



Ref. 5020 (PW)

Date. 27.10.2018

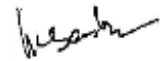
SHORT TENDER CALL NOTICE

1. The Executive Engineer, Division-I, Cuttack Municipal Corporation, at: Bikash Bhawan, Jagannathlane, Badambadi, Po. Arunodaya Market, Dist : Cuttack, Odisha, Pin-753012 on behalf of Municipal Commissioner, Cuttack Municipal Corporation, Cuttack invites sealed **Percentage Rate Bids / Tenders in sealed cover** from the eligible contractors having appropriate class of HT / M.V License as obtained from **ELBO with EPF registered for Sl. No. 1 to 10 and Authorized Dealers / Registered Firms with EPF registered for Sl. No.11.**

Sl. No	Name of the Work	Amount put to Tender (In Rs.)	E.M.D. (in Rs.)	Cost of Tender Paper(in Rs.)	Class of contractor eligible
1	2	3	4	5	6
1.	Installation of LED Semi High Mast at Thoriasahi near Hanuman Mandir in Ward No.33.	52781.00	600	400	H.T. / M.V. Electrical License Holder
2.	Installation of 3 nos LED Semi High Mast at different places in Ward No.38.	158344.00	1600	600	H.T. / M.V. Electrical License Holder
3.	Installation and commissioning of LED Flood Light to the statue of Biju Pattnaik and Median Light in front of Mangala Chhak (Celebrate Mandap) at Mahanadi Bihar in Ward No.47.	69655.00	700	400	H.T. / M.V. Electrical License Holder
4.	Extension of street light phase from Swargadham to to Khan Nagar Ring Road gada in Ward No.50.	193078.00	2000	600	H.T. / M.V. Electrical License Holder
5.	Replacement of 3x400 watt. Old damaged Semi High mast to LED Semi High Mast at Gandhi Palli Chhak and Nehru Palli Chhak in Ward No.54.	81269.00	900	400	H.T. / M.V. Electrical License Holder
6.	Installation of Semi High Mast (LED) at Bamphakuda Medical and Pahali Nayak Chhak Ramnagar in Ward No.59.	106013.00	1100	600	H.T. / M.V. Electrical License Holder
7.	Conversion of M.H. Fitting to LED Fitting of High Mast installed at Jobra Durga Ghar Chhak.	197231.00	2000	600	H.T. / M.V. Electrical License Holder
8.	Installation of 2 nos. LED Semi High Mast Lights in front of Cardiology Department at Ranihat Medical Road & Red Cross Blood Bank at Mangalabag Road.	106013.00	1100	600	H.T. / M.V. Electrical License Holder
9.	Conversion of S.V. Flood Light Fittings to LED Fittings of Mini High Mast installed at Sikharpur Traffic Chhak.	117140.00	1200	600	H.T. / M.V. Electrical License Holder
10.	Conversion of S. V. Fitting to LED Fitting of High Mast installed at Phulnakhara Chhak.	181210.00	1900	600	H.T. / M.V. Electrical License Holder
11.	Supply, Installation and Commissioning of Close Circuit TV HD Camera System (CCTV) at B.P. Central Library,CMC	197694.00	2000	600	Authorized Dealer / Registered Firms

2. The tender documents along with the detail works specification may be seen and download from the website **cmcuttack.gov.in** with effect from **11.00 A.M. on Dt. 29.10.2018 to 5.00 P.M. on Dt. 06.11.2018**. The intending bidders downloading the tender document from the website are supposed to pay the cost of tender document as mentioned in column 6 of the table in shape of Demand Draft / Banker Cheque only drawn in any Nationalized Bank or Schedule Bank in favour of Municipal Commissioner, Cuttack Municipal Corporation, Cuttack Payable at Cuttack
3. Earnest Money Deposit (EMD) as mentioned in the table 4 of the tender call notice should be submitted in shape of National Saving Certificate (NSC) / Kissan Vikash Patra (KVP) / Post Office Savings Book (POSB) / Post office term deposit (POTD) / Fixed Deposit Receipt (FDR) / Demand draft of any Nationalize Bank / Schedule Bank pledged / drawn in favour of Municipal Commissioner, Cuttack Municipal Corporation, Cuttack.

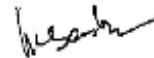
4. The bid / quotation documents shall be submitted through **Registered post, Speed post** designated for the said purpose kept in the Engineering Section of Cuttack Municipal Corporation on or before **5.00 P.M. on dt. 09.11.2018** superscribing tender / quotation for the works along with the following documents.
 - (i) Duly signed by the authorized signatory in each page and duly authenticated with seal in token of having read, understood and accepted the terms and condition of the contract.
 - (ii) **EMD** as specified in column 4 of the table of tender call notice in the manner as prescribed.
 - (iii) Attested copies of upto date **valid registration certificates**.
 - (iv) Copy of GST IN .
 - (v) Attested Xerox copy of upto date **valid PAN Card**.
 - (vi) **Bill of Quantity (BOQ)** duly filled in and signed in every page by the tenderer.
5. Bid submitted without cost of bid document, bid security, the required documents as mentioned above or otherwise than in the manner prescribed in the Bid / Quotation document shall be rejected.
6. The bid / quotation shall be opened **at 11.00 AM on dt. 12.11.2018** in the conference Hall of CMC located at Bikash Bhawan in the presence of the tenderers or their authorized representatives who wish to attend.
7. The tenderers should produce all the original documents at the time of opening of tender for verification.
8. The authority reserved the right to reject any or all the tenders without assigning any reason thereof.
9. **Modality of GST as fixed by Govt. shall be imposed.**



Executive Engineer, Division-I
Cuttack Municipal Corporation

Memo No. 5021 (PW) Date 27.10.2018

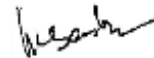
Copy to the Advertising Manager, The **Samaya, BBSR, The Pratidin, BBSR** for publication of tender call Notice in your esteemed daily, once in with a minimum space at the I&PR rate on or before **Dt.27.10.2018** for the information of the general public and submit bills in duplicate along with **copy of the above publication** in favour of the Municipal Commissioner, Cuttack Municipal Corporation, Cuttack for necessary payment at this end. You are further requested to submit a copy of the above publication to the undersigned at Bikash Bhawan, Badambadi Cuttack on the date of publication.



Executive Engineer, Division-I
Cuttack Municipal Corporation

Memo No. 5022 (PW) Date 27.10.2018

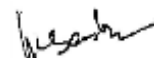
Copy to F.O, CMC for information and necessary action.



Executive Engineer, Division-I
Cuttack Municipal Corporation

Memo No. 5023 (PW) Date 27.10.2018

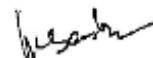
Copy submitted to the Executive Engineer, Div-II / City Engineer / Municipal Commissioner of Cuttack Municipal Corporation, Cuttack for favour of their kind information and necessary action.



Executive Engineer, Division-I
Cuttack Municipal Corporation

Memo No. 5024 (PW) Date 27.10.2018

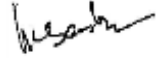
Copy to concerned Asst. Engineer / concerned Junior Engineer, CMC, for information and necessary action.



Executive Engineer, Division-I
Cuttack Municipal Corporation

Memo No. 5025 (PW) Date 27.10.2018

Copy submitted to the General Manager, Cuttack Electrical Circle, CESU, Badambadi, Cuttack / Manager, City Distribution, Division-I, CESU, Cuttack / Manager, City Distribution, Division-II, CESU, Cuttack / Executive Engineer-II, G.E.D., Cuttack / S.E.P.H., Cuttack Circle, Cuttack / Executive Engineer, Rural Works Division, Cuttack, Project Director D.R.D.A, Cuttack / Executive Engineer (R&B) Division, Cuttack / M.I Division, Cuttack / Executive Engineer (N.H.) Division, Cuttack / Executive Engineer, Mahanadi South Division, Cuttack / Executive Engineer, Mahanadi North Division, Cuttack / Engineer Member Cuttack Development Authority, Cuttack for information. They are requested to display the said notice in their office notice board for wide publication.



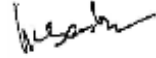
Executive Engineer, Division-I
Cuttack Municipal Corporation

Memo No. 5026 (PW) Date 27.10.2018

Copy to the P.A. to Hon'ble Mayor / Finance Officer / Auditor / Accountant / H.A. (Engg. Section) / H.A.(Adv. Section) / Cashier ,C.M.C for information & necessary action.

Copy to Notice Board, Cuttack Municipal Corporation for wide publication.

Copy to R.K.Sahoo, Computer Operator, CMC, for information.



Executive Engineer, Division-I
Cuttack Municipal Corporation

TERMS AND CONDITIONS

1. *As per the Works Department Letter No.5310 / Dtd.02.05.2009 and Letter No.5140 / Dtd.28.04.2009, Labour Cess @ 1 (one) % of construction cost will be deducted from the bill of the contractor. Contractors are requested to quote their rate accordingly.*
2. The Executive Engineer may put an end to this agreement at his option at any time and in the case bad work or materials he may remove the same and have it replaced deducting the value of the same as he may think proper from any amount due that may become due to the party making this agreement.
3. EMD as specified in the above table in shape of Demand Draft / Banker's Cheque duly pledged in favour of the Municipal Commissioner, Cuttack Municipal Corporation, Cuttack. The EMD of unsuccessful tenderers shall be refunded in due course. No other mode of payment of EMD shall be accepted. Tender received without EMD shall be rejected outright and will not be considered. Exemption of EMD shall be allowed as per the provision of OPWD codal procedure only. Request for adjustment for any previous deposits towards EMD will not be entertained.
4. The work should be start within 03 (three) days and completed within **01 (One) month** from the date of the issue of the work order as per Notification for period of completion without fail.
5. Extension of time and execution shall be as per the provision of OPWD Codal Procedure.
6. **A) :** The time allowed for carrying out the work as entered in the tender shall be strictly observed by the contractor and shall be reckoned from the date on which the written order to commence work is given to the contractor. The work shall throughout the stipulated period of the contract be carried on with all due diligence (time being deemed to be of the essence of the contract on the part of the contractor) and the contractor shall pay as compensation an amount equal to ½ (half) percent on the amount of the estimated cost if the whole work as shown by the tender for every day that the work remains un-commenced or unfinished after proper dates or such smaller amount as the Executive Engineer may decide, whose decision in writing shall be final and binding. The work should not be considered finished until such date as the Engineer-in-Charge shall certify as the date on which the work is finished after necessary rectification of defects as pointed out by the Engineer-in-Charge or his authorized agents are fully complied with by the contractor to the Engineer-in-Charge satisfaction. And further to ensure good progress during the execution of the work the contractor shall be bound in all cases in which the time allowed for any work exceeds one month to complete one fourth of the whole of the work before one-fourth of the whole time allowed under the contract has elapsed, one-half of the work, before one-half of such time has elapsed and three-fourths of the work before three-fourth of such time has elapsed. In the event of the contractor failing to comply with the conditions, he shall be liable to pay as compensation an amount equal to one-third percent on the said estimated cost of the whole work for every day that the due quantity of work remains incomplete or such smaller amount as the City Engineer may decide, whose decision in writing shall be final and binding. Provided always that the entire amount of compensation to be paid under the provisions of this clause shall not exceed 10 percent on the estimated cost of the work as shown in the tender including the cost of EMD.

(B) : If there are possibilities of exceeding this compensation amount as maintained in clause (a) 10% of the estimated cost, or in any case in which under any clause or clauses of this contract, the contractor shall have rendered himself liable to pay compensation amounting to the whole of his security deposit in the hands of the Corporation (whether paid in one sum or deducted by installments) the Engineer-in-Charge by orders of the

Commissioner shall adopt any of the following courses, as he may deemed best suited to the interest of the Corporation.

7. During execution of the work, the Agency must be found present at work site and proper care to the work should be taken by the Agency.
8. **Workmanship :** The contractor shall employ skill workmen competent to the work (holding competency certificate for installation of electrical works). All workmanship shall be of the best quality and all work shall be in accordance with Indian Electricity Rules & Regulations.
9. The Contractor shall furnish, if and when required by the Engineer-in-Charge, original vouchers, test report data of the materials of the concerned company to prove that the material procure by him is as specified.
10. The Contractor shall execute the whole and every part of the work in the most substantial and workman like manner in every respect in strict accordance with the specifications, design, plan, drawing, conditions and instruction in writing relating to the work signed by the Engineer-in-Charge.

Any discrepancy between specifications and the drawings or any error, omission or ambiguity basing the same to the notice of the Engineer and obtain the instruction of the Engineer. Any work done by the contractor after discovery by him of such discrepancy, error, omission, ambiguity without authorization by the Engineer will be entirely at the contractor's risk.

11. The quantities set out by the Cuttack Municipal Corporation in the schedule of quantities and rates annexed to forming part of the contract are the approximately estimated, quantities of work and they shall not be taken to the actual and correct quantities of the work to the executed by the contractor in the fulfillment of his obligation under the contract.
12. **Testing :** When the installation is complete in all respect and ready for handing over, all the tests accordingly to the Indian Electricity Rules shall be carried by the contractor in presence of the Asst. Engineer (Electrical), if it fails the contractor shall at once rectify all defects and short comings and any other additional tests shall be entirely at the contractors expenses and cost.

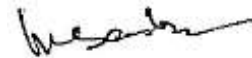
The contractor shall depute his representative to be present during all test and a competent man should be deputed for handing over the charges of all the works until the final acceptance is obtain from owners of the installation.

Note : All apparatus, materials, labourers required from making tests of electrical installation shall be supplied by the contractor only.

13. **Final Bill :** The final bill will be prepared by the Engineer-in-Charge in accordance with the rules of this Corporation in presence of the contractor within one month of the date fixed for completion of the work. The bill will be prepared strictly as per the measurement done and as per actual quantities of the materials used in the work.
14. In the event of acceptance of tender, the tenderer (herein after called the contractor) shall be entered into an agreement with the Municipal Corporation.
15. All the materials, tolls & plants, equipments, cement and steel conforming to the relevant ISI standard and specifications to the supplied by the contractor for utilization in works after approved by the Engineer-in-Charge.
16. Work tax and all other taxes, duties, fees, royalties, entry tax, any other charges required to be paid for construction of the work complete in all respect shall be born by the contractor.
17. The Contractor has to make own arrangement for water, electricity and such similar items required for construction, testing and curing at his cost and risk.

18. If the quantity of the work did differ from the quantity in the bill of quantities for the particular item by more than 25% provided the differential cost due to deviation of that particular item does not exceed 1% of the total contract value, the Engineers only shall allow for such deviation of the work. In no case, Engineer shall deviate the quantities for execution if the initial contract amount as whole is exceeded by 10%. For any deviation work, the Engineer-in-Charge has to obtain written permission from competent authority i.e. Municipal Commissioner, Cuttack Municipal Corporation.
19. The contractor shall bear entire responsibility under Workman Compensation Act and abide by the fair wages clause and Contractor's Regulation incorporated in the agreement. The contractor is to quote the rate accordingly and no extra cost whatsoever on this account the department's fair wage clause shall be entertained.
20. Additional performance security shall be deposited by the successful bidder when the bid amount is less than the estimated cost. In such an event the successful bidder will deposit the additional performance security to the extent of the differential cost of the bid amount and estimated cost at the time of drawal of agreement.
21. If the office happens to be closed on the opening of the bids as specified, the bids will be opened on the next working day at the same time and venue.
22. The authority will not be held responsible, if any portion of the bid document is excluded or modified in the downloaded bid document.
23. The Law Court at Cuttack only shall have the jurisdiction to decide any dispute arising out.
24. Any other information can be had from the office of the Executive Engineer, Cuttack Municipal Corporation, Vikash Bhawan , Badambadi, Cuttack.

The authority reserves the right to reject any or all the bids without assigning any reason thereof.



**EXECUTIVE ENGINEER, DIV.I
CUTTACK MUNICIPAL CORPORATION**

AFFIDAVIT

(Applicable for the Bidders not Registered under EPF)

I, Sri/Smt/Ms....., hereby declare as the Contractor/as the authorized signatory on behalf of the Contractor,"....."***(strike out whichever is not applicable)*** do hereby solemnly affirm and state as follows.

1. That as on date, I/we am/are not registered with RPFC (Regional Provident Fund Commission), and solemnly affirm that, I/we shall follow the "**Employees Provident Fund and Misc. Provision Act, 1952 and rules / schemes**", made there under, in case this work is awarded to me/us.
2. That I/we shall submit, after execution of work and before payment of any bill, the detail list of labours, such as,
 - (i) Name :
 - (ii) Father's Name :
 - (iii) Place of Permanent Residence:
 - (iv) Statement of wages paid to them till the completion of the work
3. That, CMC authority will be at liberty to deduct **26%** of the labour component amount of the contract and shall retain it as an **additional security with CMC**.
4. That, in case I/we submit the EPF registration certificate, then the said additional security shall be released to me/us by CMC without any interest subject to fulfilment of other compliances / conditions.
5. That, this affidavit is required to be produced before the authority of Cuttack Municipal Corporation for tender purpose.
That the facts stated above are true to the best of my/our knowledge.

(*) - Strike out which is not applicable

(Deponent)

(Signature of the Tenderer/Authorised Signatory in case of Partnership Firm/Company with Seal of the Firm/Company)

DECLARATION CERTIFICATE

- I. I/We have visited the site and have fully acquainted with the local situation regarding the materials, labour and factors pertaining to the work for completion in all respect before submitting the tender.
- II. I/We have carefully studied the conditions of the construction, specification, contract condition and all other document relating to this work and agree to execute the same accordingly.
- III. I/We solemnly pledge that I/We shall be sincere in discharging my/our duties as responsible contractor and complete the work within the prescribed time limit. In case there are deviation from the construction programme. I/We shall abide by the decision of Engineer-in-charge for revision of the programme and arrange for the labours, materials, equipments etc accordingly.
- IV. In the event of award of the work to me/us, I/We undertake the entire responsibility for the structural stability to re-construct / replace the whole or part of the component of the structure in the event of failure or improper functioning/improper construction within a period of one year from the date of completion without asking for extra payment from any account to the department.
- V. I/We undertake that I/We shall not claim any escalation of cost on account of materials, labourers, taxes, natural calamities, public nuisance, miscreants or from any account in connection with work within execution of the work till the actual completion period and shall not be entertained by the department. (Cuttack Municipal Corporation).
- VI. In case of violation of contents of department's tender documents in shape of extra conditions, or in any form, my / our offer / tender shall be rejected by the department without any intimation to me/us.

SIGNATURE OF CONTRACTOR



-1-

BILL OF QUANTITY

Name of the work : Installation of LED Semi High Mast at Thoriasahi near Hanuman Mandir in Ward No. 33.

Amount put to Tender : 52781.00

E.M.D. to be Deposited : 600

Cost of Tender Paper : 400

Time of Completion : One Month

Sl. No.	Description of the work proposed for execution	Qty.	Unit	Rate	Amount
1	Supply and erection of 08 Mtrs. long G.I. Tubular Pole (Bottom Specification: 6.00m. Length x 139.70mm. O.D x 4.85mm. Thickness, Top Specification: 2.00m. Length x 88.90mm. O.D x 3.25mm. Thickness) with earth work in excavation of foundation of size 3'-0" x 3'-0" x 3'-0" = 0.76 Cum in all type of soil including rough dressing and leveling the bed etc. complete with transportation, T&P and labour charges as per the direction of the Engineer-in-Charge.	1	No.	9177.00	9177.00
2	Providing and laying un-reinforced plain cement concrete pavement with 43 grade cement with M-20 grade mix with 20mm and down graded screened washed hard black crusher broken granite chips including hoisting, lowering, laying, watering, curring etc. complete as per direction of the Engineer-in-Charge. Upto ground level : 1 x 3'-0" x 3'-0" x 3'-0" = 27.00cft. Couping portion : 1 x 1'-6" x 1'-6" x 1'-6" = 03.37cft. (-) Volume of pole up to top of couping : 3.14 x (0'-5½")² / 4 x 4'-6" = (-) 0.71 cft. = 29.66cft. Or Say 0.83 Cum per each	0.83	Cum	4481.10	3719.31
3	Supply of all materials, labour, T&P and transportation for centering and shultering of the couping portion etc. complete as per direction of the Engineer-in-Charge. 4 x 1'-6" x 1'-6" = 9 sq.ft. Or say 0.83 sqm per each	0.83	Sqm	85.50	70.97
4	Supply, fitting and fixing of Coil Earthing etc. complete with transportation, T&P and labour charges as per the direction of the Engineer-in-Charge.	1	No.	152.00	152.00
5	Supply and fixing of lighting Fixtures of 90 Watt. LED Street Light having powder coated pressure die-cast Aluminum housing Clear toughened glass having following specification: (i) LED : LM80 certified high power LED, (ii) Lens : Suitable secondary lens for better light distribution, (iii) Gear : Integral, Electronic constant current driver of min. 85% efficiency, (iv) Internal Wiring : Teflon insulated, Cu. Conductor, (v) Hardware : SS & Ms zinc plated & passivated, (vi) Ingress protection : IP66, (vii) Lumen maintenance : 50,000 Hrs @ L70, (viii) Operating temperature : -10°C to 50°C, (ix) Rated voltage & frequency : 240V, 50Hz AC, (x) Wattage : 90 W, (xi) Current : < 0.65A, (xii)	4	Set	8728.00	34912.00

Number of Corrections :

Number of Overwriting :

Number of Interpolation :

Quotationer

Executive Engineer, Div.I
Cuttack Municipal Corporation



	Pf : > 0.95, (xiii) Ithd : < 10%, (xiv) Lumen : 8100 lm, (xv) Efficacy : >85lm/W, (xvi) CCT: 5700K, (xvii) CRI : >70, (xviii) Protections: Open & Short circuit protection, reverse polarity protection and surge protection. (Make : BAJAJ/CROMPTON/SURYA/PHILIPS/HPL)				
6	Supply and fixing of 4 Arm Bracket having the following specification with welding of 1'-6" medium gauge M.S. Pipe bended at an angle of 120° and top cover of dia 3½" fixing in the top of Tubular pole including cost of materials, labour, T&P and transportation etc. complete as per direction of the Engineer-in-Charge.	1	No.	3400.00	3400.00
7	Supply and stringing of 4Sq.mm twin core PVC insulated PVC sheathed aluminum wire support with No.10 G.I. wire and binding wire including cost of materials, labour, T&P and transportation etc. complete as per direction of the Engineer-in-Charge.	30	Mtr.	45.00	1350.00
8	Supply and laying of size 4 core x 16sq.mm PVC insulated PVC sheathed armoured underground aluminum cable for power supply to High Mast Fitting including cost of materials, labour, T&P and transportation etc. complete as per direction of the Engineer-in-Charge.	20	Mtr.	310.00	6200.00
9	Supply and laying of 50mm dia HDPE Pipe inside the Road cutting portion for laying of cable including cost of materials, labour, T&P and transportation as per direction of the Engineer-in-Charge	15	Mtr.	121.00	1815.00
Rupees Fifty-Two Thousand Seven Hundred Eighty-One only				Total Estimated cost	52781.28
				OR SAY	52781.00
To be filled in by the Contractor participating in the tender process					
My quoted rate are					
_____% (_____) Excess OR _____% (_____) Less Over the estimated cost as put to tender					
Date			Signature of the contractor		

Number of Corrections :

Number of Overwriting :

Number of Interpolation :

Quotationer

**Executive Engineer, Div.I
Cuttack Municipal Corporation**



-2-

BILL OF QUANTITY

Name of the work : Installation of 3 nos. LED Semi High Masts at different places in Ward No. 38.

Amount put to Tender : 158344.00

E.M.D. to be Deposited : 1600

Cost of Tender Paper : 600

Time of Completion : One Month

Sl. No.	Description of the work proposed for execution	Qty.	Unit	Rate	Amount
1	Supply and erection of 08 Mtrs. long G.I. Tubular Pole (Bottom Specification: 6.00m. Length x 139.70mm. O.D x 4.85mm. Thickness, Top Specification: 2.00m. Length x 88.90mm. O.D x 3.25mm. Thickness) with earth work in excavation of foundation of size 3'-0" x 3'-0" x 3'-0" = 0.76 Cum in all type of soil including rough dressing and leveling the bed etc. complete with transportation, T&P and labour charges as per the direction of the Engineer-in-Charge.	3	No.	9177.00	27531.00
2	Providing and laying un-reinforced plain cement concrete pavement with 43 grade cement with M-20 grade mix with 20mm and down graded screened washed hard black crusher broken granite chips including hoisting, lowering, laying, watering, curring etc. complete as per direction of the Engineer-in-Charge. Upto ground level : 1 x 3'-0" x 3'-0" x 3'-0" = 27.00cft. Couping portion : 1 x 1'-6" x 1'-6" x 1'-6" = 03.37cft. = 30.37cft. (-) Volume of pole up to top of couping : 3.14 x (0'-5½") ² /4 x 4'-6" = (-) 0.71 cft. = 29.66cft. Or Say 0.83 Cum per each	2.49	Cum	4481.10	11157.94
3	Supply of all materials, labour, T&P and transportation for centering and shultering of the couping portion etc. complete as per direction of the Engineer-in-Charge. 4 x 1'-6" x 1'-6" = 9 sq.ft. Or say 0.83 sqm per each	2.49	Sqm	85.50	212.90
4	Supply, fitting and fixing of Coil Earthing etc. complete with transportation, T&P and labour charges as per the direction of the Engineer-in-Charge.	3	No.	152.00	456.00
5	Supply and fixing of lighting Fixtures of 90 Watt. LED Street Light having powder coated pressure die-cast Aluminum housing Clear toughened glass having following specification:. (i) LED : LM80 certified high power LED, (ii) Lens : Suitable secondary lens for better light distribution, (iii) Gear : Integral, Electronic constant current driver of min. 85% efficiency, (iv) Internal Wiring : Teflon insulated, Cu.	12	Set	8728.00	104736.00

Number of Corrections :

Number of Overwriting :

Number of Interpolation :

Quotationer

Executive Engineer, Div.I
Cuttack Municipal Corporation



	Conductor, (v) Hardware : SS & Ms zinc plated & passivated, (vi) Ingress protection : IP66, (vii) Lumen maintenance : 50,000 Hrs @ L70, (viii) Operating temperature : -10°C to 50°C, (ix) Rated voltage & frequency : 240V, 50Hz AC, (x) Wattage : 90 W, (xi) Current : < 0.65A, (xii) Pf : > 0.95, (xiii) Ithd : < 10%, (xiv) Lumen : 8100 lm, (xv)Efficacy : >85lm/W, (xvi) CCT: 5700K, (xvii) CRI : >70, (xviii) Protections: Open & Short circuit protection, reverse polarity protection and surge protection. (Make : BAJAJ/CROMPTON/SURYA/PHILIPS/HPL)				
6	Supply and fixing of 4 Arm Bracket having the following specification with welding of 1'-6" medium gauge M.S. Pipe bended at an angle of 120° and top cover of dia 3½" fixing in the top of Tubular pole including cost of materials, labour, T&P and transportation etc. complete as per direction of the Engineer-in-Charge.	3	No.	3400.00	10200.00
7	Supply and stringing of 4Sq.mm twin core PVC insulated PVC sheathed aluminum wire support with No.10 G.I. wire and binding wire including cost of materials, labour, T&P and transportation etc. complete as per direction of the Engineer-in-Charge.	90	Mtr.	45.00	4050.00
Rupees One Lakh Fifty-Eight Thousand Three Hundred Forty-Four only				Total Estimated cost	158343.83
				OR SAY	158344.00
To be filled in by the Contractor participating in the tender process					
My quoted rate are _____% (_____) Excess OR _____% (_____) Less Over the estimated cost as put to tender					
Date			Signature of the contractor		

Number of Corrections :

Number of Overwriting :

Number of Interpolation :

Quotationer

**Executive Engineer, Div.I
Cuttack Municipal Corporation**



-3-

BILL OF QUANTITY

Name of the work : **Supply, installation and commissioning of LED Flood Light to the statue of Biju Pattanaik and Median Light in front of Mangala Chhak (Celebrate Mandap) at Mahanadi Bihar in Ward No. 47.**

Amount put to Tender : **69655.00**

E.M.D. to be Deposited : **700**

Cost of Tender Paper : **400.00**

Time of Completion : **One Month**

Sl. No.	Description of the work proposed for execution	Qty.	Unit	Rate	Amount
1	Supply and erection of 8 Mtrs. Long 200 Kg working capacity L.T. PSC Pole with earth work in excavation of foundation of size 0.9mtr. x 0.9mtr. x 1.5mtr. in all type of soil including rough dressing and leveling the bed etc. complete with transportation, T&P and labour charges as per the direction of the Engineer-in-Charge.	1	No	3249.00	3249.00
2	Supply of all materials, labour, T&P for providing C.C. (1:4:8) with black granite Crusher Brocken (BHG CB) metal of size 40mm and concreting of 200 Kg working capacity 8 Mtrs. Long L.T. PSC Pole of size 5'-0" x 2'-0" x 2'-0" = 20 cft. Or say 0.57 cum per each as per the direction of the Engineer-in-Charge.	0.57	Cum	3646.00	2078.22
3	Supply and erection of 08 Mtrs. long G.I. Tubular Pole (Bottom Specification: 6.00m. Length x 139.70mm. O.D x 4.85mm. Thickness, Top Specification: 2.00m. Length x 88.90mm. O.D x 3.25mm. Thickness) with earth work in excavation of foundation of size 3'-0" x 3'-0" x 3'-0" = 0.76 Cum in all type of soil including rough dressing and leveling the bed etc. complete with transportation, T&P and labour charges as per the direction of the Engineer-in-Charge.	1	No.	9086.00	9086.00
4	Providing and laying un-reinforced plain cement concrete pavement with 43 grade cement with M-20 grade mix with 20mm and down graded screened washed hard black crusher broken granite chips including hoisting, lowering, laying, watering, curring etc. complete as per direction of the Engineer-in-Charge. Upto ground level : 1 x 3'-0" x 3'-0" x 3'-0" = 27.00cft. Couping portion : 1 x 1'-6" x 1'-6" x 1'-6" = 0.37cft. (-) Volume of pole up to top of couping : 3.14 x (0'-5½")² /4 x 4'-6" = (-) 0.71 cft. 29.66cft. Or Say 0.83 Cum per each	0.83	Cum	4481.10	3719.31
5	Supply of all materials, labour, T&P and transportation for centering and shultering of the couping portion etc. complete as per direction of the Engineer-in-Charge. 4 x 1'-6" x 1'-6" = 9 sq.ft. Or say 0.83 sqm per each	0.83	Sqm	85.50	70.97

Number of Corrections :

Number of Overwriting :

Number of Interpolation :

Quotationer

**Executive Engineer, Div.I
Cuttack Municipal Corporation**



6	Supply, fitting and fixing of Coil Earthing etc. complete with transportation, T&P and labour charges as per the direction of the Engineer-in-Charge.	1	No.	152.00	152.00
7	Supply and fixing of lighting Fixtures of 200 Watt. LED Flood Light with pressure die cast housing with individual LEDS with modular secondary optics and IP 66 protection having following specification as per the direction of the Engineer-in-Charge: (i) LED : LM80 certified high power LED, (ii) Lens : Suitable secondary lens for better light distribution, (iii) Gear : Integral, Electronic constant current driver of min. 85% efficiency, (iv) Internal Wiring : Teflon insulated, Cu. Conductor, (v) Hardware : SS & Ms zinc plated & passivated, (vi) Ingress protection : IP66, (vii) Lumen maintenance : 50,000 Hrs @ L70, (viii) Operating temperature : -10°C to 50°C, (ix) Rated voltage & frequency : 240V, 50Hz AC, (x) Wattage : 200 W, (xi) Current : < 0.65A, (xii) Pf : > 0.95, (xiii) Ithd : < 10%, (xiv) Lumen : 18000 lm, (xv) Efficacy : >85lm/W, (xvi) CCT: 5700K, (xvii) CRI : >70, (xviii) Protections: Open & Short circuit protection, reverse polarity protection and surge protection. (Make : BAJAJ/CROMPTON/SURYA/PHILIPS/HPL)	2	No.	19190.00	38380.00
8	Supply and laying of size 2 core x 6 sq.mm PVC insulated PVC sheathed armoured underground aluminum cable for power supply to Post Top Lantern Fitting including cost of materials, labour, T&P and transportation etc. complete as per direction of the Engineer-in-Charge.	60	Mtr.	133.50	8010.00
9	Cable trenching in all type of soil excepting rocky soil including excavation of earth, bricks laying and filling of sand and loose earth to the original ground level with surface dressing after laying of 01 no. 1.1 K.V. PVC insulated PVC sheathed armoured underground cable inside the trench and removal of surplus earth to a lead up to 05 KM.	20	Mtr	143.00	2860.00
10	Supply and laying of 50mm dia HDPE Pipe inside the trench for laying of cable including cost of materials, labour, T&P and transportation as per direction of the Engineer-in-Charge.	20	Mtr.	80.00	1600.00
11	Supply and fixing of D. P. Box of size 1' x 1' x 0.6" with D. P. Switch mounted Pole with help of M. S. Clamp including cost of materials, labour, T&P and transportation etc. complete as per direction of the Engineer-in-Charge.	1	No.	450.00	450.00
Rupees Sixty-Nine Thousand Six Hundred Fifty-Five only			Total Estimated cost		69655.50
			OR SAY		69655.00
To be filled in by the Contractor participating in the tender process					
My quoted rate are _____% (_____) Excess OR _____% (_____) Less Over the estimated cost as put to tender					
Date			Signature of the contractor		

Number of Corrections :

Number of Overwriting :

Number of Interpolation :

Quotationer

**Executive Engineer, Div.I
Cuttack Municipal Corporation**



-4-

BILL OF QUANTITY

Name of the work : **Extension of street light phase from Swargadham to Khannagar Ring Road Gada in Ward No. 50.**

Amount put to Tender : **193078.00**

E.M.D. to be Deposited : **2000**

Cost of Tender Paper : **600.00**

Time of Completion : **One Month**

Sl. No.	Description of the work proposed for execution	Qty.	Unit	Rate	Amount
1	Supply and erection of 08 Mtrs. long G.I. Tubular Pole (Bottom Specification: 6.00m. Length x 139.70mm. O.D x 4.85mm. Thickness, Top Specification: 2.00m. Length x 88.90mm. O.D x 3.25mm. Thickness) with earth work in excavation of foundation of size 3'-0" x 3'-0" x 3'-0" = 0.76 Cum in all type of soil including rough dressing and leveling the bed etc. complete with transportation, T&P and labour charges as per the direction of the Engineer-in-Charge.	7	No.	9177.00	64239.00
2	Providing and laying un-reinforced plain cement concrete pavement with 43 grade cement with M-20 grade mix with 20mm and down graded screened washed hard black crusher broken granite chips including hoisting, lowering, laying, watering, curring etc. complete as per direction of the Engineer-in-Charge. Upto ground level : 1 x 3'-0" x 3'-0" x 3'-0" = 27.00cft. Couping portion : 1 x 1'-6" x 1'-6" x 1'-6" = <u>03.37cft.</u> = 30.37cft. (-) Volume of pole up to top of couping : 3.14 x (0'-5½") ² /4 x 4'-6" = (-) <u>0.71 cft.</u> = 29.66cft. Or Say 0.83 Cum per each	5.81	Cum	4481.10	26035.19
3	Supply of all materials, labour, T&P and transportation for centering and shultering of the couping portion etc. complete as per direction of the Engineer-in-Charge. 4 x 1'-6" x 1'-6" = 9 sq.ft. Or say 0.83 sqm per each	5.81	Sqm	85.50	496.76
4	Supply, fitting and fixing of Coil Earthing etc. complete with transportation, T&P and labour charges as per the direction of the Engineer-in-Charge.	7	No.	152.00	1064.00
5	Supply, fitting and fixing of Suspension Clamp with I Hook for stringing of XLPE Aerial Bunched Cable etc. complete with transportation, T&P and labour charges as per the direction of the Engineer-in-Charge.	10	No.	650.00	6500.00
6	Supply, fitting and fixing of size 0'-3" x 0'-3½" L. T. Shackle Insulator with strap nut and bolt for stringing of XLPE Aerial Bunched cable in the cross arm etc. complete with transportation, T&P and labour charges as per the direction of the Engineer-in-Charge.	10	Set	122.00	1220.00
7	Supplying and stringing of 1 x 35sq.mm. + 1 x 25sq.mm. XLPE Aerial Bunched Cable from pole to pole etc. complete with transportation, T&P and labour charges as per the direction of the Engineer-in-Charge.	0.3	K.M	64989.00	19496.70

Number of Corrections :

Number of Overwriting :

Number of Interpolation :

Quotationer

Executive Engineer, Div.I
Cuttack Municipal Corporation



8	Supply and fixing of 1½" dia medium gauge G.I.Pipe having thickness 3.25mm to 3.65mm suitable for fixing of the Street Light fitting and bended at 120°. (Preferable size of bracket 2'-6" X 1'-6") etc. complete with transportation, T&P and labour charges as per the direction of the Engineer-in-Charge (As per the Sample)	7	No	489.00	3423.00
9	Supply and fixing of M.S. Clamp of 40mm X 05mm size M.S. Flat for fixing with 1½" G.I. Bracket with 2" X 5/8" of size nut & bolt threaded complete supply with drilling holes for above size of nut & bolt, bending etc. suitable for L.T. Poles i.e. Tubular, Joist and PSC Poles etc. complete with transportation, T&P and labour charges as per the direction of the Engineer-in-Charge.(As per the Sample). (A) 03" Clamp suitable for PSC Pole	14	Pair	221.00	3094.00
10	Supply, fitting and fixing of Insulated Piercing Connector main 35 to 95 tap 1.5 to 10sq.mm for power supply to street light fitting etc. complete with transportation, T&P and labour charges as per the direction of the Engineer-in-Charge.	7	No.	812.00	5684.00
11	Supply and fixing of lighting Fixtures of 90 Watt. LED Street Light having powder coated pressure die-cast Aluminum housing Clear toughened glass having following specification: (i) LED : LM80 certified high power LED, (ii) Lens : Suitable secondary lens for better light distribution, (iii)Gear : Integral, Electronic constant current driver of min. 85% efficiency, (iv) Internal Wiring : Teflon insulated, Cu. Conductor, (v) Hardware : SS & Ms zinc plated & passivated, (vi) Ingress protection : IP66, (vii) Lumen maintenance : 50,000 Hrs @ L70, (viii) Operating temperature : -10°C to 50°C, (ix) Rated voltage & frequency : 240V, 50Hz AC, (x) Wattage : 90 W, (xi) Current : < 0.65A, (xii) Pf : > 0.95, (xiii) Ithd : < 10%, (xiv) Lumen : 8100 lm, (xv)Efficacy : >85lm/W, (xvi) CCT: 5700K, (xvii) CRI : >70, (xviii) Protections: Open & Short circuit protection, reverse polarity protection and surge protection. (Make : BAJAJ/CROMPTON/SURYA/PHILIPS/HPL)	7	Set	8715.00	61005.00
12	Supply and laying of 2.5 Sq.mm. PVC insulated PVC Sheathed twin core flat (Black) aluminum wire of length 100 mtr. per coil etc. complete with transportation, T&P and labour charges as per the direction of the Engineer-in-Charge.	0.4	Coil	2050.00	820.00
Rupees One Lakh Ninety-Three Thousand Seventy-Eight only				Total Estimated cost	193077.65
				OR SAY	193078.00
To be filled in by the Contractor participating in the tender process					
My quoted rate are _____% (_____) Excess OR _____% (_____) Less Over the estimated cost as put to tender					
Date			Signature of the contractor		

Number of Corrections :

Number of Overwriting :

Number of Interpolation :

Quotationer

**Executive Engineer, Div.I
Cuttack Municipal Corporation**



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BILL OF QUANTITY

Name of the work : **Replacement of 3x400 Watt. old Damaged Semi High Mast to LED Semi High Mast at Gandhi Palli Chhak and Nehru Palli Chhak in Ward No. 54.**

Amount put to Tender : **81269.00**

E.M.D. to be Deposited : **900**

Cost of Tender Paper : **600**

Time of Completion : **One Month**

Sl. No.	Description of the work proposed for execution	Qty.	Unit	Rate	Amount
1	Supply and fixing of lighting Fixtures of 90 Watt. LED Street Light having powder coated pressure die-cast Aluminum housing Clear toughened glass having following specification: (i) LED : LM80 certified high power LED, (ii) Lens : Suitable secondary lens for better light distribution, (iii) Gear : Integral, Electronic constant current driver of min. 85% efficiency, (iv) Internal Wiring : Teflon insulated, Cu. Conductor, (v) Hardware : SS & Ms zinc plated & passivated, (vi) Ingress protection : IP66, (vii) Lumen maintenance : 50,000 Hrs @ L70, (viii) Operating temperature : -10°C to 50°C, (ix) Rated voltage & frequency : 240V, 50Hz AC, (x) Wattage : 90 W, (xi) Current : < 0.65A, (xii) Pf : > 0.95, (xiii) Ithd : < 10%, (xiv) Lumen : 8100 lm, (xv) Efficacy : >85lm/W, (xvi) CCT: 5700K, (xvii) CRI : >70, (xviii) Protections: Open & Short circuit protection, reverse polarity protection and surge protection. (For replacement of Semi High Mast) (Make : BAJAJ/CROMPTON/SURYA/PHILIPS/HPL)	8	Set	8728.00	69824.00
2	Supply and fixing of 4 Arm Bracket having the following specification with welding of 1'-6" medium gauge M.S. Pipe bended at an angle of 120° and top cover of dia 3½" fixing in the top of Tubular pole including cost of materials, labour, T&P and transportation etc. complete as per direction of the Engineer-in-Charge. (For existing 2 nos. Round type Semi High Mast)	2	No.	3400.00	6800.00
3	Providing and laying un-reinforced plain cement concrete pavement with 43 grade cement with M-20 grade mix with 20mm and down graded screened washed hard black crusher broken granite chips including hoisting, lowering, laying, watering, curring etc. complete as per direction of the Engineer-in-Charge. Couping portion : 1 x 1'-6" x 1'-6" x 1'-6" = 03.37cft. (-) Volume of pole up to top of couping : 3.14 x (0'-5") ² /4 x 1'-6" = (-) 0.20 cft. = 3.17 cft. Or Say 0.09 Cum per each	0.18	Cum	4481.10	806.60

Number of Corrections :

Number of Overwriting :

Number of Interpolation :

Quotationer

**Executive Engineer, Div.I
Cuttack Municipal Corporation**



4	Supply, fitting and fixing of Coil Earthing etc. complete with transportation, T&P and labour charges as per the direction of the Engineer-in-Charge.	2	No.	152.00	304.00
5	Supply of all materials, labour, T&P and transportation for scrapping old paint with scrappers and Sand Papering of existing Tubular Pole etc. complete as per direction of the Engineer-in-Charge. 1no. x 3.02 sq.mt = 3.02 sq.mt.	6.04	Sqm.	4.19	25.31
6	Supply of all materials, labour, T&P and transportation for painting two coats aluminum enamel paint over a coat of red oxide primer on iron surface of existing Tubular Pole etc. complete as per direction of the Engineer-in-Charge. 1 no. x 3.02 sq.mt = 3.02 sq.mt	6.04	Sqm.	134.00	809.36
7	Supply and stringing of 4Sq.mm twin core PVC insulated PVC sheathed aluminum wire support with No.10 G.I. wire and binding wire including cost of materials, labour, T&P and transportation etc. complete as per direction of the Engineer-in-Charge.	60	Mtr.	45.00	2700.00
Rupees Eighty-One Thousand Two Hundred Sixty-Nine only			Total Estimated cost		81269.27
			OR SAY		81269.00
To be filled in by the Contractor participating in the tender process					
My quoted rate are					
_____ % (_____) Excess					
OR					
_____ % (_____) Less					
Over the estimated cost as put to tender					
Date			Signature of the contractor		

Number of Corrections :

Number of Overwriting :

Number of Interpolation :

Quotationer

**Executive Engineer, Div.I
Cuttack Municipal Corporation**



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BILL OF QUANTITY

Name of the work : Installation of Semi High Mast Light (LED) at Bamphakuda Medical and Pahali Nayak Chhak Ramnagar in Ward No. 59.

Amount put to Tender : 106013.00

E.M.D. to be Deposited : 1100

Cost of Tender Paper : 600

Time of Completion : One Month

Sl. No.	Description of the work proposed for execution	Qty.	Unit	Rate	Amount
1	Supply and erection of 08 Mtrs. long G.I. Tubular Pole (Bottom Specification: 6.00m. Length x 139.70mm. O.D x 4.85mm. Thickness, Top Specification: 2.00m. Length x 88.90mm. O.D x 3.25mm. Thickness) with earth work in excavation of foundation of size 3'-0" x 3'-0" x 3'-0" = 0.76 Cum in all type of soil including rough dressing and leveling the bed etc. complete with transportation, T&P and labour charges as per the direction of the Engineer-in-Charge.	2	No.	9177.00	18354.00
2	Providing and laying un-reinforced plain cement concrete pavement with 43 grade cement with M-20 grade mix with 20mm and down graded screened washed hard black crusher broken granite chips including hoisting, lowering, laying, watering, curring etc. complete as per direction of the Engineer-in-Charge. Upto ground level : 1 x 3'-0" x 3'-0" x 3'-0" = 27.00cft. Couping portion : 1 x 1'-6" x 1'-6" x 1'-6" = 03.37cft. = 30.37cft. (-) Volume of pole up to top of couping : 3.14 x (0'-5½") ² /4 x 4'-6" = (-) 0.71 cft. = 29.66cft. Or Say 0.83 Cum per each	1.66	Cum	4481.10	7438.63
3	Supply of all materials, labour, T&P and transportation for centering and shultering of the couping portion etc. complete as per direction of the Engineer-in-Charge. 4 x 1'-6" x 1'-6" = 9 sq.ft. Or say 0.83 sqm per each	1.66	Sqm	85.50	141.93
4	Supply, fitting and fixing of Coil Earthing etc. complete with transportation, T&P and labour charges as per the direction of the Engineer-in-Charge.	2	No.	152.00	304.00

Number of Corrections :

Number of Overwriting :

Number of Interpolation :

Quotationer

Executive Engineer, Div.I
Cuttack Municipal Corporation



5	Supply and fixing of lighting Fixtures of 90 Watt. LED Street Light having powder coated pressure die-cast Aluminum housing Clear toughened glass having following specification: (i) LED : LM80 certified high power LED, (ii) Lens : Suitable secondary lens for better light distribution, (iii) Gear : Integral, Electronic constant current driver of min. 85% efficiency, (iv) Internal Wiring : Teflon insulated, Cu. Conductor, (v) Hardware : SS & Ms zinc plated & passivated, (vi) Ingress protection : IP66, (vii) Lumen maintenance : 50,000 Hrs @ L70, (viii) Operating temperature : -10°C to 50°C, (ix) Rated voltage & frequency : 240V, 50Hz AC, (x) Wattage : 90 W, (xi) Current : < 0.65A, (xii) Pf : > 0.95, (xiii) Ithd : < 10%, (xiv) Lumen : 8100 lm, (xv) Efficacy : >85lm/W, (xvi) CCT: 5700K, (xvii) CRI : >70, (xviii) Protections: Open & Short circuit protection, reverse polarity protection and surge protection. (Make : BAJAJ/CROMPTON/SURYA/PHILIPS/HPL)	8	Set	8728.00	69824.00
6	Supply and fixing of 4 Arm Bracket having the following specification with welding of 1'-6" medium gauge M.S. Pipe bended at an angle of 120° and top cover of dia 3½" fixing in the top of Tubular pole including cost of materials, labour, T&P and transportation etc. complete as per direction of the Engineer-in-Charge.	2	No.	3400.00	6800.00
7	Supply and stringing of 4Sq.mm twin core PVC insulated PVC sheathed aluminum wire support with No.10 G.I. wire and binding wire including cost of materials, labour, T&P and transportation etc. complete as per direction of the Engineer-in-Charge.	70	Mtr.	45.00	3150.00
Rupees One Lakh Six Thousand Thirteen only			Total Estimated cost		106012.56
			OR SAY		106013.00
To be filled in by the Contractor participating in the tender process					
My quoted rate are					
_____ % (_____) Excess					
OR					
_____ % (_____) Less					
Over the estimated cost as put to tender					
Date			Signature of the contractor		

Number of Corrections :

Number of Overwriting :

Number of Interpolation :

Quotationer

**Executive Engineer, Div.I
Cuttack Municipal Corporation**



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BILL OF QUANTITY

Name of the work : **Conversion of M.H. Fitting to LED Fitting of High Mast installed at Jobra Durga Ghar Chhak.**

Amount put to Tender : **197231.00**

E.M.D. to be Deposited : **2000**

Cost of Tender Paper : **600**

Time of Completion : **One Month**

Sl. No.	Description of the work proposed for execution	Qty.	Unit	Rate	Amount
1	Supply and fixing of lighting Fixtures of 200 Watt. LED Flood Light with pressure die cast housing with individual LEDS with modular secondary optics and IP 66 protection having following specification as per the direction of the Engineer-in-Charge: (i) LED : LM80 certified high power LED, (ii) Lens : Suitable secondary lens for better light distribution, (iii) Gear : Integral, Electronic constant current driver of min. 85% efficiency, (iv) Internal Wiring : Teflon insulated, Cu. Conductor, (v) Hardware : SS & Ms zinc plated & passivated, (vi) Ingress protection : IP66, (vii) Lumen maintenance : 50,000 Hrs @ L70, (viii) Operating temperature : -10°C to 50°C, (ix) Rated voltage & frequency : 240V, 50Hz AC, (x) Wattage : 200 W, (xi) Current : < 0.65A, (xii) Pf : > 0.95, (xiii) Ithd : < 10%, (xiv) Lumen : 18000 lm, (xv) Efficacy : >85lm/W, (xvi) CCT: 5700K, (xvii) CRI : >70, (xviii) Protections: Open & Short circuit protection, reverse polarity protection and surge protection. (Make : BAJAJ/CROMPTON/SURYA/PHILIPS/HPL)	9	No.	19190.00	172710.00
2	Mechanic Charge for lowering of High Mast, dismantling existing 9 nos. M.H. Fittings with delivery to CMC Store and complete fixing of above Flood Light Fittings, testing etc. and after fixing & testing, raising the same as a suitable distance as per the direction of the Engineer-in-Charge.	1	Job	8500.00	8500.00
3	Supply and laying of size 4 core x 16sq.mm PVC insulated PVC sheathed armoured underground aluminum cable for power supply to High Mast Fitting including cost of materials, labour, T&P and transportation etc. complete as per direction of the Engineer-in-Charge.	30	Mtr.	310.00	9300.00
4	Cable trenching in all type of soil excepting rocky soil including excavation of earth, bricks laying and filling of sand and loose earth to the original ground level with surface dressing after laying of 01 no. 1.1 K.V. PVC insulated PVC sheathed armoured underground cable of size 4 core x 16sq.mm inside the trench and removal of surplus earth to a lead up to 05 KM as per the direction of the Engineer-in-Charge.	12	Mtr	144.00	1728.00

Number of Corrections :

Number of Overwriting :

Number of Interpolation :

Quotationer

**Executive Engineer, Div.I
Cuttack Municipal Corporation**



5	Supply and laying of 50mm dia HDPE Pipe inside the trench for laying of cable including cost of materials, labour, T&P and transportation as per direction of the Engineer-in-Charge.	12	Mtr.	80.00	960.00
6	Providing and laying un-reinforced plain cement concrete pavement with 43 grade cement with M-20 grade mix with 20mm and down graded screened washed hard black crusher broken granite chips including hoisting, lowering, laying, watering, curring etc. complete as per direction of the Engineer-in-Charge. 1 x 10 Mtrs. x 0.30 Mtrs.x 0.30 Mtrs. = 0.90 cum.	0.9	Cum	4481.10	4032.99
Rupees One Lkah Ninety-Seven Thousand Two Hundred Thirty-One only				Total Estimated cost	197230.99
				OR SAY	197231.00
To be filled in by the Contractor participating in the tender process					
My quoted rate are					
_____ % (_____) Excess					
OR					
_____ % (_____) Less					
Over the estimated cost as put to tender					
Date		Signature of the contractor			

Number of Corrections :

Number of Overwriting :

Number of Interpolation :

Quotationer

**Executive Engineer, Div.I
Cuttack Municipal Corporation**



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BILL OF QUANTITY

Name of the work : Installation of 2 nos. LED Semi High Mast Lights in front of Cardiology Department at Ranihat Medical Road & Red Cross Blood Bank at Mangalabag Road.

Amount put to Tender : 106013.00

E.M.D. to be Deposited : 1100

Cost of Tender Paper : 600

Time of Completion : One Month

Sl. No.	Description of the work proposed for execution	Qty.	Unit	Rate	Amount
1	Supply and erection of 08 Mtrs. long G.I. Tubular Pole (Bottom Specification: 6.00m. Length x 139.70mm. O.D x 4.85mm. Thickness, Top Specification: 2.00m. Length x 88.90mm. O.D x 3.25mm. Thickness) with earth work in excavation of foundation of size 3'-0" x 3'-0" x 3'-0" = 0.76 Cum in all type of soil including rough dressing and leveling the bed etc. complete with transportation, T&P and labour charges as per the direction of the Engineer-in-Charge.	2	No.	9177.00	18354.00
2	Providing and laying un-reinforced plain cement concrete pavement with 43 grade cement with M-20 grade mix with 20mm and down graded screened washed hard black crusher broken granite chips including hoisting, lowering, laying, watering, curring etc. complete as per direction of the Engineer-in-Charge. Upto ground level : 1 x 3'-0" x 3'-0" x 3'-0" = 27.00cft. Couping portion : 1 x 1'-6" x 1'-6" x 1'-6" = 03.37cft. = 30.37cft. (-) Volume of pole up to top of couping : 3.14 x (0'-5½") ² /4 x 4'-6" = (-) 0.71 cft. = 29.66cft. Or Say 0.83 Cum per each	1.66	Cum	4481.10	7438.63
3	Supply of all materials, labour, T&P and transportation for centering and shultering of the couping portion etc. complete as per direction of the Engineer-in-Charge. 4 x 1'-6" x 1'-6" = 9 sq.ft. Or say 0.83 sqm per each	1.66	Sqm	85.50	141.93
4	Supply, fitting and fixing of Coil Earthing etc. complete with transportation, T&P and labour charges as per the direction of the Engineer-in-Charge.	2	No.	152.00	304.00

Number of Corrections :

Number of Overwriting :

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5	Supply and fixing of lighting Fixtures of 90 Watt. LED Street Light having powder coated pressure die-cast Aluminum housing Clear toughened glass having following specification: (i) LED : LM80 certified high power LED, (ii) Lens : Suitable secondary lens for better light distribution, (iii) Gear : Integral, Electronic constant current driver of min. 85% efficiency, (iv) Internal Wiring : Teflon insulated, Cu. Conductor, (v) Hardware : SS & Ms zinc plated & passivated, (vi) Ingress protection : IP66, (vii) Lumen maintenance : 50,000 Hrs @ L70, (viii) Operating temperature : -10°C to 50°C, (ix) Rated voltage & frequency : 240V, 50Hz AC, (x) Wattage : 90 W, (xi) Current : < 0.65A, (xii) Pf : > 0.95, (xiii) Ithd : < 10%, (xiv) Lumen : 8100 lm, (xv) Efficacy : >85lm/W, (xvi) CCT: 5700K, (xvii) CRI : >70, (xviii) Protections: Open & Short circuit protection, reverse polarity protection and surge protection. (Make : BAJAJ/CROMPTON/SURYA/PHILIPS/HPL)	8	Set	8728.00	69824.00
6	Supply and fixing of 4 Arm Bracket having the following specification with welding of 1'-6" medium gauge M.S. Pipe bended at an angle of 120° and top cover of dia 3½" fixing in the top of Tubular pole including cost of materials, labour, T&P and transportation etc. complete as per direction of the Engineer-in-Charge.	2	No.	3400.00	6800.00
7	Supply and stringing of 4Sq.mm twin core PVC insulated PVC sheathed aluminum wire support with No.10 G.I. wire and binding wire including cost of materials, labour, T&P and transportation etc. complete as per direction of the Engineer-in-Charge.	70	Mtr.	45.00	3150.00
Rupees One Lakh Six Thousand Thirteen only				Total Estimated cost	106012.56
				OR SAY	106013.00
To be filled in by the Contractor participating in the tender process					
My quoted rate are					
_____ % (_____) Excess					
OR					
_____ % (_____) Less					
Over the estimated cost as put to tender					
Date		Signature of the contractor			

Number of Corrections :

Number of Overwriting :

Number of Interpolation :

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BILL OF QUANTITY

Name of the work : Conversion of S.V. Flood Light Fittings to LED Fittings of Mini High Mast installed at Sikharpur Traffic Chhak.

Amount put to Tender : 117140.00

E.M.D. to be Deposited : 1200

Cost of Tender Paper : 600

Time of Completion : One Month

Sl. No.	Description of the work proposed for execution	Qty.	Unit	Rate	Amount
1	Supply and fixing of lighting Fixtures of 200 Watt. LED Flood Light with pressure die cast housing with individual LEDS with modular secondary optics and IP 66 protection having following specification as per the direction of the Engineer-in-Charge: (i) LED : LM80 certified high power LED, (ii) Lens : Suitable secondary lens for better light distribution, (iii) Gear : Integral, Electronic constant current driver of min. 85% efficiency, (iv) Internal Wiring : Teflon insulated, Cu. Conductor, (v) Hardware : SS & Ms zinc plated & passivated, (vi) Ingress protection : IP66, (vii) Lumen maintenance : 50,000 Hrs @ L70, (viii) Operating temperature : -10°C to 50°C, (ix) Rated voltage & frequency : 240V, 50Hz AC, (x) Wattage : 200 W, (xi) Current : < 0.65A, (xii) Pf : > 0.95, (xiii) Ithd : < 10%, (xiv) Lumen : 18000 lm, (xv) Efficacy : >85lm/W, (xvi) CCT: 5700K, (xvii) CRI : >70, (xviii) Protections: Open & Short circuit protection, reverse polarity protection and surge protection. (Make : BAJAJ/CROMPTON/SURYA/PHILIPS/HPL)	6	No.	19190.00	115140.00
2	Mechanic Charge for dismantling existing old Flood Light Fittings with delivery to CMC Store and complete fixing of above Flood Light Fittings, testing etc. and after fixing & testing, raising the same as a suitable distance as per the direction of the Engineer-in-Charge.	1	Job	2000.00	2000.00
Rupees One Lakh Seventeen Thousand One Hundred Forty only				Total Estimated cost	117140.00
				OR SAY	117140.00
To be filled in by the Contractor participating in the tender process					
My quoted rate are					
_____ % (_____) Excess					
OR					
_____ % (_____) Less					
Over the estimated cost as put to tender					
Date			Signature of the contractor		

Number of Corrections :

Number of Overwriting :

Number of Interpolation :

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BILL OF QUANTITY

Name of the work : **Conversion of S. V. Fitting to LED Fitting of High Mast installed at Phulanakhara Chhak.**
Amount put to Tender : **181210.00** E.M.D. to be Deposited : **1900**
Cost of Tender Paper : **600** Time of Completion : **One Month**

Sl. No.	Description of the work proposed for execution	Qty.	Unit	Rate	Amount
1	Supply and fixing of lighting Fixtures of 200 Watt. LED Flood Light with pressure die cast housing with individual LEDS with modular secondary optics and IP 66 protection having following specification as per the direction of the Engineer-in-Charge: (i) LED : LM80 certified high power LED, (ii) Lens : Suitable secondary lens for better light distribution, (iii) Gear : Integral, Electronic constant current driver of min. 85% efficiency, (iv) Internal Wiring : Teflon insulated, Cu. Conductor, (v) Hardware : SS & Ms zinc plated & passivated, (vi) Ingress protection : IP66, (vii) Lumen maintenance : 50,000 Hrs @ L70, (viii) Operating temperature : -10°C to 50°C, (ix) Rated voltage & frequency : 240V, 50Hz AC, (x) Wattage : 200 W, (xi) Current : < 0.65A, (xii) Pf : > 0.95, (xiii) Ithd : < 10%, (xiv) Lumen : 18000 lm, (xv) Efficacy : >85lm/W, (xvi) CCT: 5700K, (xvii) CRI : >70, (xviii) Protections: Open & Short circuit protection, reverse polarity protection and surgeprotection. (Make : BAJAJ/CROMPTON/SURYA/PHILIPS/HPL)	9	No.	19190.00	172710.00
2	Mechanic Charge for lowering of High Mast, dismantling existing 9 nos. S. V. Fittings with delivery to CMC Store and complete fixing of above Flood Light Fittings, testing etc. and after fixing & testing, raising the same as a suitable distance as per the direction of the Engineer-in-Charge.	1	Job	8500.00	8500.00
Rupees One Lakh Eighty-One Thousand Two Hundred Ten only				Total Estimated cost	181210.00
				OR SAY	181210.00
To be filled in by the Contractor participating in the tender process					
My quoted rate are					
_____ % (_____) Excess					
OR					
_____ % (_____) Less					
Over the estimated cost as put to tender					
Date		Signature of the contractor			

Number of Corrections :

Number of Overwriting :

Number of Interpolation :

Quotationer

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BILL OF QUANTITY

Name of the work : **Supply, installation and commissioning of Close Circuit TV HD Camera System (CC TV) at B. P. Central Library, CMC.**

Amount put to Tender : **197694.00**

E.M.D. to be Deposited : **2000**

Cost of Tender Paper : **600**

Time of Completion : **One Month**

Sl. No.	Description of the work proposed for execution	Qty.	Unit	Rate	Amount
1	Supplying of Night Vision HD Camera, 20 meters, Bullet, 3.6 mm lens, 2.0 Mp Auto Tracking White Balance, 1080 P, Backlight Compensation, High Light Compensation, Adaptive Tone Reproduction, Surge protection etc. complete with transportation, T&P and labour charges as per the direction of the Engineer-in-Charge	2	No.	5015.00	10030.00
2	Supplying of Night Vision HD Camera, 20 meters, Dome, 3.6 mm lens, 2.0 Mp Auto Tracking White Balance, 1080 P, Backlight Compensation, High Light Compensation, Adaptive Tone Reproduction, Surge protection etc. complete with transportation, T&P and labour charges as per the direction of the Engineer-in-Charge	14	No.	4543.00	63602.00
3	Supplying of 16 Channel Professional Stand 1080 P, Alone Real Time Digital Video Recorder without hard Disk for recording with date and time details for 16 nos. of cameras Main Profile Compression, 2 channel D1, Dual Stream, USB backup VGA option etc. complete with transportation, T&P and labour charges as per the direction of the Engineer-in-Charge	1	No.	17700.00	17700.00
4	Supplying of 16 Channel Regulated Power Supply Adopter for above CCTV HD Camera (Wide operating range of AC Main supply, Spikes suppression for Hi-Voltage Spikes), 20 SMPS etc. complete with transportation, T&P and labour charges as per the direction of the Engineer-in-Charge	1	No.	2950.00	2950.00
5	Supply and installation of 600 VA Surveillance UPS etc. complete with transportation, T&P and labour charges as per the direction of the Engineer-in-Charge	1	No.	1888.00	1888.00

Number of Corrections :

Number of Overwriting :

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6	Supplying of 4 TB, Surveillance Hard disk (Heavy Duty, Designed for 24 hours running) etc. complete with transportation, T&P and labour charges as per the direction of the Engineer-in-Charge	1	No.	14750.00	14750.00
7	Supplying of Video - Power 3+1 CCTV cables with cable connector, BNC & DC Pins etc. complete with transportation, T&P and labour charges as per the direction of the Engineer-in-Charge	745	Mtr.	66.00	49170.00
8	Supplying of 32" HD LED Monitor etc. complete with transportation, T&P and labour charges as per the direction of the Engineer-in-Charge.	1	No.	23680.00	23680.00
9	Supply and fixing of wall mounted 6U Metallic Rack for Digital Video Recorder (DVR) etc. complete as per the direction of the Engineer-in-Charge.	1	Set	4484.00	4484.00
10	Installation and commissioning Charge for CC TV Camera etc. complete as per the direction of the Engineer-in-Charge	16	No.	590.00	9440.00
Rupees One Lakh Ninety-Seven Thousand Six Hundred Ninety-Four only			Total Estimated cost		197694.00
			OR SAY		197694.00
To be filled in by the Contractor participating in the tender process					
My quoted rate are _____% (_____) Excess OR _____% (_____) Less Over the estimated cost as put to tender					
Date			Signature of the contractor		

Number of Corrections :

Number of Overwriting :

Number of Interpolation :

Quotationer

**Executive Engineer, Div.I
Cuttack Municipal Corporation**