



PARADIP PORT TRUST
INVITATION OF BUDGETARY OFFER
FOR

REPLACEMENT OF EXISTING CABLE TRAYS WITH FRP CABLE TRAYS, FEEDER PILLAR WITH FLAMEPROOF STAINLESS STEEL FEEDER PILLAR AT OIL JETTY.

SUBMISSION ON OR BEFORE DT.16/01/2018.

THE EXECUTIVE ENGINEER (ELECT.)
PORT ELECTRICAL DIVISION – I
PARADIP PORT TRUST,
PARADIP, JAGATSINGHPUR,
ODISHA – 754142
Contact No. 98612-44414
Email Id: skbhoippt@gmail.com

REQUEST FOR BUDGETARY OFFER

(A) GENERAL INFORMATIONS:

Sl. No.	Item	Details
1.	Name of Work	Replacement of existing cable trays with FRP cable trays, feeder pillar with flame proof Stainless Steel feeder pillar at Oil Jetty.
2.	Department / Organization	ELECTRICAL & MECHANICAL DEPARTMENT / PARADIP PORT TRUST
3.	Executive Division	Port Electrical Division.
4.	Officer Inviting the Offer	Executive Engineer
5.	Immediate Next Authority	Superintending Engineer
6.	Sanctioning Authority	Dy. Chairman, PPT
7.	Executing Authority	Executive Engineer

(B) OTHER INFORMATIONS:

Sl. No.	Item	Date	Time
1	Publication date	06/01/2018	13:00 Hrs.
2.a)	Document download start date	06/01/2018	13:00 Hrs.
b)	Document download end date	16/01/2018	17:00 Hrs.
3.a)	Start date for seeking Clarification on-line	06/01/2018	13:00 Hrs.
b)	Last date for seeking Clarification on-line	10/01/2018	17:00 Hrs.
4.	Date of uploading response to Clarifications sought	12/01/2018	17:00 Hrs.
5.	Offer Submission end date	16/01/2018	17:00 Hrs.
6.	Offer Validity period	120 days	
7.	Currency of Offer	Indian Rupee	
8.	Language of Offer	English	

Budgetary offer for the work: Replacement of existing cable trays with FRP cable trays, feeder pillar with flame proof Stainless Steel feeder pillar at Oil Jetty.

Scope of Work:

- 1) The Contractor shall supply FRP type cable trays, support channel, coupler plate, bend, Tee etc as per BOQ. The materials shall be of ultraviolet resistant, corrosion resistant and fire retardant type. The FRP materials as mentioned above should meet NEMA, FG- standard and the Contractor has to submit the necessary certificate copy as proof.
- 2) The Contractor shall supply all the hardware like nuts, bolts, washer etc. which shall be of stainless steel (SS-316) fully anti corrosive and marine grade for use near sea area.
- 3) The Contractor shall dismantle the old damaged cable tray keeping safe the cables by suitable arrangement temporarily till new tray is laid.
- 4) The Contractor shall execute FRP cable tray fixing work on the edge of the jetty. The cable tray is to be rested on the support channel. The support channels are to be mounted on the edge of jetty structure with stainless steel metal expansion anchor bolts. The cable tray shall be bolted or clamped with support channel.
- 5) The Contractor has to link the cable tray pieces with coupler plate, Tees and bend so as to make the FRP cable tray continuous run.
- 6) The Contractor has to lay the cables on the new FRP cable trays. Necessary clamping of cables are to be done with supply of aluminium/GI clamps, bolts, nuts etc.
- 7) The Contractor shall supply the Feeder pillar (Junction boxes) as specified in BOQ and install the same by preparing cement plinth base or fixing on the MS angle stand as per the direction of EIC. In case of MS Angle stand, the stand is to be painted with epoxy paint.
- 8) The flame proof enclosure for the feeder pillar shall be of size as mentioned in BOQ and material are of SS-316 grade and for gas group of IIA & IIB and area classification zone 1&2 and shall be intrinsically safe for fire hazards for use at Oil Jetty handling petroleum oil. The Contractor has to submit necessary flameproof certification from Govt. Laboratory or NABL accredited Laboratory.
- 9) The Contractor has to dismantle the old feeder pillar/junction boxes with disconnection of cable in safe manner. After installation of new feeder pillar, the Contractor has to make connection of cables and testing to be done.
- 10) The Contractor has to supply the GI sheet cover making required shape in accordance with size of cable tray and fixed the same over the cable tray. Necessary hooks should be provided for lifting of sheet cover. The cover plates are to be clamped with the cable tray by bolts and nuts. All clamps, hooks, bolt, nut and other consumable hardware shall be of anticorrosive material and to be provided by the Contractor.

Other Commercial Conditions:

a) Payment Terms:

The payment will be made as follows:

- i) 70% of material cost 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). However, the Contractor must ensure that the materials are delivered to site in time with the progress of site activities at par to the approved BAR chart failing which payment shall not be released.
- ii) 20% of material cost and 90% of installation and commissioning charges will be paid after successful installation, commissioning & acceptance thereof by the Engineer-In-charge (EIC).
- iii) Balance 10% of the total contract value shall be retained by PPT towards Performance Security Deposit. The Performance Security Deposit shall be released after successful completion of the warranty period only. The Contractor may furnish a Bank Guarantee of equal value valid till one month after expiry of the warranty period in which case the balance 10% money will be released for payment.

b) 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 Trust (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 EMD, 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 15 days of issue of Letter of Intent (LOI) 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.

The security deposits shall be returned to the Contractor within 45 days of successful execution and acceptance of the work. The BG shall be valid till 45 days after the scheduled date of completion of the work.

c) **Execution Period:**

The commencement date of the work shall be 15 days from the date of issue of Work Order and completion date shall be 04 months from the date of commencement.

d) **Warranty:**

The warranty period shall be valid up to 01 (One) year on the entire work inclusive of the supply items with effective from date of acceptance of the work.

- The Contractor shall warrant the Board that the goods and services under this contract will comply strictly with the contract, shall be first class in every particular case and, shall be free from defects. The Contractor shall further warrant the Board that all materials, equipment and the supplies furnished by him/her will be new and fit for their intended purposes.
- The Board shall promptly notify the Contractor in writing of any claim arising under this Warranty. Upon receipt of such notice, the Contractor shall promptly repair or replace the defective goods and/or services at no cost to the Board.
- If the Contractor, having been notified, fails to remedy the defects in accordance with the contract, the Board may proceed to take such remedial action as may be necessary, at the Contractor's risk and cost.

e) **Liquidated Damage (LD) :**

a) Unless otherwise specified, in case of delay in completing the work, liquidated damage shall be charged to the Contractor at the rate 0.25% of the contract price for a delay of one week or part thereof subject to a maximum of 5% of the contract price if the original execution period is 90 days or more. Where the original execution period is less than 90 days, liquidated damage shall be charged to the Contractor at the rate of 0.1% of the contract price for a delay of one day or part thereof subject to a maximum of 5% of the contract value. Where the Liquidated Damage amount exceeds the maximum limit, Paradip Port Trust reserves the right to :-

i) Terminate the contract and / or ii) Forfeit the Initial Security Deposit (ISD).

b) In case of "substantial completion" of a section of work and subsequent taking over by the purchaser within the scheduled date of completion, the liquidated damage shall be levied on the cost of balance portion of the works which are completed after the scheduled date. "Substantial Completion" of a section shall mean that the section has been completed, passed the tests, if any, to meet its intended purpose and can be used by the purchaser for that purpose.

BILL OF QUANTITY

Sub.: Replacement of existing cable trays with FRP cable trays, feeder pillar with flame proof Stainless Steel feeder pillar at Oil Jetty.

Sl. No.	Description of Work	Qty.	Unit	Rate (in Rs.)	Amount (in Rs.)	Remarks
(A) SUPPLY PART						
1	Supply of fibre reinforced plastic (FRP) cable trays of size 300 mm (W) x 100 mm (H) x 6 mm (T) having RUNG spacing 300 mm.	450	Mtrs.			
2	Supply of fibre reinforced plastic support channel of size 100 mm (W) x 30 mm (H) x 6 mm (T).	350	Nos.			
3	Supply of fibre reinforced plastic coupler plate with Stainless Steel Nuts, Bolts & washers (SS-316) for cable trays.	300	Nos.			
4	Supply of M10 x 110, 50/30 stainless steel metal expansion Safety stud anchor.	700	Nos.			
5	Supply of fibre reinforced plastic Horizontal 90 degree Bend of 300mm radius suitable for tray size of 300 mm (W) x 100 mm (H) x 6 mm (T).	10	Nos.			
6	Supply of fibre reinforced plastic Vertical inside/Outside 90 degree Bend of 300mm radius suitable for tray size of 300 mm (W) x 100 mm (H) x 6 mm (T).	10	Nos.			
7	Supply of Equal Tee for 300mm (W) suitable for tray size of 300 mm (W) x 100 mm (H) x 6 mm (T).	10	Nos.			
8	Supply of Concentric Reducer 300 mm radius suitable for tray size of 300 mm (W) x 100 mm (H) x 6 mm (T).	10	Nos.			
9	Supply of 2 mm thickness GI sheet cover for cable tray size of 300 mm (W) x 100 mm (H) x 6 mm (T).	450	Mtrs.			

Sl. No.	Description of Work	Qty.	Unit	Rate (in Rs.)	Amount (in Rs.)	Remarks
10	Supply of Flame proof enclosure Feeder pillar made of 12 mm thick Stainless Steel (SS-316) of size: 770 (H) x 520 (W) x 240 (D) with inbuilt 32Amps MCB-10 nos., 63 TP MCCB-03Nos with arrangement of copper bus bar, indicating LED lamps, 04way stud terminal 20 nos. bottom cable entry ¾” ET-09, 1 ½” ET-03 with cable gland.	1	No.			
11	Supply of Flame proof enclosure Feeder pillar made of 12 mm thick Stainless Steel (SS-316) of size: 480 (H) x 480(W) x 240 (D) with inbuilt 125 Amps. TP MCCB-01 No., 63 TP MCCB-03 nos., with arrangement of copper bus bars, indicating LED lamps,04ways stud terminal 20 nos. internal wiring bottom cable entry 2” ET-03, 1 ½” ET-03 with cable gland.	2	Nos.			
12	Supply of Stainless Steel (SS-316) Flame proof enclosure Feeder pillar of size: 770 (H) x 520 (W) x 240 (D) with inbuilt 250Amps TP MCCB-01 No., 125 Amp. TP MCCB-03Noswith arrangement of copper bus bars, indicating LED lamps,04ways stud terminal 20nos,bottom cable entry 2 ½” ET-01, 2” ET-03 with cable gland.	1	No.			
				TOTAL (A):		
<u>(B) INSTALLATION & COMMISSIONING PART:</u>						
13	Dismantling of old GI cable trays & existing channel support as per scope of work.	450	Mtrs.			
14	Fixing of stainless steel metal expansion safety stud anchor to the concrete structure of Jetty for fixing of supporting channel as per scope of work.	700	Nos.			
15	Fixing of FRP supporting channel as per scope of work.	350	Nos.			
16	Fixing of FRP ladder type cable trays on the supporting channel as per scope of work.	450	Mtrs.			

Sl. No.	Description of Work	Qty.	Unit	Rate (in Rs.)	Amount (in Rs.)	Remarks
17	Linking of the FRP cable trays with fibre glass coupler plate as per scope of work.	300	Nos.			
18	Laying of cables on new FRP cable tray as per scope of work.	450	Mtrs.			
19	Fixing of GI sheet cover for the cable tray with supply of clamps, bolts, nuts etc as per scope of work.	450	Mtrs.			
20	Installation of the Stainless Steel (SS-316) Flame proof enclosure feeder pillar junction Boxes (JB) with making of plinth base including connection of incoming and outgoing cables as per scope of work.	4	Nos.			
TOTAL (B):						
GRAND TOTAL (A + B):						

NOTE:-

- GST percentage to be mentioned extra against each item.
- Any query in this regard may be raised to the following email id prior to dt.10/01/2018 up to 17:00 hrs, which will be clarified by dt.12/01/2018 by uploading in the website for facilitating submission of a competitive budgetary offer.
- Budgetary offers shall be submitted through email or by Registered Post in the address mentioned below:

Executive Engineer (Elect),
Port Electrical Division - I,
Paradip Port Trust.
PO: - Paradip,
Dist: - Jagatsighpur
Odisha – 754142
Contact No. 98612-44414
Email Id: skbhoipt@gmail.com