

कोलकाता पत्तन न्यास/ KOLKATA PORT TRUST
यांत्रिक व विद्युत अभियंत्रण विभाग /Mechanical & Electrical Engineering Department
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पत्रांक: मेक/एस. ई.-II/25/226/94

दिनांक: 10.01.2019

Letter no. Mech/SE -II / 25/226/94

Date: 10.01.2019

Dear Sirs,

Sub: Enquiry letter for Quotation for the work “Wiring including installation of electrical fittings at proposed Custom Office opposite 12 KPD shed, KPD-I West”.

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 11.30 hrs on 14.01.2019.

Sealed offers should reach this office on or before 11.30 hrs. on 16.01.2019. Quotations will be opened at 12.00 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 will be paid extra as applicable 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 15 days from the date of opening of the quotation.
4. **Completion time:** The work is to be completed within 7 days from the date of placement of order.
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. 4020.00 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 is to be submitted by 11.30 hrs. on 16.01.2019. Quotations will be opened on 12.00 hrs. on 16.01.2019. 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. 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.
12. Evaluation will be made on the basis of total Value of quotation.
13. 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.
14. The Trustees are not bound to accept the lowest or any tender without assigning any reason thereof.
15. Kolkata Port Trust will issue necessary free Dock Permits to the personnel of the Contractor for execution of the tendered work. Contractor shall ensure that Dock Permits issued to his personnel are not misused. All Dock Permits shall have to be returned after completion of the work.
16. Dock safety Regulations in vogue shall be applicable for the tender work. Contractor personnel shall have to use Personal Protective Equipment(PPE) like Safety Shoe, Safety Helmet , Reflective Jacket for getting entry inside Dock in connection with execution of the contract work.

17. Scope of Work:

(a) The Scope of Work covers the following:

- Supply, Delivery, Installation, Testing and Commissioning of MCB.
- Supply, Delivery, Installation, Termination, Testing & Commissioning of LT Cable.
- Supply, Delivery, Installation, Testing and Commissioning of MCBDBs.
- Circuit Wiring through PVC Rigid Conduit.
- Point Wiring through PVC Rigid Conduit.
- Supply, Delivery, Installation, Testing and Commissioning of 6A/16A/20A modular type Socket Outlet/Starter with 6A/16A/20A modular type switches.
- Supply, Delivery, Installation, Testing and Commissioning of Ceiling Fans along with electronic regulators.
- Supply, Delivery, Installation, Testing and Commissioning of exhaust fans complete with all accessories.
- Supply, Delivery, Installation, Testing and Commissioning of LED Luminaries.
- Arrangement of Earth Pits, Earth Bus Bar connected with Earth Pits, Earthing all electrical equipment with Earth Pits.
- All dismantled materials are to be returned to Executive Engineer (Elect.) – KPD Office, if any.
- 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, all materials, supervision, services, scaffolding and temporary lighting as required for work purposes etc.

(c) 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 and relevant portion of National Building Code particularly with respect to safety requirements as per IS 16103 (Part I): 2012 and also Code of Practice for fire safety of buildings (general): Electrical Installations, IS: 1646: 1997.

18. Technical Specification:

(a) **Light Fittings:**

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

Installation: The LED Luminaries with all other accessories shall be installed on the wall/ false - ceiling as per site requirement. Cost of round block/down rod should be included in the installation wherever required.

(b) **Ceiling Fans:**

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

Installation: The ceiling fans complete with blades, canopy, fork, rubber and electronic step regulator are to be installed in the ceiling hook. Down rods are to be provided wherever necessary. Cost of ceiling rose/down rod should be included in the installation wherever required.

(c) **Exhaust Fans:**

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

Installation: The Heavy duty exhaust fan complete with all accessories is to be installed in wall.

(d) **Distribution Wiring, Point wiring:** Details are given in **BOQ items**.

(e) 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, 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.

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

Item	Make
LED	Philips/ Bajaj/ Crompton/ Anchor/ Sigma/GE / any other reputed make
PVC Copper wire of FRLS type for internal wiring	KDK-Evershine/Finolex/Havells/ National/Polycab/any other reputed make
Modular type switches/ Socket/Ceiling Rose	Havells/Anchor/ Ellora/ Precision/ Rider/ Pritam/Sleek/any other reputed make.
Ceiling Fan	Havells/Usha/Orient/Crompton Greaves/ Bajaj/Polar
Exhaust Fan	Havells/Usha/Orient/Crompton Greaves/ Bajaj/Polar

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.

(c) **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 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:

Signature of the quotationer with
Rubber Stamp.

Bill of Quantities (BOQ)

Name of work: Wiring including installation of electrical fittings at proposed Custom Office opposite
12 KPD shed, KPD-I West

Item No.	Description	Qty.	Unit	Rate	Amount
1	Supplying and fixing Sheet steel 30/32 A, 415 V TPN Main Switch with fuse on L&N, on flat iron frame on wall (Havells or similar make) for 12 KPD switch room.	1	No.		
2	Supplying of 1.1 KV grade 4 core 16 sq. mm. XLPE insulated Armoured Aluminium cable.	120	Mtr.		
3	Laying of 4 core 16 sq. mm XLPE insulated Armoured Aluminium cable on wall/surface incl. S & F MS saddles with earthing attachment in 10 SWG GI (Hot Dip) Wire, making holes etc. as necy. mending good damages and painting	15	RM		
4	Laying of 4 core 16 sq. mm XLPE insulated Armoured Aluminium cable, after cutting floor/pavement and making holes incl., embedding the cable at an average depth of 75 mm and mending good the damages to original finish incl. removing the rubbish	5	RM		
5	Laying of 4 core 16 sq. mm XLPE insulated Armoured Aluminium cable in underground trench 460 mm wide x 760 mm average depth, with brick protection both on the sides & on the top of the cable with 16 (sixteen) Nos. bricks per metre, and through 50 mm G.I. pipe including filling the empty space in the trench with sand & shifted soil, leveling up and restoring surface duly rammed.	100	RM		
6	Supplying and fixing compression type gland complete with brass gland, brass ring & rubber ring for dust & moisture-proof entry of 4 core, 16 sq. mm. XLPE armoured cable	2	No.		
7	Finishing the end of 4 core, 16 sq. mm. XLPE armoured cables by crimping method incl. supplying and fixing solderless socket (Dowels make), tapes, anticorrosive paste & jointing materials and making necessary connection.	2	No.		
8	Supplying and fixing double-door 12 way SPN MCB Distribution Board with IP-42/43 protection, on angle iron frame on wall surface after cutting the wall & mending good the damages to original finish incl. Inter connection with suitable size of copper wire and neutral link & provision for earthing attachment.	1	No.		
9	Supplying and fixing 415 V, 32 A, TPN MCB of Breaking capacity 10 kA & C characteristics on din rail of existing DBs and necessary connection	1	No.		
10	Supplying and fixing 415 V, 20 A, DP MCB of Breaking capacity 10 kA & C characteristics on din rail of existing DBs and necessary connection	3	No.		
11	Supply and laying of 50 mm GI pipe (ISI-Medium)	100	Mtr		
12	Cutting Channel (43 mm x 43 mm) on wall by Electric operated cutting machine incl. supplying & fixing heavy gauge 20 mm dia PVC rigid conduit pipe without earth continuity wire by means of anchoring chemical (Hilti/Sika) and GI 'U' hooks of 8 SWG incl. supplying and drawing 18 SWG GI wire as Fish wire and mending good damages to original finish by using own tools and tackles.	110	RM		

Item No.	Description	Qty.	Unit	Rate	Amount
13	Supplying and Drawing of 2x56/0.3 (4 sq mm) + 1x36/0.3 (2.5 sq mm) as ECC, 1.1 KV single core stranded 'FR' PVC insulated & unsheathed single core stranded copper wire in the prelaid PVC conduit pipe and making necy. connection as required for AC	30	RM		
14	Supplying and Drawing of 2x36/0.3 (2.5 sq mm) + 1x22/0.3 (1.5 sq mm) as ECC, 1.1 KV single core stranded 'FR' PVC insulated & unsheathed single core stranded copper wire in the prelaid PVC conduit pipe and making necy. connection as required	80	RM		
15	Distribution wiring in 2 x 22/0.3 (1.5 sq mm) single core stranded 'FR' PVC insulated & unsheathed copper wire of approved brand in 20 mm size PVC 'FR' rigid conduit, with 1x22/0.3 (1.5 sq mm) single core stranded 'FR' PVC insulated & unsheathed copper wire for ECC, to light & fan points with Modular type switch of approved brand fixed on Modular GI switch board [concealed in wall] with top cover plate and 2 no. suitable size "Ph & N" copper bar & earthing attachment incl. mending good damages to original finish [PVC Rigid Conduit above false ceiling and remaining portion concealed]. Average run 6 meter.	18	Point		
16	Distribution wiring in 1.1 KV grade 22/0.3 (1.5 sq mm) single core stranded 'FR' PVC insulated & unsheathed copper wire of approved brand in 20 mm size PVC 'FR' rigid conduit, with 1.1 KV grade 1 x 22/0.3 (1.5 sq mm) single core stranded 'FR' PVC insulated & unsheathed copper wire as ECC, to 6A 3 pin Modular type plug socket & switch of approved brand fixed on Modular GI switch board [concealed in wall] with top cover plate. On Board	3	Point		
17	Distribution wiring in 2x22/0.3 (1.5 sq mm) for 'ph' & 'n' and 1x22/0.3 (1.5 sq mm) as ECC, 'FR' PVC insulated & unsheathed single core stranded copper wire of approved brand in 20 mm PVC 'FR' rigid conduit concealed in wall to 6A 3 pin Modular type plug socket & switch of approved brand incl. S&F earth continuity wire, fixed in Modular GI switch board (concealed) with top cover plate flushed in wall incl. necy. connection making earthing attachment, painting and mending good damages to building works. Average 4.5 meter run.	17	Point		
18	Supply & Fixing 240 V, 16 A, 3 pin Modular type plug socket (Brand approved by EIC) with 16 A Modular type switch, without plug top on 4 Module GI Modular type switch board canceled in wall with top cover plate flushed in wall incl. S&F switch board and cover plate and making necy. connections with PVC Cu wire and earth continuity wire etc. after cutting the brick wall incl. making earthing attachment, painting and mending good damages to building works	2	Point		
19	Supply & Fixing 240 V, 10-20 A, Modular type starter (Brand approved by EIC) with 20 A Modular Switch and suitable GI Modular type switch board concealed in wall with suitable top cover plate flushed in wall incl. S&F with separate 20 A socket with suitable GI Modular type switch board concealed in wall and cover plate flushed in wall and making necy. connections with PVC Cu wire and earth continuity wire etc. after cutting the brick wall incl. making earthing attachment, painting and mending good damages to building works for AC units.	2	Nos.		
20	Supply of single 20 watt LED Tubelight light fitting complete with all accessories	2	Nos.		

Item No.	Description	Qty.	Unit	Rate	Amount
21	Fixing only single LED Tube light fitting complete with all accessories directly on wall/ceiling by screws etc.	2	Nos.		
22	Supply and fixing of 18 Watt LED Panel Light in false ceiling	12	Nos.		
23	Supply and fixing of Green line street light Type LED 65 Watt fitting with necessary connection and fixing arrangements.	1	No.		
24	Supply, delivery & fixing of 300 mm Exhaust Fan complete with blade, frame etc. [Havell's make or similar]	1	No.		
25	Fixing only exhaust fan on wall by S&F rag bolts, nuts & washers (6 mm dia x 62 mm long) or as reqd. incl. S&F 24/0.20 PVC insulated flexible copper wire 0.5 mt. length	1	No.		
26	Supply, delivery & fixing of 1200 mm sweep Ceiling fan complete with blade, canopy, down rod etc. [Havell's make or similar]	8	Nos.		
27	Supply & Fixing 240V, Modular Socket (2 Module) type fan regulator (Step type) of approved brand on existing Modular GI switch board with top cover plate incl. making necy. connections etc.	8	Nos.		
28	Fixing only ceiling fan complete with blades, canopy, fork, rubber bush etc. incl. S&F connecting wire for down rod upto 30 cm incl. painting the rod with approved paint and making necessary connection as required by 2x1.5 sq mm flexible copper wire.	8	Nos.		
29	Extra for supplying additional wire for down rod & painting the rod exceeding 30 cm by 2x1.5 sq mm flexible copper wire	8	RM		
30	Earthing with 50 mm dia. GI pipe ISI Medium 3.64 mm thick, 3.04 mts. long, and 1x4 SWG GI earth wire (4 mts long), 13 mm dia x 80 mm long GI nuts and bolts, double washer, incl. S & F 15 mm dia GI pipe protection (1 mtr long) to be filled with bitumen partly under the ground level and partly above ground level driven to an average depth of 3.65 Mts below the ground level including providing necessary masonry enclosure of overall size 86.36 cm x 86.36 cm x 46 cms deep (below ground level), CI hinged inspection cover of size 36.56 cm x 36.56 cm and treating of soil by using salt and charcoal as required.	1	Set		
31	Extra for S & F 4 SWG earth wire	10	Meter		
Total					

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 _____