in order to optimize grip on the cable in different conditions. A brake installed on the motor will keep the cable in position as required.

3.6 Control Panel:

The control panel shall allow the function of Cable Management System – Tower arrangement (cable pay-out and recover and left and right arm rotation) through a remote control. To the control box following cables from the shore shall be connected:

- Auxiliary power cable for the CMS motors and heater
- Feedback signal to the shore (including the alarm signal if required)

On the control box a flashing light and buzzer shall be placed to indicate the different status of the system.

3.7Remote Operation:

The cable management system shall have a robust push button Radio Remote Control (RRC) suitable for industrial use with IP66 rating. RRC must be equipped with a full size emergency stop button for safety functionality. RRC to have automatic radio frequency selection with a unique signal encoding to prevent any unintended operations. Battery life of RRC to be at least 24 hours of continuous operation.

Considering the space availability, movement restrictions and Port's requirement of not depending on ship's on-board crane facilities, the proposed Tower should withstand maximum wind speed of 200 km/hr. in standby mode. Accordingly, the EPC Contractor should design a tailormade arrangement of Cable Management System.

3.8Electrical load transfer:

Load transfer between operation using ship sources of electrical power and shore power supply can be provided via blackout or synchronization between the two sources.

In case of load transfer via blackout, the shore supply can only be connected to a dead switchboard. Second option is automatically synchronizing a ship source of electrical power with an external electrical power supply and connect them in parallel for load transfer. For coal berth, the first option is recommended. The transfer time limit is to be minimum. The basic scheme / design is prepared for transfer of load to shore power in short time by providing one power unit for each berth to meet easy connection. The final design selection / approval should have a lower time limit.

4. Detailed Design and Engineering of CMS:

i. The Contractor shall prepare detailed design calculations of cable management system, Jib crane arrangement etc.
ii. The Contractor shall also prepare detail drawings for Cable Dispenser of Shore Power Supply, cable schedule, interconnection schedule with Shore Power Panel.
iii. Preparation of foundation drawings and structural design analysis&STADD analysisetc. for erection/ installation of CMS equipment.
iv. Preparation of inspection plan and schedule
v. Procurement & Supply
vi. Preparation of schedule for site erection, testing and commissioning

5. Design criteria:

5.1 Design of Steel Structural Platform for mounting of **Jib Crane** type cable handling system / Cable Management System (CMS) mounting.

5.2Mounting of Shore Panel on existing Pile cap of CB-I & CB-II berths of Paradip Port Authority. The Design payload is 10T estimated and the foundation for the CMS is upto the jetty /road level. The foundation design shall take into account the dead weight, lifting

load, wind speed suitability of ~ **56m/s** of the structure and seismic zone 3 and validate the design with STAAD & Structural analysis.

5.3 As part of the CMS structure design – the Reaction forces shall be furnished for confirming the design of the required foundation.

5.4Modifications in the existing ACB Panel supplied for CB-I & CB-II located inside e-House. Modifications of the busbar for cable termination and removal of existing protection breakers for individual flexible cable.

5.5 Connection of 1.1kV Power Cable from the ACB panel inside e-House to the Shore Power Panel on the Wharf for supplying the 60Hz Main supply for both CB-I & CB-II respectively.

5.6 Providing Shore Power Panel for each Coal Berth CB-I & CB-II. This Shore Power Panel shall comprise of Protection breakers individually for each flexible cable run with Busbars for Terminal arrangement. This panel shall also be housing the Remote I/O units for communication with the main Automation system located inside the e-House. For the energy measurement Tri Vector Meter suitable for 60Hz shall be available. The enclosure shall be IP65 class of protection with painting suitable for C5-M marine grade. The dimension of the enclosure shall be 1200mm (L) x 800mm (W) x 2300mm (H) approximately or as per requirement. Control interfacing with the Cable Management System is also provided in the Shore Power Panel. The weight of the Shore Power panel shall be 1T approx.

5.7 The composite Flexible Copper Cable (3C x 185 Sq. mm + 3C x 35 Sq. mm + 4C x 2.5 Sq. mm) and Cable Plugs available with PPA can be used for the CMS system and shall be free issued from PPA to the Contractor.

6. Generalarrangement and cable monitoring :

The cable management system shall:

(i) be located according to the ship annexes;
(ii) be capable of moving the Shore to-ship connection cable, enabling the cable to reach the socket-outlet-cum the ship inlet;
(iii) be capable of maintaining an optimum length of cable which minimizes slack cable, and prevents the tension limits from being exceeded;
(iv) be equipped with a device (e.g. limit switches), independent of its control system, to monitor maximum cable tension and deployed cable length.
(v) address the risk of submersion by prevention or by the equipment design;
(vi) be positioned to prevent interference with ship berthing and mooring systems, including the systems of ships that do not connect to shore power while berthed at the facility;
(vii) maintain the bending radius of cables above the minimum bending radius recommended by the manufacturer during deployment, in steady state operation and when stowed;
(viii) be capable of supporting the cables over the entire range of ship draughts and tidal ranges;

7. **Monitoring of Cable Tension and Length :**

(i) The cable management system shall not permit the cable tension to exceed the permitted design value.

(ii) means to detect maximum cable tension shall be provided, or where an active cable management system that limits cable tension is provided,

(iii) The cable management system is to be arranged to provide an adequate movement compensation (due to ship movement, tidal changes etc.) and to maintain optimum length of cable which avoids slack cable or exceeding of tension limits.

(iv) Where the cable length may vary, the remaining cable length shall be monitored and threshold limits are to be arranged in two stages:

Stage 1: alarm

Stage 2: activation of emergency shutdown facilities.

(v) Consideration may be given to equivalent alternative measures (automatic break-away release, connectors with shear bolts and pilot lines, connection with ship/shore emergency shutdown system, etc.).

(vi) Cables are to be equipped with warning notice to highlight the presence of voltage level, moving parts, obstacles, risks of fall, etc.

8. **<u>Environment Considerations:</u>**

(i) The cable management system shall be designed to withstand an operational wind speed of 20 m/s and maximum wind speed of 200 km/hr. (Standby mode).

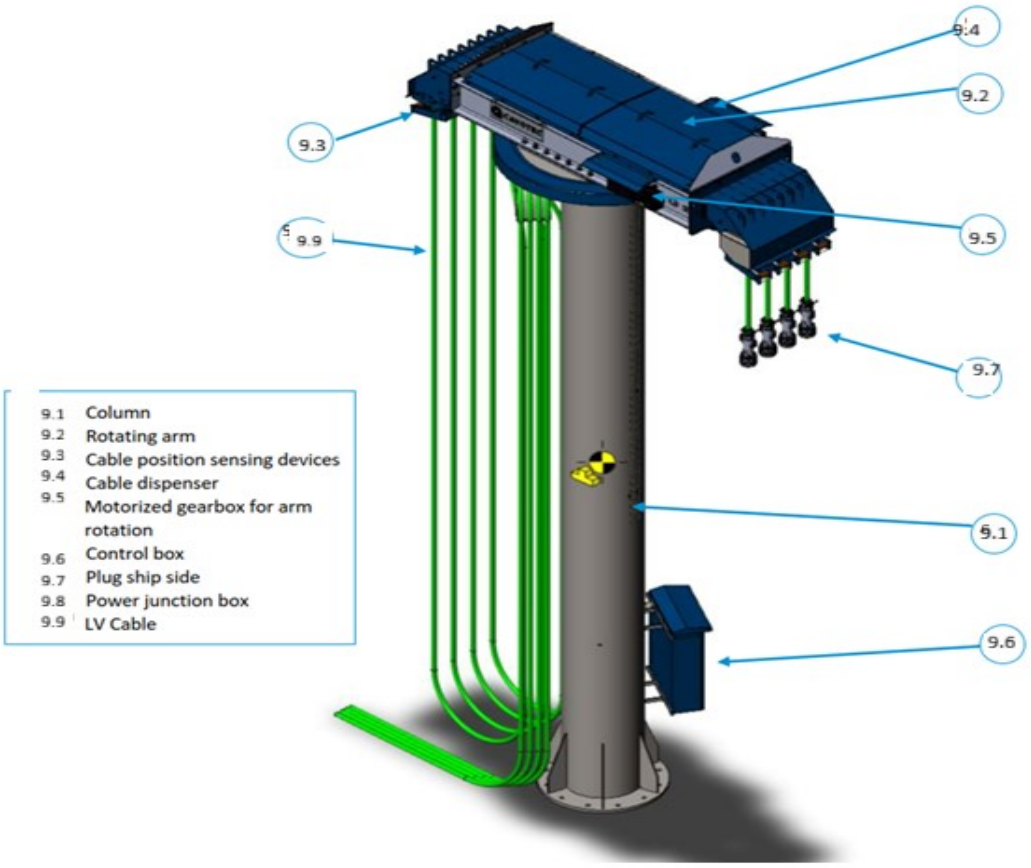
(ii) The cable management system shall be designed to operate at an ambient temperature of 0 degC to +45 degC.

(iii) The cable management system shall include protection cages around the cables to prevent cables swaying during high winds.

(iv) The cable management system shall have a paint specification in accordance to ISO 12944-5, suitable for highly corrosive marine environment.

9. **<u>Cable Dispenser System:</u>**

The Cable Dispenser System to be installed on the quay to permit the electrical connection of the vessel at **440 V**. An **indicative image** of the Cable Dispenser System is shown below. Please note that <u>4 runsof cable</u>need to be deployed in the CMS system.


9.1 Column
9.2 Rotating arm
9.3 Cable position sensing devices
9.4 Cable dispenser
9.5 Motorized gearbox for arm rotation
9.6 Control box
9.7 Plug ship side
9.8 Power junction box
9.9 LV Cable
9.4
9.2
9.3
9.9
9.5
9.7
9.1
9.6

Description	Requirement	Comment
Temperature Range	0 to 45 °C	
Voltage	440 V	
Power	1000 kVA	
Total Weight of machine	10 tons approx.	Estimated. Exact weightwill be known after detailed engineering.
Height of the CMS Column	15000mm or 15m approx.	Preliminary. Shall be confirmed after detailed engineering.
Boom length	6m approx. Design will look into the requirement of a counterweight to balance the cantilever length.	Preliminary. Shall be confirmed after detailed engineering
Flexible Cable Loop	40m approx.	Preliminary. Shall be confirmed after detailed engineering
Control Options	Radio Control for Dispenser movements (Radio remote control is included in the equipment) Control buttons inside control cabinet for maintenance & emergency use	
Power Cable:	Complying to IEC 60332-1-2:2004+IEC 80005-3 (oil resistant, seawater resistant, UV resistant and water absorption resistant)	3 phases + earth + 4 pilot wires Composite Flexible Cable - 3CX185 Sqmm + 3CX35 Sqmm + 4CX2.5 Sqmm *Cables will be supplied by PPA to the Contractor]*
Main Power Plug	3 phases + earth + 4 pilot wires	Make – Cavotec / Proconect or equivalent *Cables Shall be provided by the Contractor.*
Controlling of Cables	4 run of cables separately and together	
Tidal Movement Variation	Manual – Extra cable loop	

Aux Power supply requirement from Shore for the CMS Operation - 32 Amp, 3 phase 415 V (3P+N+PE), 50Hz

10. Provision of safety devices in CMS:

10.1 Cable position sensing devices

- 02 nos. of cable sensing devices to be installed.
- To prevent complete cable run-out and run-in to indicate that the cable is pulled to its home position after the use.
- Limit switches to give out alarm if the ship movement exceeds the permitted maximum.
- To forward the alarm signals to the main system to switch off the shore power system.
- 1-st limit stop - used for scrolling in cables. If one cable is scrolled to end, limit switch stops movement of all cables. For the other cables to be scrolled in, that one cable must be rolled out little bit to free the stopper.
- For scrolling out cable, there are 2 sensors used for following:
  - End stop.
  - ESD1
  - ESD2.

10.2 Tidal Compensation

Tidal compensation is performed manually. Once the plugs are connected, enough slack will be left into the cable between cable management system and vessel to compensate for tidal condition.

10.3Safety hooks fixing the power cables

To ensure safety on the system when vessel should move lower than anticipated, cable is pulled through the system. To avoid damaging sockets and plugs during unexpected pull, cables are secured with cable sleeve, safety wire and stainless steelcarabiner. This is required even with automatic tidal compensation system.

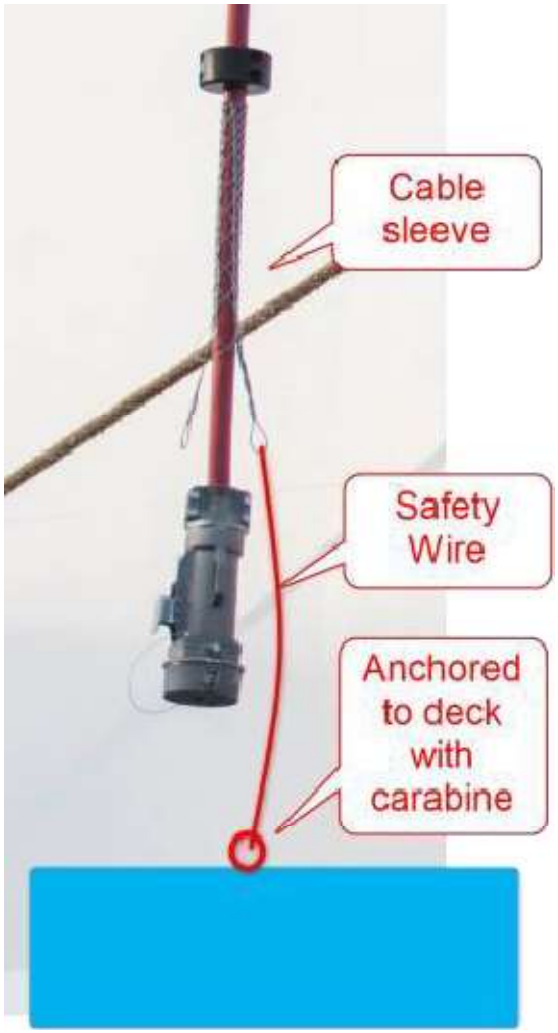


Figure 1 Safety hook up of the cable

10.4Control Cabinet:

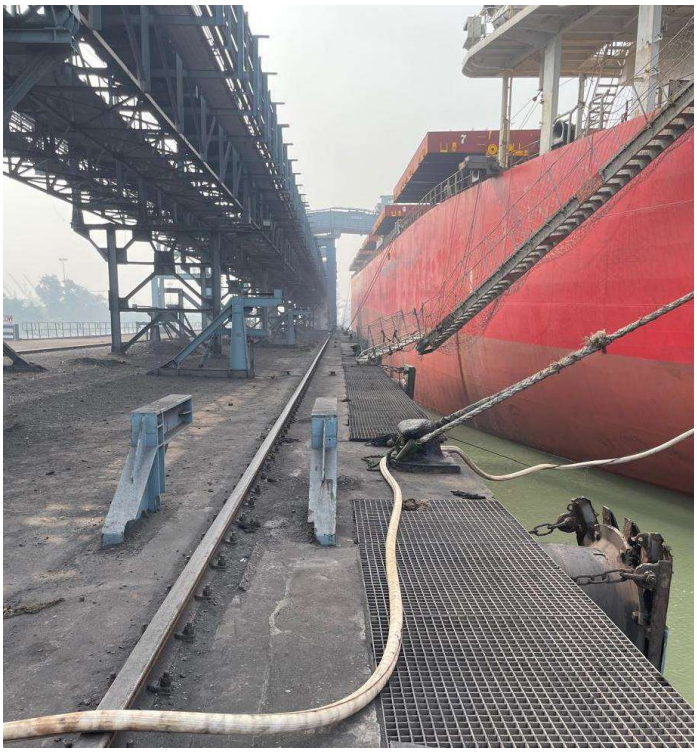
- The control cabinet allows to operate the cable dispenser system (Rotating the arm, rolling out the cable, rolling in the cable)
- Power cable and feedback signal cable (Including alarm signal If required) are connected to the control panel from the shore
- By default, control cabinet is located at the foot of the dispenser.
- 8.5Junction Box

Junction box for power cables is included. Inside junction box, there is a bus bar for connecting cables from the Shore Power Panel.

11. CONSTRUCTION OF SUITABLE FOUNDATION:

The Contractor shall make suitable foundation either in Civil or Steel Structure for each CMS systemin CB-1 & CB-2 jetty available space for installation of CMS system as per the actual site condition. Detail study is to be carried out by the Contractor for design calculation.

The actual site photograph of prospective site location for installation of above mentioned CMS system is as below.



The complete package includes the necessary modification of existing berth to make suitable foundation structure either in Civil or Steel Frame along with complete CMS system, so that Jib Crane Type Cable Handling System / Cable Management System can be installed at site, with necessary supporting design calculation for prior approval for making any modification in existing berth.

12. TECHNICAL DIMENSIONS:

i. For Design estimation the column height shall be considered as 15,000 mm and the Boom as 6,000 mm with a cable loop of 40m. However, this shall be validated during detailed engineering.

ii. 02 nos. of Wind speed protection cages for the cable protection are to be provided in design of the CMS system. These protection cages are to be mounted on the vertical column.

iii. The Cable Dispenser dimensions shown above are based on the fact that the Bulk Carriers berthing at CB1 & CB2 are of following class:

a. Panamax vessel .

b. Capesize vessel.

13. Other technical parameters (to be considered whiledesigned calculation).

i. Jetty level to conveyor height: 7.2 mtr.
ii. Jetty level to shiploader boom clearance (Lower position): 17.6 mtr.
iii. Lowest water level (Low Tide) : 1 to 1.5 mtr
iv. Highest water level (High Tide): 2.3 mtr.
v. Water level to jetty level height: 3.5 mtr.
vi. Air draft from water level: 19 mtr.
vii. Compressed Fender width: 2 to 2.1 mtr.

14. Test and inspection,Performance Tests and Final Acceptance:

14.1Factory Acceptance Test (FAT):

a) The following Tests are to be carried out as part of Factory Acceptance Test (FAT) for the CMS:
   - Visual inspection
   - Functional check
   - Radio controls
   - Local cabinet controls
   - End positions check
   - Emergency shutdown check
   - Maximum reel out of the cable check
   - Cable pull test with overload

b) The Contractor shall arrange, at their own cost, for carrying out the test/ inspection athe works of manufacturer.

c) All the tests shall be carried out in presence of 3rd Party Inspecting Agency (such as **RITES/ IR Class/ MECON/ EIL/ PDIL).**

d) The Contractor shall give a reasonable advance notice (at least 7 days) of such test or inspection and of the place and time thereof to PPA so that PPA may send their representative to witness the test.

e) The Contractor shall provide the customer with a certified report of the results of any test or inspection, along with the photographic records as required.

f) If any Plant and Equipment or any part of the Shore Power Supply Facility fails to pass any test or inspection, the Contractor shall either rectify or replace such part of the Cable Management System (CMS) and shall repeat the test or inspection upon giving a notice under the contract.

14.2**Site Acceptance Tests (SAT):**

a) The following Tests are scheduled to be performed **at site** on the CMS.

- Visual inspection
- Functional check

I. Radio controls

II. Local cabinet controls

- End positions check
- Emergency shutdown check
- Maximum reel out of the cable check
- Cable pull test with overload
- Plug connection check
- Plug disconnection check
- Emergency signals check (EM Stop, ESD1, and ESD2)

b) The various equipment and systems of the Shore Power System after installation, shall be subjected to routine tests as per respective test standards agreed.

c) On installation of Cable Management System – which is a Fixed Tower arrangement, the System shall be powered and checking of all functions such as lift, rotation, end limits, etc. shall be performed and recorded in presence of 3rd Party Inspecting Agency and representative of EIC.

14.3 **Final Acceptance:**

The contractor has to demonstrate successful operation of CMS with full load of cables for satisfaction of Engineer-In- Charge.

OTHER TERMS & CONDITIONS

1. Bid Prices (Superseding Clause # 10.0 of ITB):

The Bidder shall indicate on the prescribed Bill of Quantity, the landed prices of all the goods and services at Paradip Port Authority. It must include all the taxes (except GST), duties, fees, all types of Cess, insurance, transportation, packing, forwarding and all other incidentals required for execution of the contract in all respect. Variation in taxes due to change in Govt. Regulations only shall be considered, provided such change has taken place within the period from 28 days prior to the last date of bid submission to the original completion date of the Contract. No price escalation shall be admissible for this contract.

Paradip Port Authority does not have 'C' or 'D' form facility. The Contractor may arrange way bill at his cost for inter-state transportation of all the materials required for successful execution of the work.

2. Date of Commencement and Completion of Work:

The date of commencement of the work shall be treated as 30 (Thirty) days from the date of issue of Letter of Intent. The Contractor shall complete the entire work in all respects within **120** (one hundred twenty) calendar days from the date of commencement of work.

3. Payment Terms:

The payment will be made as follows:

(i) 70% of material cost, as mentioned in the price break-up, will be paid on supply and delivery of materials at Paradip Port in good condition and verification &acceptance thereof by the Engineer In-charge (EIC) with submission of the following documents.

- Manufacturer's Warranty Certificate;
- Inspection certificate issued by the Third Party Inspection agency (TPIA)**;**
- Routine test certificates duly witnessed by theThird Party Inspection agency (TPIA);
- Material dispatch challan.

(ii) 30% of the material cost and 100% of the installation & commissioning charges, as mentioned in the price break-up, will be paid after successful commissioning of the work & acceptance thereof by the Engineer In-charge (EIC).

(iii) After successful completion of work, the contractor shall submit Performance Security Deposit (PSD) Bank Guarantee @ 10% of total contract pricetowards warranty period (i.e., Defect liability period) obligation or shall extend security deposit BGhaving validity 60 days beyond the completion of warranty period. If contractors fails to submit above BG, 10 % of the total contract value shall be retained by PPA towards warranty period. The Performance Security Deposit shall be released after successful completion of the warranty period only.

(iv) The bill of supplier of goods/services will be paid only after filing of GSTR-1 and reflection of the same under the GSTIN of PPA in the GST portal.

4. Liquidated Damage (L.D.):

In case of delay in completing the work, liquidated damage shall be charged to the Contractor at the rate 0.5 % of the contract price for a delay of one week or part thereof subject to a maximum of 10 % of the contract price. Where the Liquidated Damage amount exceeds the maximum limit, Paradip Port Authority reserves the right to: - (i) Terminate the contract and / or (ii) Forfeit the Security Deposit (SD).

3. Warranty:

The warranty period for the entire work including supplied items is 12 (twelve) months from the date of acceptance of the work.Any spares and consumables required during the warranty period shall be supplied by the Contractor free of charges to PPA to run the system smoothly without any hindrance. PPA shall not pay any additional charges for any spares and consumables required during the warranty period.

4. Security Deposit:

A sum of 10% of accepted value of the tender shall be deposited by the successful bidder (Contractor) as Security Deposit (SD). This will be deposited initially 1% value of the contract as initial security deposit (ISD) in shape of a Bank Guarantee or Demand Draft (DD) / Banker's Cheque drawn in favour of FA&CAO, Paradip Port Authority (DD/Banker's cheque shall be payable at Paradip) within 15 days of issue of Letter of Intent (LOI). After deducting the EMD and ISD from the stipulated security deposit, the balance amount will be recovered in instalment through deduction at the rate of 10% of the value of each running account bill subject to attaining the required amount by the last running bill. In case of exemption of MED, the successful bidder has to deposit initially 3% of the contract value as ISD instead of 1% of contract value.

The Contractor may submit Bank Guarantee for the balance amount after deducting the EMD and ISD from the stipulated security deposit in which case there will be no deduction from the running bills towards security deposit.

EMD of the successful bidder may be refunded to the bidder after receiving an equivalent amount of Bank Guarantee only after issue of work order and signing of agreement.The Contractor may also submit Bank Guarantee for a sum of 10% of accepted value of tender as Security Deposit (SD) within 07 days from the issue of work order in which case (i) deposit of 1% ISD will not be required; (ii) there will be no deduction from the running bills towards security deposit; and (iii) EMD of the successful bidder will be refunded to the bidder after issue of work order and signing of agreement.

5. Bid security / EMD:

The bid security may be accepted in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Bankers Cheque or Bank Guarantee (e-BG only) from any of the Commercial Banks or online payment safeguarding the purchaser's interest in all respects.

The bid security / EMD shall remain valid for a period of 45 days beyond the bid validityperiod.

8. Signing of Contract:

(a) Within 30 days of issue of Letter of Intent (LOI), the contractor shall furnish (i) Security Deposit (i.e. Initial Security Deposit) (ii) non-judicial stamp paper and (iii) Bar chart etc. as per the Tender Conditions. Then the formal work order shall be issued and the contract agreement shall be signed.

i) The delay condonation towards submission of Security Deposit will be for a period of 15 days beyond schedule date as mentioned in Letter of Intent (LoI), at the written request of the contractor on genuine grounds acceptable to Port with an additional Security Deposit / BG of 5% over the original (as per LoI) security deposit / BG value.

ii) The above period can be further extended for another 15 days at the written request of the contractor on genuine grounds acceptable to Port with an additional security deposit/BG of 10% over the original (as per LoI) security deposit/BG value in addition to above 5%(i.e. total 15% extra).

(b) If the contractor fails to deposit the Security Deposit (i.e. Initial Security Deposit) within the extended period of 30 days after the schedule date as mention in the Letter of Intent (LOI), (i) his bid shall be summarily rejected, (ii) EMD/ Bid security shall be forfeited, (iii) the LOI shall be cancelled and (iv) the contractor shall be debarred for a period of 02 years from participating in future tender of PPA.

In case of MSME bidders, as there is no EMD, MSME Authority will be informed for necessary action at their end.

9. Performance Security Deposit against warranty:

Performance Security may be furnished in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt from a Commercial Bank, Bank Guarantee (e-BG only) from a Commercial Bank or online payment safeguarding the purchaser's interest in all respects.

The Performance Security Deposit shall remain valid for a period of 60 days beyond the completion of warranty period.

10. Bank Guarantee:

Only **e-BG** is accepted in case the contractor intents to submit Bank Guarantee against Bid Security / Security Deposit / Performance Security Deposit.

While issuing Bank Guarantee, bidder must mention receiver's details as stated below in BG and in which SFMS IFIN 760 message to be sent by issuing bank to establish the authenticity of given BG.

Favour- Paradip Port Authority
IFSC - ICIC0000776
Branch - Paradip

11. Inspection & Acceptance procedure:

The Contractor shall submit all relevant test certificate(s) of Cable Management System (CMS) along with detail specification sheet prior to supply of above system / material(s) of the system for verification of EIC & acceptance thereof.

All the materials shall be inspected by RITES prior to dispatch for delivery at Paradip Port. The inspection cost will be borne by PPA.

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 EOI & 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@paradipport.gov.in" on or before **29/10/2025 at 15:00 hrs.** Documents submitted in connection with EOI & Budgetary Offer will be the property of Paradip Port Authority.

1.5 For further details please contact "**The Executive Engineer**, Port Electrical Division-I, Paradip Port Authority, Dist.:Jagatsinghpur, Odisha, Pin-754142", Mob.9777666149, E-mail: satyabratan@paradipport.gov.in or the Chief Mechanical Engineer, Paradip Port Authority, E-mail: cme@paradipport.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. LETTER OF INTEREST:

The applicant should submit the Letter of Interest (LOI) attached with the 'EOI-cum-Budgetary Offer' document (section-III).

5. DISCLAIMER:

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

- This document does not constitute any contract or agreement of any kind whatsoever.

- This document 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.

6. After assessing the response to this EOI & 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, Engineering, Supply, Installation, Testing & Commissioning of Cable Management Systemfor the Shore to Ship Power Supply facility at Coal Berth I & Coal Berth II of Paradip Port.

Sir,

Having examined the details given in EOI Notice and EOI document for the above project, I/we hereby submit our Expression of Interest & 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 EOI & 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

ANNEXURE-I

BILL OF QUANTITY

Name of Work: Design, Engineering, Supply, Installation, Testing & Commissioning of Cable Management System for the Shore to Ship Power Supply facility at Coal Berth I & Coal Berth II of Paradip Port.

Sl. No.	Description	Unit	Qty.	Rate (in Rs.)	Amount (in Rs.)	Remarks
1.	**Design, Engineering, Supply, Installation, Testing & Commissioning of Cable Management System for the Shore to Ship Power Supply facility at Coal Berth (Coal Berth I / Coal Berth II) of Paradip Port.**	No.	02			
TOTAL:						

Note:

1. **The contractor shall quote the price which inclusive of all taxes, duties, cess etc. and all other incidentals like transport, insurance etc. However, GST will be paid extra.**
2. **The contractor shall submit breakup price schedule against supply items/ materials and installation & commissioning of the system.**

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

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

Shutdown period (with detail justification)	
Assistance required from Paradip Port Authority	
Suggestions or views (Please attach additional sheet).	

Applicant may add any other detail considered to be important

Signature

Designation

ANNEXURE-II

BANK GUARANTEE FORMAT FOR EARNEST MONEY DEPOSIT (EMD)

Ref: Name of the Work: _____.

TCN No.: _____ Date: _____.

WHEREAS_____ (herein after called "the Bidder") has/have submitted his/their bid dated _____for_____ (hereinafter called the "the Bid").

KNOWN ALL MEN by these presents that we_____of _____ having our registered office at _____ (hereinafter called "the Bank") are bound onto Paradip Port Authority (hereinafter called Paradip Port Authority) in the sum of Rs. _____(Rupees _____) only, for which payment will and truly to be made to the said purchaser, the Bank binds itself, its successors and assigns, by these presents. Sealed with the Common Seal of the Bank this _____day of_____20_____.

THE CONDITIONS under which the EMD shall be forfeited are as under:

1. If the Bidder withdraws its Bid during the period of bid validity specified by the Bidder on the Bid Form, after bid opening or
2. If the Bidder submits fraudulent documents and / or wrong information in support of it's eligibility / qualification or violates any instructions to bidders
3. If the Bidder, having been notified of the acceptance of its bid by Paradip Port Authority during the period of bid validity,

a) fails to sign the Agreement or

b) fails to submit the required initial security deposit and/or does not agree to carry out the work as per the tender conditions.

We undertake to pay to Paradip Port Authority the above amount, according to and upon receipt of their first written demand, without Paradip Port Authority having to substantiate their demand, provided that in their demand Paradip Port Authority will note that the amount claimed by them is due to them owing to the occurrence of any one or all of the above-stated conditions, specifying the occurred condition or conditions.

This Bank Guarantee shall be payable on submission of a request letter for revocation at _____Branch with code no_____at Paradip in case there is a branch at Paradip and in case there is no branch at Paradip, then at a branch nearest to Paradip strictly following the guidelines issued by RBI from time to time.(The detailed postal address of the branch of the bank where the BG can be encashed is to be mentioned.)

THIS GUARANTEE will remain in force up to and including Dt. _____and any demand in respect thereof should reach the Bank not later than such date.

The above reference (TCN No.) must be used for all correspondences on this Bank Guarantee.

(Name of the Bank)

By_____

Title

Authorized Representative

(Signature of witness)

Name & Address of witness