

कोलकाता पत्तन न्यास/ KOLKATA PORT TRUST  
यांत्रिक व विद्युत अभियंत्रण विभाग /Mechanical & Electrical Engineering Department  
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पत्रांक: मेक/एस. ई.-II/25/186/ 153

दिनांक: 16.01.2019

Letter no. Mech/SE -II / 25/186/ 153

Date: 16.01.2019

Dear Sirs,

**Sub:** Enquiry for Quotation for the work “Supply, Delivery, Installation & Commissioning of LED Luminaries at Container Terminal, NS Dock and Coal Berth, KPD”.

Quotation is sought for the subject work in sealed cover superscribing the subject work and Enquiry letter No. as per enclosed terms & conditions and Bill of Quantities (BOQ). Documentary evidences for PAN No., GST No., Trade license, Electrical contractor's license are to be submitted along with the quotation.

Site inspection will be held at 14.30 hrs on 18.01.2019.

Sealed offers, in duplicate, should reach this office on or before 14.30 hrs. on 24.01.2019. Quotations will be opened at 15.00 hrs. on the same date in presence of the representatives of the quotationer.

Thanking you.

Encl.: Terms & Conditions and Bill of Quantities

Yours faithfully,

(R. Kumar)  
Superintending Engineer (Elect.)-II  
For Chief Mechanical Engineer

## **TERMS & CONDITIONS**

1. **Price:** The quoted price should be exclusive of GST. GST, as applicable, will be paid extra on actual.
2. **Payment Terms:** 100% payment against installation, commissioning, testing and handing over of the entire work after satisfactory completion subject to Security Deposit clause.
3. **Validity:** The quotation must be valid for 30 days from the date of opening of the quotation.
4. **Completion time:** The work is to be completed within 45 days from the date of receipt of order letter.
5. **Liquidated Damage:** In case the work is not completed within the stipulated completion period, liquidated damage @ ½ % per week or part thereof subject to a maximum of 10% of the ordered value will be deducted from the bill.
6. **Earnest Money:** The quotationer shall submit Earnest Money of Rs. 88000.00 either in cash or through Banker's Cheque/Pay Order/Demand Draft along with their offer/quotation. Banker's Cheque/Pay Order/Demand Draft should be drawn in favour of "Kolkata Port Trust" on any Nationalized/Scheduled Bank having branch in Kolkata.
7. **Security Deposit:** 10% of the quoted value will be deducted from the bill of the successful quotationer towards Security Deposit which will be refunded without interest after successful completion of the guarantee period of one year.
8. You shall enclose certified copies of **Trade Licence, GST Certificate, PAN Certificate, Electrical Contractor's Licence**. The certificates in original shall have to be submitted when so demanded for inspection.
9. **Guarantee:** The contractor shall make good at his own expenses all defects, due to faulty design, materials and workmanship, which may develop under proper use during a period of 12 months from the date of installation and successful commissioning of the work. Should any difference of opinion arise on any of the provisions of this clause, the decision of the Engineer shall be final and binding. In default, the Trustees will be at liberty to get the repairs done by other agencies and reimbursed themselves so far as costs therefore are concerned out of the amounts lying with them as Security Deposit so far as that is practicable. If the costs of such repairs exceed the amount of Security Deposit, the Contractor shall pay the balance to the Trustees forthwith on demand.
10. **Quotation:** The quotation is to be submitted in a sealed cover super scribing the name of the work and enquiry letter no. and to be submitted by 14.30 hrs of 24.01.2019. Quotations will be opened on 15.00 hrs on 24.01.2019. Price is to be inserted against the columns, 'Rate' and 'Amount' of the Bill of Quantities. Price shall include all manner of labour, material, plant /tools and all other matters necessary for the execution of the work.
11. **Safety :** The contractor shall take adequate safety precautions for prevention of accidents at site. The Contractor shall ensure that his employees observe the statutory safety rules and regulations. Contractor personnel shall have to wear Safety Shoe, Safety Helmet and Reflective Jacket.
12. **Entry Permit :** The Contractor shall be governed by the following provisions for interfacing safety custody and proper use of Dock Permits :  
All representatives and workers of the contractor shall possess the Dock Permit issued by Dock Permit Office at the recommendation of concerned officer/ Engineer on monthly or daily basis, free of cost. A token charge per person per occasion will be levied for creation of new IDs in the permit system. A separate receipt indicating the details of the ID along with the amount charged will be issued which may be kept for future reference.

The Contractor shall ensure that any Dock Permit issued to their workmen or representative by the Permit Office are not misused by unauthorized persons for entry into the protected dock area.

It shall amount to breach of rules and regulations regarding entry into the prohibited area by the Contractor in case the Dock Permit issued at their request are found to be misused by any authority/person.

The Contractor and their defaulting employees shall be liable for legal action against them for breach of rules regarding entry into the protected area.

13. The price quoted in the quotation shall hold good and shall be binding on the quotation notwithstanding any increase in the prices of materials and labour or in the freights or levy or other charges whatsoever, the quotationer shall not be entitled to claim any increase over the rates quoted by them.
14. Evaluation will be made on the basis of total Value of quotation.
15. Acceptance or otherwise of all terms & conditions, herein stated above should be clearly mentioned on this page itself and is to be enclosed with the quotation.
16. The Trustees are not bound to accept the lowest or any tender without assigning any reason thereof.
17. **Scope of work:**
  - (a) The Scope of Work for “Supply, Delivery, Installation & Commissioning of LED Luminaries at Container Terminal, NS Dock and Coal Berth, KPD” covers the following:
    - Supply, Delivery, Installation, Termination, Testing & Commissioning of LT Cable and Flexible Industrial Cable.
    - Supply, Delivery, Installation, Testing and Commissioning of Three Phase JB's.
    - Supply, Delivery, Installation, Testing and Commissioning of LED Luminaries.
    - Mending good of all damages including restoration to original condition without any extra cost to KoPT.
    - Any other item required for completion of the work in all respect but not included above.
  - (b) Unless otherwise specified, the work to be executed by the contractor shall include but not be limited to the following:
    - Provide all materials, supervision, services, scaffolding and temporary lighting as required for work purposes etc.
    - The contractor shall carry out the work in phased manner as per availability of the site so that normal day to day activities are not affected for which no such extra payment will be entertained.
  - (c) Any work, considered required by the contractor and not mentioned hereunder, for successful completion of the work, is to be included in the relevant item of Bill of Quantities suitably, which should be finalized in the Pre-bid meeting.
  - (d) The work shall be carried out as per Indian Electricity Act, 2003, Central Electricity Authority (Measures relating to safety & electricity supply) Regulations, 2010 with latest revised IS code of Practice.

## **18. Technical Specification:**

### **(a) Flood Light Fittings**

**Item details:** Integral/ Non Integral 400W LED flood light luminaries comprises of die cast aluminium powder coated control gear and LED housing with toughened glass fixed with clamp. Its operating voltage range 120V to 270V with IP66. Luminaries luminous efficiency  $\geq 110$  lumen/ watt with  $60^\circ$  beam angle for secondary lens with THD  $< 10\%$  and Power Factor  $\geq 0.95$ . LM – 79 should be submitted for NABL accredit LAB with NABL register number mentioned in report copy. Also submit the NABL validation date of that laboratory. 5KV surge protector is used in series with every driver. Both luminaries and driver should have separate BIS nos. with valid register no. as per BIS norms and which will be marked in both luminaries and driver separately. Driver should be half silicon gel filled potted driver for better heat dissipation and ensuring vibration proof for driver circuit component to increase longevity.

**Installation:** The LED Luminaries with all other accessories shall be installed on the Existing Lattice Towers/ Poles/ Wall/ Roof as per site requirement. Cost of all necessary items like steel materials, nuts, bolts etc. should be included in the installation wherever required.

### **(b) Cable**

**Item details:** Details are given in **BOQ items**.

**Installation:** Details are given in **BOQ items**.

(c) Other Items specifically not mentioned in the T.S. shall be as per BOQ. Any other item required for Installation but specifically not mentioned either in the BOQ or the T.S. like requisite length of MS Pipes, MS Angle, clamps and accessories shall be deemed to be included in the rates for installation of the items for which these items are intended. Tenderers are advised to build up the installation prices accordingly. Any claim in this regard on the plea that the item is not specifically mentioned shall not be entertained.

(d) **List of Approved Makes:**

Item	Make
Luminaries, lamps.	Philips/ Bajaj/ Crompton/ Anchor/ Sigma/GE /Wipro/ Havells/ any other reputed make
Cable	Havells/Gloster/Polycab/any other reputed make
GI Pipe	TATA/ BANSAL / any other reputed make

Any other reputed make will only be considered if none of the approved make as mentioned in the above list is not available for some reason or the other which is to be acceptable to CME.

(e) **Inspection and Testing:**

Inspection and testing will be carried out by KoPT Engineer. Inspection will be carried out as applicable as per relevant Standard/ Technical Specification/ Approved Drawing etc. Insulation Resistance, Earth Continuity and Earth Resistance tests etc. as applicable prior to commissioning are to be carried out for electrical installation including LT cable (if any). All pre commissioning tests shall be carried out by the authorized representative of the firm having valid Supervisor's Certificate of Competency.

Date:

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Signature of the quotationer with  
Rubber stamp.

**Enquiry Letter No. Mech/SE -II / 25/186/ 153 dt. 16.01.2019****Bill of Quantities (BOQ)****Supply, Delivery, Installation & Commissioning of LED Luminaries at Container Terminal,  
NS Dock and Coal Berth, KPD**

Item No.	Description	Qty.	Unit	Rate	Amount
1	Supply and delivery of 4C x 10 sq. mm. Cable with following specification, Conductor : Stranded Aluminium conforming to IS :1554 /7098 (Part -1 ), Colour coded, Voltage Grade : 1.1KV, Insulation : XLPE , Inner Sheath : PVC, Armour : Galvanized Steel Strips, Outer Sheath : Extruded PVC	1000	Mtr.		
1(a)	Laying of above cable through existing pre-laid RCC/Hume/HDPE Pipe.	235	Mtr.		
1(b)	Laying of above cable of size of above mentioned LT cable in an underground trench 460mm wide x 760 mm average depth, with brick protection on the top of the cable with 8 (eight) nos. bricks per metre, including filling the space between the bricks and cable and also the trench with shifted soil, leveling up and restoring surface duly rammed.	765	Mtr.		
1(c)	Supplying and fixing compression type gland complete with brass gland, brass ring & rubber ring for dust & moisture proof entry of XLPE armoured cable, size of 4C x 10 sq. mm. Cable, 1.1KV Grade.	12	Nos.		
1(d)	Finishing the end of above mentioned XLPE armoured cable by crimping method inclusive of supplying and fixing solder less socket (Dowels make), tapes, anticorrosive paste & jointing materials.	12	Nos.		
2	Supply and delivery of 32 mm GI Pipe [ISI – Medium]	235	Mtr.		
2(a)	Installation of above mentioned GI Pipe in an underground trench 460mm wide x 760 mm average depth, with brick protection on the top of the cable with 8 (eight) nos. bricks per metre, including filling the space between the bricks and GI Pipe and also the trench with shifted soil, leveling up and restoring surface duly rammed.	235	Mtr.		
3	Supply and delivery of 4 Core 2.5 Sq. mm., 1.1 KV, Copper Conductor, PVC Insulated and FR PVC Round Sheathed, Flexible Industrial Cable, conforming to IS : 694	500	Mtr.		
3(a)	Installation of above mentioned cable (Item No. 3)	500	Mtr.		
4	Supply and Delivery of JB suitable for outdoor with 3 – Phase, Neutral, 415V Terminal Block	25	Nos.		
4(a)	Installation and Commissioning of above mentioned Three phase JB	25	Nos.		
5	Supply and delivery of 400W LED Flood Light Luminaries with all accessories	100	Sets		
5(a)	Installation and commissioning of 400W LED Flood Light Luminaries with supplying all necessary items.	100	Sets		
<b>Total</b>					

**Total in words (Rupees .....**  
**.....)**

**Note:** The above price is exclusive of GST, which shall be paid extra as applicable on actual.

(Office Rubber Stamp of the  
Quotationer Firm)

Signature of the Quotationer

Dated, the \_\_\_\_\_