



PARADIP PORT TRUST

BUDGETARY OFFER

FOR

Supply, Installation & Commissioning of Hot Dip Galvanized
Lattice Transit Towers for Night Navigation.

SUBMISSION ON OR BEFORE Dt.23/07/2018

THE EXECUTIVE ENGINEER (ELECT.)

PORT ELECTRICAL DIVISION – III,

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	Supply, Installation & Commissioning of Hot Dip Galvanized Lattice Transit Towers for Night Navigation.
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	02/07/2018	13:00 Hrs.
2.a)	Document download start date	02/07/2018	13:00 Hrs.
b)	Document download end date	23/07/2018	17:00 Hrs.
3.a)	Start date for seeking Clarification on-line	02/07/2018	13:00 Hrs.
b)	Last date for seeking Clarification on-line	18/07/2018	17:00 Hrs.
4.	Date of uploading response to Clarifications sought	20/07/2018	17:00 Hrs.
5.	Offer Submission end date	23/07/2018	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 “Supply, Installation & Commissioning of Hot Dip Galvanized Lattice Transit Towers for Night Navigation”.

SCOPE OF WORK

- 1) The Contractor may inspect the site and assess the exact nature of the work.
- 2) The Contractor shall design and manufacture 8 nos. of lattice type steel night navigation towers of height 60 mtr., 50 mtr., 30 mtr., 25 mtr., 20 mtr., 15 mtr. & 10 mtr. respectively for provision of navigational aids.
- 3) The towers shall have to be designed to withstand wind speed of 250 km / Hr. The civil foundation & tower structural design shall be approved by any IIT / NIT / Govt. Engineering Collage or other organization such as EIL / RITES.
- 4) The Contractor shall prepare civil foundation as per the approved design providing reinforced concrete pile of appropriate length & dimension and RCC pile cap having required reinforcement & proportion so as to take up the load of designed height transit tower. Suitable foundation bolts shall be provided for erection of towers. All the required civil materials foundation bolts shall be supplied by the Contractor.
- 5) The towers shall be of lattice cross member and bolted type, fabricated from Marine grade M.S. angles, flats and plates conforming to IS 3039/2062 and as per the approved design. Required angles / flats / plates & other materials required for fabrication and erection of the navigational towers shall be supplied by the Contractor.
- 6) The towers shall have provision of single platform (size of 2500 x 2500 mm) at top to house the navigational equipment (i.e. solar panel, battery, navigation lights). The base plate of platform shall be of 6 mm thickness and railing of platform shall be minimum height of 1200 mm.
- 7) The towers shall have step bolt provision to make access to the top platform for installation and maintenance of navigational aids and all the cross members should be straight and free of joints.
- 8) The tower members are to be numbered for proper erection of towers and the tower members shall be jointed to each other with 8.8 grade high tension nuts and bolts.
- 9) All parts of towers (i.e. members, platforms, railing and nut & bolts, etc.) shall be hot dip galvanized. The minimum thickness for galvanization shall be of 150 microns DFT with allowable tolerances as per relevant Indian Standard Specifications. The members / towers shall be fabricated first and then hot-dip galvanized. The galvanization shall be done as per IS 2629.
- 10) The materials shall be free from surface defects such as cracks, twists, laminations, pitting etc. Defective materials shall not be used and all such materials shall be immediately removed from the site.
- 11) Gas cutting & welding shall not be allowed on the galvanized members / parts of the tower and the plates & cleats for supporting / bearing members shall have to be fitted by bolting.
- 12) The bolts shall have to be fitted in such a manner that no part of the threaded portion of the bolts remains within the thickness of the bolted parts / cross members. All the bolts shall be counter sunk type, so that its heads remains flush with the top surface of the plate.

- 13) The Contractor shall supply 08 sets of navigational aids and installed the same at the top of the night navigation towers after completion of the erection of such towers. They also remove 02 sets of night navigation aids from the existing the 10 mtr. & 15 mtr. transit tower and installed the same on the newly constructed 10 mtr. & 15 mtr. transit tower. Installation, testing & commissioning of navigational aids shall also be carried out by the Contractor.
- 14) After commissioning of new navigational towers, 02 nos. old towers (10 mtr. high-1 no. & 15 mtr. high -1 no.) shall be dismantled and old scarp materials shall be shifted to the scrap yard at central store.
- 15) Loading, un-loading and transportation charges of the materials / towers shall be borne by the Contractor.
- 16) All materials, Labour, T&P, machineries required for the work shall be in the scope of Contractor and the work shall be carried out strictly as per the direction of Engineer-in-Charge.

Other Commercial Conditions:

1) 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 parallel with the progress of site activities and approved BAR chart otherwise the payment shall not be released.
- (ii) Balance 20% of material cost and 90% of installation and commissioning charges will be paid after successful commissioning of the night navigation towers and navigational aids & 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.

2) 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.

3) Execution Period:

The execution period of the work shall be 180 days from the date of issue of LoI.

4) 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.

5) 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.

NOTE:

- 1) GST percentage to be mentioned extra against each item.
- 2) Any query in this regard may be raised to the following email id prior to dt.18/07/2018 (up to 17:00 hrs.) which will be clarified by dt.20/07/2018 by uploading in the website for facilitating submission of a competitive budgetary offer.
- 3) Budgetary offers shall be submitted to the following address (through email or by Registered Post):

Executive Engineer (Elect),
Port Electrical Division – III,
Paradip Port Trust.

PO:- Paradip,

Dist:- Jagatsighpur, Odisha – 754142

Contact No. 98612-44414, Email Id: skbhoippt@gmail.com

BILL OF QUANTITY

Sub.: Supply, Installation & Commissioning of Hot Dip Galvanized Lattice Transit Towers for Night Navigation.

Sl. No.	Description of Work	Qty.	Unit	Rate (Rs.)	Amount (Rs.)	Remarks
<u>(A) SUPPLY PART:</u>						
1	Design, manufacture, hot-dip galvanizing and supply of 10 mtr. high Steel Lattice Transit Tower with step bolt provision.	1	No.			
2	Design, manufacture, hot-dip galvanizing and supply of 15 mtr. high Steel Lattice Transit Tower with step bolt provision.	2	Nos.			
3	Design, manufacture, hot-dip galvanizing and supply of 20 mtr. high Steel Lattice Transit Tower with step bolt provision.	1	No.			
4	Design, manufacture, hot-dip galvanizing and supply of 25 mtr. high Steel Lattice Transit Tower with step bolt provision.	1	No.			
5	Design, manufacture, hot-dip galvanizing and supply of 30 mtr. high Steel Lattice Transit Tower with step bolt provision.	1	No.			
6	Design, manufacture, hot-dip galvanizing and supply of 50 mtr. High Steel Lattice Transit Tower with step bolt provision.	1	No.			
7	Design, manufacture, hot-dip galvanizing and supply of 60 mtr. High Steel Lattice Transit Tower with step bolt provision.	1	No.			
8	Supply of complete set Navigational Aids such as Navigational light Model - FA 240 = 01 No., MF Battery of 12 Volt, 100 AH = 02 Nos., Solar Panels 12 Volt = 02 Nos. FRP Battery Box - 01 No. including cost of all materials required for erection.	8	Set			
TOTAL (A):						
<u>(B) EXECUTION PART:</u>						
9	Construction of Civil foundation with bored pile of appropriate design including pile cap as require to take the load of 10 mtr. High Transit Tower.	1	No.			

Sl. No.	Description of Work	Qty.	Unit	Rate (Rs.)	Amount (Rs.)	Remarks
10	Construction of Civil foundation with bored pile of appropriate design including pile cap as require to take the load of 15 mtr. High Transit Tower.	2	Nos.			
11	Construction of Civil foundation with bored pile of appropriate design including pile cap as require to take the load of 20 mtr. High Transit Tower.	1	No.			
12	Construction of Civil foundation with bored pile of appropriate design including pile cap as require to take the load of 25 mtr. High Transit Tower.	1	No.			
13	Construction of Civil foundation with bored pile of appropriate design including pile cap as require to take the load of 30 mtr. High Transit Tower.	1	No.			
14	Construction of Civil foundation with bored pile of appropriate design including pile cap as require to take the load of 50 mtr. High Transit Tower.	1	No.			
15	Construction of Civil foundation with bored pile of appropriate design including pile cap as require to take the load of 60 mtr. High Transit Tower.	1	No.			
16	Erection and commissioning of 10 mtr. High hot-dip galvanized steel lattice transit tower with step bolt provision.	1	No.			
17	Erection and commissioning of 15 mtr. High hot-dip galvanized steel lattice transit tower with step bolt provision.	2	No.			
18	Erection and commissioning of 20 mtr. High hot-dip galvanized steel lattice transit tower with step bolt provision.	1	No.			
19	Erection and commissioning of 25 mtr. High hot-dip galvanized steel lattice transit tower with step bolt provision.	1	No.			
20	Erection and commissioning of 30 mtr. High hot-dip galvanized steel lattice transit tower with step bolt provision.	1	No.			

Sl. No.	Description of Work	Qty.	Unit	Rate (Rs.)	Amount (Rs.)	Remarks
21	Erection and commissioning of 50 mtr. High hot-dip galvanized steel lattice transit tower with step bolt provision.	1	No.			
22	Erection and commissioning of 60 mtr. High hot-dip galvanized steel lattice transit tower with step bolt provision.	1	No.			
23	Installation of Navigational Lights at the top of the Towers at proper position by rigidly fixing the components so as to avoid damage during Cyclonic weathers with supply of all material, labour, T&P, taxes, VAT, Port entry fees etc complete as directed by Engineer In-charge.	8	Set			
24	Dismantling of existing 15 mtr. High steel lattice tower.	LS				
25	Dismantling of existing 10 mtr. High steel lattice tower.	LS				
TOTAL (B):						
GRAND TOTAL (A + B):						

Note: GST shall be paid extra.