

कोलकाता पत्तन न्यास/ KOLKATA PORT TRUST
यांत्रिक व विद्युत अभियंत्रण विभाग /Mechanical & Electrical Engineering Department
8, गार्डन रीच रोड, कोलकाता-700043/ 8, Garden Reach Road, Kolkata-700043

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पत्रांक: मेक/एस. ई.-II/25/226/2304

दिनांक: 23.08.2019

Letter no. Mech/SE -II / 25/226/2304

Date: 23.08.2019

Dear Sir,

Sub: Enquiry for Quotation for the work “Re-Wiring and modification of existing electrical system of Qtrs. No. 3/2 , 6/1 & 7/5 at Dumayune Avenue, Kolkata Port Trust”.

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 27.08.2019.

Sealed offers, should reach this office on or before 14.30 hrs. on 29.08.2019. Quotations will be opened at 15.00 hrs. on the same date in presence of the representatives of the quotationer.

Encl.: Terms & Conditions and Bill of Quantities

Thanking you,

Yours faithfully,

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

TERMS & CONDITIONS

1. **Price:** The quoted price shall be exclusive of GST. GST will be paid extra as applicable on actual.
2. **Taxes & Duties:** GST or any other taxes and duties, if leviable, shall be clearly mentioned in the quotation. If not mentioned otherwise, the quotation will be considered to be inclusive of all taxes and duties.
3. **Payment Terms:** 100% payment against installation, testing, commissioning and handing over of the entire work after satisfactory completion subject to Security Deposit clause.
4. **Validity:** The quotation must be valid for 30 days from the date of opening of the quotation.
5. **Completion time:** The work is to be completed within 6 weeks from the date of placement of order.
6. **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.
7. **Earnest Money:** The quotationer shall submit Earnest Money of Rs. 10,780.00 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.
8. **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.
9. You shall enclose certified copies of **Trade Licence, GST Certificate, PAN Certificate, and Electrical Contractor's Licence**. The certificates in original shall have to be submitted when demanded for inspection.
10. **Pre-qualification criteria of the Bidders:** The intending Tenderers shall satisfy the following conditions with supporting documents:
 - i) The firm must have average annual financial turnover during the three years (2015-16, 2016-17 & 2017-18) of at least 30% of the estimated cost (Rs. 5,39,022.00).
 - ii) The firms must have either of the following as experience of having successfully completed similar works during last seven years, ending on last day of month, previous to the one in which applications are invited:
 - a) Three similar completed works costing not less than 40% of the estimated value of Rs. 5,39,022.00.
Or
 - b) Two similar completed works costing not less than 50% of the estimated value of Rs. 5,39,022.00.
Or
 - c) One similar completed works costing not less than 80% of the estimated value of Rs. 5,39,022.00.

Here "similar works" means "installation work at Hospitals/Offices/Buildings/Industries and Operation, Maintenance & Servicing of Electrical wiring". Work Experience as a subcontractor or supply contractor shall not be considered as requisite qualification.

The tenderer shall have to submit certified copies of documents viz. order letter and completion certificates towards proof of execution to the ordered work.
11. **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.

12. **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 29.08.2019. Quotations will be opened on 15.00 hrs on 29.08.2019. 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.
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. (a) **Scope of work:**
 - Supply, Delivery, Installation, Testing and Commissioning of MCB Enclosure with MCB.
 - Supply, Delivery, Installation, Termination, Testing & Commissioning of LT Cables.
 - Supply, Delivery, Installation, Testing and Commissioning of MCBDB.
 - Circuit Wiring through PVC Casing-Capping.
 - Point Wiring through PVC Casing-Capping.
 - Supply, Delivery, Installation, Testing and Commissioning of 5A/16A/20A flush type Uni Socket Outlet with piano key type switches.
 - Supply, Delivery, Installation, Testing and Commissioning of Ceiling Fans along with electronic regulators.
 - Arrangement of Earth Pits, Earth Bus Bar connected with Earth Pits, Earthing all electrical equipment with Earth Pits.
 - All dismantling 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 to 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):ElectricalInstallations,IS:1646:1997.

18. Technical Specification:**(a) 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.

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

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

(d) 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.

(e) Dismantling & shifting of old materials:

On completion of works, the contractor shall reinstate and make good at his own expense any property or land which might have been disturbed and/or damaged by his works. The items to be removed include all wiring, fittings, switch fuse units & accessories etc. Contractor should also clean the site as required during execution and fully clear the site after completion of all the works. Any holes/drillings/openings/damages made on the wall/roof for drawing of cables/installation of equipments shall be made good by the contractor at his own cost.

All useable spares viz. lamps, holders, are to be returned to the office of the Executive Engineer (Elect.) – KPD.

(f) List of Approved Makes:

Item	Make
FRLS PVC Copper wire	KDK-Evershine/Finolex/Havells/ National/Polycab/any other reputed make
Piano 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

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

(g) 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:

Signature of the Quotationer with
Rubber stamp.

KOLKATA PORT TRUST
Mechanical & Electrical Engineering Department

Bill of Quantities (BOQ)

Name of work: "Re-Wiring and modification of existing electrical system of Qtrs. No. 3/2, 6/1 & 7/5 at Dumayune Avenue, Kolkata Port Trust."

Item No.	Description	Qty.	Unit	Rate	Amount
1.	Supply and delivery of 2C x 16 sq. mm. Cable with following specification, Conductor : Stranded Aluminium conforming to IS 7908(Part 1) 1988, Colour coded, Voltage Grade : 1.1KV, Insulation : XLPE , Outer Sheath : PVC, Armour : Galvanized Steel Strips, Outer Sheath : Extruded PVC	185	Mtr.		
1(a).	Laying of above cable on wall/surface including S&F MS saddles with earthing attachment in 2 x 10 SWG GI (Hot Dip) Wire, making holes etc. as necy. mending good damages and painting.	185	RM		
1(b).	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 2C x 16 sq. mm. Cable, 1.1KV Grade.	06	Nos.		
1(c).	Finishing the end of above mentioned XLPE/PVC armoured cable by crimping method inclusive of supplying and fixing solder less socket (Dowels make), tapes, anticorrosive paste & jointing materials.	06	Nos.		
2	Distribution wiring in 1.1 KV single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in 20mm size PVC rigid conduit 'FR' (Precision make) incl. necy. fittings as required 2 x 84/0.3 (6 sqmm) + 1 x 56/0.3 (4 sqmm) ECC	100	RM		
3	Supplying and fixing 240/415 V MCB of Breaking capacity 10kA & C characteristics on din rail of existing DBs and necessary connection 63A DP	03	No.		
4	Supplying and fixing MCB SS enclosure with IP-20/30 protection, powder coated provision for two/four pole MCB, concealed in wall after cutting the wall & mending good the damages to original finish incl. painting, connection & provision for earthing attachment 4 Way	03	No.		
5	Supplying and fixing double-door SPN MCB Distribution Board with IP-42/43 protection, concealed in wall 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, 2+16 way Enclosure	03	No.		
6	Supplying and fixing 240/415 V MCB Isolator on din rail of existing DBs and necessary connection 63A DP	03	No.		
7	Supplying and fixing 240 V 6-32A SP MCB of Breaking capacity 10kA & C characteristics on din rail of existing DBs and necessary connection	52	No.		
8	Wiring in 1.1 KV grade single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) of 2 x 36/0.3 (2.5 sqmm) + 1 x 22/0.3 (1.5 sqmm) in 25mm PVC casing-capping (Precision make) incl. necy. PVC clips, fittings etc.	1200	RM		

Item No.	Description	Qty.	Unit	Rate	Amount
9	Wiring in 1.1 KV grade single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) of 2 x 56/0.3 (4 sqmm) + 1 x 36/0.3 (2.5 sqmm) in 25mm PVC casing-capping (Precision make) incl. necy. PVC clips, fittings etc.	1000	RM		
10	Distribution wiring in 1.1 KV grade 2x22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in suitable size PVC casing-capping(Precision make) with 1x22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire for ECC, incl. necy. PVC clips, fittings etc. to light/fan/call bell point with piano key type switch (Anchor make) fixed on sheet steel fabricated switch board with Perspex/bakelite top cover on wall incl. necy. connections and making earthing attachment and mending good damages to building works with average run of 6 metre [PVC casing-capping and Switch board both on surface]	200	Point		
11	Distribution Wiring in 1.1 KV grade 2x22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in suitable size PVC casing-capping (Precision make) with 1x22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire for ECC, incl. necy. PVC clips, fittings etc. to 5A 3 pin flush type plug socket with piano key type switch (Anchor make) fixed on sheet steel fabricated CRC MS switch board with bakelite/perspex (wall matching color) top cover of 3 mm thick flushed in wall by housing the board after cutting brick wall incl. necy. connection making earthing attachment, painting and mending good damages to building works [PVC casing-capping and plug box both on surface] on board	55	Point		
12	Distribution Wiring in 1.1 KV grade 2x22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in suitable size PVC casing-capping (Precision make) with 1x22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire for ECC, incl. necy. PVC clips, fittings etc. to 5A 3 pin flush type plug socket with piano key type switch (Anchor make) fixed on sheet steel fabricated CRC MS switch board with bakelite/perspex (wall matching color) top cover of 3 mm thick flushed in wall by housing the board after cutting brick wall incl. necy. connection making earthing attachment, painting and mending good damages to building works of average run 6 meter [PVC casing-capping and plug box both on surface](On other boards)	35	point		
13.	Supply & Fixing 240 V, 16/20A, plug socket with separate 20 A Piano key type switch (Brand approved by EIC) on sheet metal switch board embedded in wall incl. S & F 150x100x65mm MS (16SWG) switch board and bakelite/perspex top cover of 3mm thick by Brass screws after making housing for switch by cutting bakelite/perspex cover and making necessary connections as required.	23	Each		
14	Supply & Fixing Socket type fan regulator (Step type) (Brand approved by EIC) on existing sheet metal switch board with bakelite/perspex top cover by screw after making housing for regulator knob by cutting bakelite/perspex top cover incl. making necy. connections etc.	25	Each		
15	Supply and delivery of 1400 mm ceiling fan complete with blade, canopy similar to that of HAVELLS Make Pacer Model.	10	Nos.		

Item No.	Description	Qty.	Unit	Rate	Amount
16	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 sqmm flexible copper wire	10	Each		
17	Multitune call Bell (make anchor)	03	Nos.		
18	Earthing with 50 mm dia. G I pipe ISI Medium 3,64 mm thick, 3.04 mts. long, and 1x4 SWG G I earth wire (4 mts long), 13 mm dia x 80 mm long GI nuts and bolts, double washer, incl. S & F 15 mm dia G I 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.	03	Set		
19	Connecting the equipments to earth busbar including S & F GI (Hot Dip) wire of size 4 SWG on wall/floor with staples buried inside wall/floor as required and making connection to equipments with bolts, nuts, washers, cable lugs etc. as required and mending good damages	15	Mtr.		
20	Supply & fixing of 20/25A starter	12	Each		
21	Dismantling of unserviceable old material from site & depositing the same to section office / mm store as per direction of EIC	03	Item.		
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 _____