



PARADIP PORT TRUST

BUDGETARY OFFER

FOR

Replacement of conventional HPSV flood light fittings with high efficacy LED flood lights inside harbour area.

SUBMISSION ON OR BEFORE 01/03/2018

THE EXECUTIVE ENGINEER (ELECT.)

PORT ELECTRICAL DIVISION – I,

PARADIP PORT TRUST,

PARADIP, JAGATSINGHPUR,

ODISHA – 754142

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## **REQUEST FOR BUDGETARY OFFER**

### **(A) GENERAL INFORMATIONS:**

<b>Sl. No.</b>	<b>Item</b>	<b>Details</b>
1.	Name of Work	Replacement of HPSV flood light fittings with high efficacy LED flood lights on 11 nos. High Mast Towers inside harbour area.
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:**

<b>Sl. No.</b>	<b>Item</b>	<b>Date</b>	<b>Time</b>
1	Publication date	09/02/2018	16:00 Hrs.
2.a)	Document download start date	09/02/2018	16:00 Hrs.
b)	Document download end date	01/03/2018	17:00 Hrs.
3.a)	Start date for seeking Clarification on-line	09/02/2018	16:00 Hrs.
b)	Last date for seeking Clarification on-line	21/02/2018	17:00 Hrs.
4.	Date of uploading response to Clarifications sought	26/02/2018	17:00 Hrs.
5.	Offer Submission end date	01/03/2018	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 conventional HPSV flood light fittings with high efficacy LED flood lights inside harbour area”.

**Scope of Work**

- 1) Paradip Port Trust intends to replace conventional HPSV flood light fittings with high efficacy LED flood lights (300 watt) on 11 nos. High Mast Towers inside harbour area. The LED lights should have of the following specification:

**Technical Specification of LED (300 watt) flood light fitting:**

- (i) Supply voltage : 230V AC/ 50 Hz.
  - (ii) Power factor :  $\geq 0.95$ .
  - (iii) System Lumen efficacy :  $\geq 140$  Lumen / watt.
  - (iv) Beam angle : 120 degree.
  - (v) Operating voltage : 140 volt to 270 volt.
  - (vi) Colour temperature : 3000 K.
  - (vii) Operating temperature : Up to 50<sup>0</sup> C.
  - (viii) Colour rendering index :  $\geq 80$ .
  - (ix) Driver circuit : Surge protection 10 kV;
  - (x) Driver efficiency :  $\geq 90\%$  (Potted driver)
  - (xi) Degree of protection : IP-67 & above.
  - (xii) Housing material : Pressure die cast aluminium with thermal & corrosion resistant, cooling fins for effective heat dissipation.
  - (xiii) Life of the LED Lamps : At least 50,000 burning hours.
  - (xiv) Make of LED : CREE / NICHIA / LUMILEDS / OSRAM.
- 2) The LED flood lights must comply the following:
- (i) LM-80 compliant LED from the manufacturers of LED lamps.
  - (ii) LM-79 test report for Photometry from the manufacturer of LED lamps.
  - (iii) NABL/UL accredited laboratory test report for complete LED fitting.
- 3) The Contractor shall supply copper flexible cable of size 3 x 1.5 sq.mm for wiring of LED lights. The copper cables shall be from ISI certified manufacturers and ISI label shall be printed on the body of cable.
- 4) The Contractor shall remove the existing HPSV light fittings and install the new 300 watt LED flood light fittings on High Mast Towers at the identified locations in a suitable manner without affecting the illumination of the area/berth and to complete the work within the stipulated time period. The removed HPSV light fittings are to be handed over to the Engineer in Charge (EIC) without damaging the fittings.

- 5) The Contractor shall execute the wiring of LED flood lights by using 3 x 1.5 sq.mm copper flexible cable from junction box mounted on lantern carrier of High Mast to light fittings with supply of water proof connector.
- 6) The Contractor shall supply labour, T&P and other materials required for execution of the work at his own cost.
- 7) The Contractor shall plan & coordinate with Engineer-in-Charge (EIC) to execute the work smoothly without any interruption to Port Trust works. No idle charge is admissible.
- 8) The replacement guarantee period of LED flood light fittings shall be 05 years from the date of acceptance of the work. In case any defect noticed in LED flood light, the Contractor shall replace the same with new one within 07 days after receipt of information from PPT.

## **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 LED flood light fittings & 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 75 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. However, warranty period on the LED light fittings shall be 05 (Five) years and 5% of the cost of LED lights has to be furnished by the Contractor as BG towards warranty performance obligations.

- 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.

**6) Third Party Inspection:**

- (i) The test of the 300 Watt LED flood light fittings confirming to specification as mentioned in the Scope of Work must be conducted & certified by NABL accredited laboratory.
- (ii) The Contractor shall submit the NABL accredited laboratory test certificate of LED lights for acceptance of PPT prior to execution of the work.
- (iii) The fees & other expenditure of the test / inspection shall be to the Contractor's account.
- (iv) Paradip Port may witness the test of LED flood light fittings wherever necessary. The Contractor must inform PPT for witnessing the test 15 days before the schedule, so that PPT representative can attend.

## BILL OF QUANTITY

**Sub.:** Replacement of HPSV flood light fittings with high efficacy LED flood lights inside harbour area.

Sl. No.	Description of Work	Qty.	Unit	Rate (in Rs.)	Amount (in Rs.)	Remarks
1	Supply of 300 watt LED floodlight fitting with connector as per the specification enclosed.	132	No.			
2	Supply of 3 x 1.5 sq. mm copper flexible cable as per the specification enclosed (90 mtr. length of coil).	3	Coil			
3	Wiring to LED flood light fitting by using 3 x 1.5 sq. mm copper flexible cable.	132	No.			
4	Replacement of 400watt conventional HPSV flood light fitting and fixing of 300 watt LED flood light fittings.	132	No.			
<b>TOTAL:</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.21/02/2018 up to 17:00 hrs., which will be clarified by dt.26/02/2018 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: [skbhoippt@gmail.com](mailto:skbhoippt@gmail.com)