



**CHHATTISGARH STATE RENEWABLE ENERGY DEVELOPMENT AGENCY**  
**(CREDA)**

(Dept. of Energy, Govt. of Chhattisgarh)

**Regional Office**

Near Urja Park, Gaurav Path Road, Rajnandgaon (C.G.)

Website: www.creda.co.in

**TENDER NO. 5344/CREDA/RO/2018-19**

**DATE:- 28.02.19**

**LIMITED TENDER FOR SUPPLY, INSTALLATION OF ENERGY EFFICIENT LED STREET LIGHTS, BEE CERTIFIED 5 STAR RATED AT GRAM PANCHAYATS AMLESHWAR OF DIST. DURG (CHHATTISGARH)**

Cost of Tender Document ( Non-Refundable)	Rs.1000/-
Last Date & Time of Submission of Tender Document	11-03-2019 till 2.00PM at CREDA Regional Office, Gourav Path, Energy Education Park, Rajnandgaon (C.G)
Date of Opening of Technical Bids	12-03-2019 from 2.00PM onwards at CREDA Regional Office, Gourav Path, Energy Education Park, Rajnandgaon (C.G)
Date of Opening of Financial Bids	12-03-2019 from 2.00PM onwards at CREDA Regional Office, Gourav Path, Energy Education Park, Rajnandgaon (C.G)

**Executive Engineer**  
R.O., CREDA, Rajnandgaon



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# CHHATTISGARH STATE RENEWABLE ENERGY DEVELOPMENT AGENCY (CREDA)

(Dept. of Energy, Govt. of Chhattisgarh)

Regional Office,

Near Urja Park, Gaurav Path, Rajnandgaon (C.G.)

Ref. No.5344/CREDA/RO/2018 -19

Date : 28.02.2019

## SHORT NOTICE INVITING LIMITED TENDER

CREDA invites limited sealed tenders only from Original Equipment Manufacturers or authorised distributors or System Integrators or Experienced Vendors currently registered in CREDA for Supply, Installation of Energy Efficient 18W LED street Lights, BEE certified 5 Star rated at Gram Panchayats Amleshwar of Distt.- Durg (Chhattisgarh) as per following detail:-

Sr. No	Item Description	Approximate Quantity*	Cost of Tender Document	EMD	Essentials
01.	Supply, Installation of Energy Efficient 18W LED street Lights with warrantee of 02 Years	100 Nos.	Rs.1000/-	Rs.5000/-	<i>*For details please refer the eligibility criterias of the bid documents.</i>
<b>Estimated Value of Tender Rs. 2.51 Lac</b>					

- Only those Original Equipment Manufacturers or authorised distributors or System Integrators or Experienced Vendors who are registered with CREDA till 31<sup>st</sup> March 2019 are eligible to participate in this tender.
- The tenderer/bidder can obtain the hard copy of tender document from CREDA, Regional Office(RO), Gourav Path, Energy Education Park, Rajnandgaon (C.G) by depositing Rs.1000/- (Rupees One Thousand Only)(Non-Refundable) towards tender document cost through demand draft (DD) in favour of "CREDA" payable at Rajnandgaon (C.G). The tender document can be obtained from date ..... to date 11-03-2019 till 02.00PM.
- The Bidder has to deposit the copy of receipt of tender document cost issued by CREDA,RO, Rajnandgaon along with Rs.5,000/- (Rupees Five Thousands Only) (Refundable) towards Earnest Money Deposit (EMD) through Demand Draft (DD) in favour of "CREDA" payable at Rajnandgaon(C.G) while submitting tender.
- The last date and time for submission of tender document with samples complete in all respect at CREDA, Regional Office(RO), Gourav Path, Energy Education Park, Rajnandgaon (C.G) is: **11-03-2019 till 02.00PM.**
- The Technical & Financial bids shall be opened at CREDA Regional Office, Gaurav Path Energy Education Park, Rajnandgaon (C.G.).
- CREDA reserves all rights to accept/reject any or all tenders in full/part without assigning any reasons.
- Bidder will have to submit all the certificate and test report required for tender at the time of purchase the document tender.

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R.O., CREDA, Rajnandgaon

## CHECK LIST

To ensure that your tender submitted to CREDA is complete in all respects, please go through the following checklist & tick mark for the enclosures attached with your tender:

Sr. No.	Description	Attached	Not Attached
1 (a)	Tender Document Fee (proof of submission:- copy of receipt of tender document cost)		
1 (b)	EMD(proof of submission)		
2	The original document duly signed & sealed on each page, as a confirmation of acceptance of Terms & Conditions (T&C)		
3	Copy of Registration certificate of CREDA as Original Equipment Manufacturer or System Integrator or Experienced Vendor valid till 31 <sup>st</sup> March 2019		
4	Copy of authorization letter duly signed & sealed from the Original Equipment Manufacturer for particular tender( in case System Integrator or Experienced Vendor or authorised distributor to bid in the tender).		
5	Turn Over Certificate duly signed by Chartered Accountant for last 3 year		
6	Copy of UL approved Test Certificates/reports of the LED Street lights & LED Tube lights		
7	Proof of in house NABL accredited test laboratory & other required test reports		
8	Proof of being described items authorized supplier or Dealer or Manufacturer		
9	Completion and Performance Certificates of described items installed by the Bidder in Govt. Scheme of any state or CREDA		
10	Copy of BEE certification & other required certificates for 5 star rated ceiling fan Separately		
11	Copy of electrical contractor license valid for FY 2018-19 & 2019-2020.		

### Details of Tender Document Fees&EMD

S. No.	Description
1	<p><b><u>Tender Document Fee</u></b></p> <p>The Tender Document Fee of 1000/- (Rupees One Thousand only) has been submitted in the form of Demand Draft drawn on .....Bank, ..... Branch, bearing DD No.....dated..... at CREDA, Regional Office(RO), Gourav Path, Energy Education Park, Rajnandgaon (C.G) on date..... &amp; the receipt no. is..... dated.....</p>
2.	<p><b><u>EMD</u></b></p> <p>Earnest Money Deposit (EMD) of 5,000/- (Rupees Five Thousand only), submitted in the form of Demand Draft drawn on .....Bank, ..... Branch, bearing DD. No.....dated.....is attached herewith.</p>

**(Sign & Seal of the Bidder)**

## **UNDERTAKING OF THE TENDERER**

I/We have read carefully and examined the notice inviting tender, schedule, General Rules and terms and conditions of the contract, special conditions, Schedule of Rates and other documents and Rules referred to in the tender document for the supply.

I/We hereby tender my rates for the execution of the work for CREDA as specified within the time stipulated in the schedule in accordance with all aspects with the specifications, designs, drawings and instructions with such conditions so far as applicable.

I/We agree to keep the tender valid for Thirty (30) days from the due date of submission thereof and not to make any modifications in its terms and conditions.

A sum of Rs 5,000/- is hereby forwarded as earnest money in the form of crossed demand draft payable to CREDA at Rajnandgaon (C.G.). If I/We, fail to commence or complete the sanction ordered in specified time I/We agree that the CREDA shall, without prejudice to any other right or remedy, be at liberty to forfeit the said Earnest Money absolutely. The said Earnest Money shall be retained by CREDA towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be required by CREDA.

I/We have thoroughly examined the present site conditions, the quality of power being supplied, etc. and are confident of the suitability of our product/s for the project.

I/We hereby declare that I/We shall treat the tender documents, specifications and other records connected with the work as secret/confidential and shall not communicate information derived therefrom to any person other than a person to whom I/We have authorized to communicate the same or use the information in any manner prejudicial to the safety of CREDA/Government.

I/We shall abide to all the laws and shall be responsible for making payments of all the taxes, duties, levies and other Govt. dues etc. to the appropriate Govt. departments.

Our GST registration No. \_\_\_\_\_ . The PAN No. under the Income Tax Act is \_\_\_\_\_

I/We shall be responsible for the payment of the respective taxes to the appropriate authorities and should I/we fail to do so, I/we hereby authorize CREDA to recover the taxes due from us and deposit the same with the appropriate authorities on their demand.

Dated:

Signature

Place:

Name of Tenderer with seal

Witness

Signature:

Name:

Postal Address:

## **ELIGIBILITY & PRE-QUALIFICATION CRITERIA**

1. Original Equipment Manufacturers or System Integrators or Vendors registered in CREDA till 31<sup>st</sup> March 2019 are only eligible to participate. A copy of registration with CREDA should be enclosed.
2. Authorised dealer or supplier of CREDA registered Original Equipment Manufacturer or System Integrator or Experienced Vendors can also participate in this tender subject to condition that a copy of authorization letter duly signed & sealed from the Original Equipment Manufacturer or System Integrator or Experienced Vendor should be submitted by the bidder.
3. Bidder should have experience of minimum direct Supply and Installation of 300 nos. of each described items under a Govt. Scheme of any state or CREDA in the last 5 years i.e. FY 2012-13 to 2017-18. (Experience in terms of works done for other private / non Govt. companies / firms etc. shall not be considered.). Bidder have to submit Work Order, Performance Certificate, completion Certificate issued by Govt. Department / Govt Union Territory / CREDA.
4. Bidder should have an overall annual turnover of Rs.05 crore in LED street lights, LED Tube lights & Ceiling fans business taken in together in last three Financial Years i.e. FY 2015-16, FY 2016-17 & FY 2017-18. Bidder will have to submit audited copy of balance sheet / turn over certified by a registered chartered accountant as a proof for the same.
5. Bidder should have the Class-A electrical contractor license issued by Chief Electrical Inspector, Govt. of Chhattisgarh valid for FY 2018-19 & 2019-20 for installation of street lights, tube lights & ceiling fans at sites. A copy of which should be enclosed.
6. A copy of authorised dealer / supplier / manufacturer of the described items should be enclosed by the bidder.
7. The Bidder should have valid GST registration certificate. A copy of which should be enclosed.
8. Bidders / System integrator whose registration has been suspended by CREDA due to bad performance or other reasons shall not be eligible to participate.
9. Any information / data submitted / rendered by the applicant / bidder if found false / forged / wrong would entitle CREDA to reject / cancel the bid submitted by bidder.
10. The Bidder should not have been debarred from any Central / State Govt. Departments / Agencies / Boards / Corporations / PSUs.
11. The Bidder shall submit the test report / certificates of the 5 star rated Ceiling fan certify by BEE. The bidder should submit the latest UL test reports of LED street lights & LED Tube lights of last 06 months from the date of submission of bids.
12. Copies of BEE certification of 5 star rated for ceiling fan should be enclosed separately which should clearly mention the consumption wattage, sweep, air delivery, speed & should match as per technical details. The test certificate approved by Govt. approved Lab for the material of construction of ceiling fan should be submitted by the bidder.
13. EMD shall have to be deposited through bank DD in the name of "CREDA" payable at Rajnandgaon & copy of receipt of tender document fee should be enclosed. No tender shall be considered without requisite Tender Document Fees and EMD and would be treated as invalid proposal. There shall be no liability on CREDA to pay any interest on the EMD.
14. Any relaxation / exemption sought by bidders regarding Tender Document Fees and / or EMD shall not be considered i.e. there is no exemption to any category of bidders from Tender Document Fees and EMD.
15. The bidder should have in house NABL accredited test laboratories for LED street lights & LED Tube lights. The bidder should submit also in house NABL accredited test laboratories certification / test reports of LED street lights & LED Tube lights & other required test reports.

## GENERAL TERMS & CONDITIONS AND INSTRUCTIONS TO BIDDERS

### 1. DEFINITION OF TERMS

In writing these General Conditions of Contract, the specification and bill of quantity, the following works shall have the meanings hereby indicated unless there is something in the subject matter or content inconsistent with the subject.

“CREDA” shall mean the Chhattisgarh State Renewable Energy Development Agency represented through the Chief Executive Officer.

“BEE” shall mean the Bureau of Energy Efficiency, Ministry of Power, Govt. of India.

CREDA Engineer shall mean any Engineering person or personnel authorized by CREDA for rate Contract.

“General Conditions” shall mean these General conditions of Contract.

"Contractor" shall mean the successful bidder awarded with the contract.

“Contract Price” shall mean the sum named in or calculated in accordance with the provisions of the contract as the contract price.

"Month" shall mean calendar month.

"Writing" shall include any manuscript, typewritten; printed or other statement reproduced in any visible form whether under seal or under hand.

"Contract" shall mean and include the General conditions, specifications, schedules, drawings, supply orders, issued against the contract schedule of price or their final general conditions, any special conditions applying to the particular contract specification and drawings and agreement to be entered into. Terms and conditions not herein defined shall have the same meaning as are assigned to them in the Indian contract Act.

“Work” shall mean supply and installation of LED Street lights, LED tube lights & BEE 5 star rated ceiling fans.

2. The hard copy of tender document can be obtained from CREDA, Regional Office(RO), Gourav Path, Energy Education Park, Rajnandgaon (C.G) by depositing Rs.1000/- (Rupees One Thousand Only) (Non-Refundable) towards tender document cost through demand draft (DD) in favour of “CREDA” payable at Rajnandgaon (C.G). The tender document can be obtained from date ..... to date 11-03-2019 till 02.00PM. A receipt of tender document cost will be issued to the bidder by the office after depositing the tender document cost.
3. Tenders should only be dropped in the tender box kept in the office of **CREDA, Regional Office, Rajanadgaon during office hours of the working days**. The last date and time for submission of tender document complete in all respect is: **11.03.2019 till 02.00PM**. Tenders received after the time and date shall not be considered. Covers should invariably be super-scribed “**Tender No 5344 for Supply & Installation of Energy Efficient LED Lights & Fans**” and sealed. The Technical bid & Financial bid of the tenders will be opened at **2.00PM onwards on 12-03-2019** in CREDA Regional Office(RO), Gourav Path, Energy Education Park, Rajnandgaon (C.G).
4. The Bidder is expected to examine all instructions, forms, terms and specifications as mentioned in the Bid document. Failure to furnish all information required by the Bid documents or submission of a bid not substantially responsive to the Bid Document in every respect will be at the Bidder's risk and is likely to result in out-right rejection of the Bid.

3. Bid Submission: Bid shall contain three envelopes, as per following:

(i) Envelope No.1: This should contain proof of tender Document Fees deposited i.e. the receipt of tender document cost& EMD, Annexures, completed Tender Form with Sign & Seal on each page, and all other documents required as per the Tender documents. This envelope should be sealed & super-scribed "**Technical Bid forTender No. 5344 for Supply & Installation of Energy Efficient LED Lights & Fans**" and addressed to S.E. CREDA, Durg.

(ii) Envelope No. 2: This should contain Price Bids in the prescribed format and sealed properly. The envelope should be captioned as "**Financial Bid forTender No. 5344 for Supply & Installation of Energy Efficient LED Lights & Fans**". The Bidder's name must be indicated on the top left corner of the envelope.

(iii) Envelope No.3: This envelope should contain sealed Envelope No.1 & Envelope No.2. This envelope should be properly sealed. The envelope should be captioned as "**Technical &Financial Bid forTender No. 5344 for Supply & Installation of Energy Efficient LED Lights & Fans**".Samples of the quoted item should also be submitted with the bids documents on 04-03-2019 from 11.00AM up to 01.00PM at CREDA Regional Office, Rajnandgaon. Tenders of those bidders shall not be opened who have not submitted the samples of the quoted item. Furthermore, the bidder should submit samples relevant to the requirements of the tender and no change of sample shall be allowed post submission. The bidder shall have to submit test certificate of the submitted samples.

**(iv) Financial bid of only those bidders who are found qualifying based on eligibility Criteria, will be opened by the bid opening authority after scrutinising the technical bid. The financial bid of disqualified bidders will not be opened.**

(v) Detailed scrutiny of the components of the bids may take some time as it involves asking clarification or compliance with bid documents. It may be or may not be possible to open the financial bid on the stipulated day. Opening of Financial Bid will be communicated by the CREDA Regional Office, Rajanadgaon if further extended and it shall be opened in the presence of those Bidders who were found eligible for financial Bid opening.

(vi) The intended bidders are requested to inspect & get knowledge of electrical networkat the project site, if required, before submitting the offer. The bidder shall be deemed to have carefully examined the work and site conditions including labour, the general and special conditions, the job requirements, schedules of equipments and drawings and shall be deemed to have visited the site of work, to have fully informed himself regarding the local conditions and carried out his own investigations to arrive at the matter concerning the contract he shall in good time, before submitting his bid, ascertain the particulars thereof by contacting the concerned officials before bidding.

4. Full descriptive particulars and complete specifications should accompany the offer. Bids shall remain valid for a period of 30 days after the closing date prescribed by the CREDA for the receipt of bids. A bid valid for a shorter period may be rejected by the CREDA as being non responsive. In exceptional circumstances, the CREDA may solicit the bidder's consent to an extension of the bid validity period. The request and response thereto shall be made in writing through a formal letter. If the bidder accepts to prolong the period of validity, the EMD shall also be suitably extended. A bidder may refuse the request for Bid Validity Extension without forfeiting its bid security. A bidder granting the request will not be required nor permitted to modify its bid.



5. The terms and conditions and specifications mentioned in tender specifications shall be binding on the Bidders and no condition or stipulation contrary to the conditions shall be applicable. The offers of the Bidders, who do not accept terms and conditions stipulated in this tender specifications, shall be liable to be out rightly rejected without assigning any reason whatsoever.
6. Each page of tender document & enclosures shall be signed by the Bidder and affix the seal. All the pages of the documents issued must be submitted along the offer.
7. CREDA reserves the right to:
  - (i) To reject any or all tenders in part or full or to accept any tender considered advantageous to CREDA / Project whether it is the lowest tender or not.
  - (ii) To split the quantities against the tender among more than one bidder for the same items / work, if required.
  - (iii) **CREDA may split the work among eligible bidders on approved rates, if required. No reason will be assigned by CREDA for this and will be binding on the bidders. CREDA may procure tendered items for other projects also on the approved rates, if required.**
8. In case of any corrections / alterations done in the tender, the Bidders should sign the same; otherwise tenders may not be considered.
9. Submission of Bid document does not indicate that Bidder is qualified for awarding the work or contract.
10. Offers through Telegraph/ Fax /Emails or open offer received will not be considered and summarily rejected.
11. All the Bidders shall essentially indicate the break-up of prices as stated in tender form. In case any of the charges are not included in the quoted prices, the same shall be clearly shown as extra, indicating specifically the rate/scale of such charges. Bidders should mention the amount in figures as well as words. In case of discrepancy while quoting rates in words or figure, rate whichever is lower shall be considered.
12. Right is reserved to revise or amend the contract documents fully or part thereof prior to the date notified or amended for the receipt of Bid. Such deviations, amendments, if any, shall be communicated in the form of corrigendum in Notice board of CREDA Regional Office, Rajnandgaon.
13. **(i)** All the taxes and duties imposed by the Government from time to time shall be borne by the contractor. Bids once submitted shall not be taken back. If the Bidder wishes to withdraw their Bid, in that case, the EMD shall be forfeited.  
**(ii)** The EMD of the successful bidder(s) shall be kept as **Performance Security** till completion of the warrantee period.  
**(iii)** The EMD of unsuccessful bidders will be returned as promptly as possible after the award is made to lowest evaluated technically acceptable bidder.  
**(iv)** The EMD of bidders may be forfeited if the bidder withdraws its bid during the period of bid validity as specified in the bid.
14. (i) The prices quoted should be firm and F.O.R. Gram Panchayats of Distt. Rajnandgaon, Kabirdham, Durg & Bemetera (Chhattisgarh) including all applicable taxes, GST, duties and any other incidental charges. **The prices would be compared on the landing cost (inclusive of all taxes).**

15. The bidder shall be responsible for all legal obligations such as taxation and registration under the relevant Acts, and also for all legal obligations of different kinds.

16. Conditional tenders and canvassing whether directly or indirectly shall be liable to rejection.

17. CREDA reserves all rights to reject any or all the tenders partly or wholly without assigning any reason.

**18. PAYMENT TERMS:-**

(A) 90% after successful completion of allotted work as per subsequent inspection by CREDA.

(B) Balance 10% after two year for satisfactory working of supply item, however this balance 10% payment may also be released after completion of work and as per subsequent inspection by CREDA against Bank Guarantee/FDR of equivalent amount of any Nationalized Bank for a period of two year.

The above rates should be inclusive of Excise, insurance, freight, loading, unloading, transportation and including all GST applicable.

**19. FIXATION OF RATES AND AWARD OF WORK:-**

- Rates shall be decided on the basis of analysis of quoted prices by eligible bidders and reasonability. The Lowest price quoted bidder/bidders shall be called for consent and subsequent agreement made on item wise lowest approved rates by tender committee. Bids shall be evaluated on the basis of rates without GST. However, CREDA reserves the rights to amend the above conditions and may allot the work to the other bidders to complete the work on time.
- CREDA retains right to negotiate rates with L-1 Bidder.
- L-1 Rates or the rates approved by CREDA will be considered as the final rate of the project.
- Conditional bids shall not be accepted.
- Eligible tenderer should have to submit the cost breakups and details of all type of taxes (All GST etc.) with tender Documents.

**20. WARRANTY:-**

- 02 Years from the date of completion of work against any manufacturing/ installation defect. Unconditional onsite warranty should be provided for manufacturing defects and assure inventory for maintenance.

**21. TEST CERTIFICATES:-**

- **Bidders must submit the BEE certification test certificate for 5 star rating ceiling fan which should clearly show the air delivery, consumption wattage, sweep & speed.**
- **Test certificates for material of construction of fan approved by Govt. certified Labs should be submitted at the time of submitting bids.**
- **The Bidder shall submit the required test reports/certificates mentioned in the Technical Specification of this tender.**
- **Bid submitted without specified certificates or test reports will not be considered and rejected.**

**22. PENALTY FOR DELAY IN COMPLETION OF CONTRACT:-**

If the contractor fails to complete the order within the phased delivery schedule specified in the work order or any extension granted there to, CREDA will recover from the contractor as penalty a sum of one percent (1%) of the contract price of the uncompleted portion of the work each calendar week delay. The total penalty shall not exceed 10% (Ten percent) of the contract price of the uncompleted portion of work.

**23. EXTENSION IN SCOPE OF WORK:-**

Up to 40% extension in work quantity can be awarded which will be binding on bidder up to 1 year from the date of award.

(Sign & Seal of the Bidder)

## **CONTRACTORS DEFAULT LIABILITY**

(i) CREDA may upon written notice of default to the Contractor terminate the contract in circumstances detailed hereunder:

(a) If in the judgment of the CREDA, the contractor fails to supply the items within the time specified in the work/supply order or within the period for which extension has been granted by CREDA to the contractor.

(b) If in the judgment of CREDA, the contractor fails to comply with any of the provisions of the work / supply order.

(c) If in the event CREDA does not terminate the work/supply order, as provided in paragraph (a) the contractor shall continue implementing the work/supply order, in which case he shall be liable to pay penalty for delay as set out in this tender until the work is completed.

(ii) The materials shall pass the test and/or analysis required which will be:

- As specified in the specification for the item in the tender.

- I.S.I. & B.E.E Specification

(iii) In the event of any of the material supplied / work done by the Contractor is found defective in material or workman ship or otherwise not in conformity with the requirement of this contract specifications, CREDA shall either reject the material and / or work and advise the Contractor to rectify the same. The Contractor on receipt of such notices rectify or replace the defective material and rectifies the work free of cost.

(v) During course of warrantee period, if Contractor fails in attending the defects within 72 hrs, a penalty of Rs.100.00 (Rupees Hundred Only) per day per fixture shall be charged to Contractor and recovered from the work order value/ Performance Security.

(viii) Defective materials will not be accepted under any conditions and shall be rejected outright without compensation. The contractor shall be liable for any loss/damage sustained by CREDA due to defective work.

(ix) The Contractor shall replace the defective material at his own expenses to the satisfaction of CREDA during the warranty period.

(x) CREDA may send the samples for testing at NABL/ Govt. approved test labs pre and / or post commissioning of the project. The cost of testing of the samples shall be borne by the contractor. If any bidder denies bearing the testing cost of their sample, then such bidder shall be treated as disqualified in the tender. If the submitted sample does not confirm the technical requirement of the tender & if any case re-testing of the sample is required, then the additional testing cost has to be borne by the concerned bidder.

**(xi)** The Contractor shall not be eligible for any claim or compensation either arising out of any delay in the work or due to any corrective measures required to be taken on account of and as a result of testing of the materials.

**(xii)** The Contractor shall not be liable for any penalty for delay or for failure to perform the contract for reasons of FORCE MAJEURE such as Act of God, acts of public enemy, acts of government, cyclone fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes provided that the contract, shall within 10 (ten) days from the beginning of such delay notice to CREDA in writing of the cause of delay. CREDA shall verify the facts and may grant such extension as facts justify.

(xiii) All the workers or employees deployed by the Contractors shall consider the employees of Contractor and CREDA shall not have any liability what so ever in nature in regard to such workers/employees.

(xiv). The Contractor shall indemnify and keep indemnified CREDA against:

(a) Any claim arising out of third party loss/ damage to life or property caused by/ during execution of the work.

(b) Any claim arising out of loss/ damage to the workmen engaged by the Contractor during execution of the work.

(c) Any claim due to non-compliance of applicable PF/ Labour laws, ESI, Regulations, Minimum Wages Act, etc.

## **SCOPE OF WORK**

### **(1) Supply, Installation & Commissioning of Energy Efficient 18w LED Street Lights luminaries with lamps :-**

- The contractor has to Supply, Install & Commissioning of total 910nos. of 18w LED street lights by replacing existing street lights of CFL, tube lights, LED bulbs as per details tabulated below.

Sr.No.	Location/Site	District	Quantity (nos.)
1.	Amleshwar Gram Panchayat	Durg	100
<b>Total</b>			<b>110</b>

- The LED Street Lights along with fixture, supplied by the Contractor should be guaranteed for satisfactory operation and against any defect in material and workmanship for a period of **02years** from the date of supply. Any defect arising during the warrantee period shall be the responsibility of the contractor and he shall replace or repair the same without any charges.
- **The Contractor shall have to engage only those subcontractors who are licensed electrician / wireman authorized by Chief Electrical Inspector, Govt. of Chhattisgarh for installation & commissioning of street lights. It would be necessary for the Contractor to provide safety equipments to their employee/ staff / associates.**

(2) The scope of work shall also includes the followings:

- Detailed planning of time bound smooth execution of project.
- supply, installation & commissioning of deccribed items of required capacities as per Technical specifications approved by CREDA,
- Providing User Manuals and Warrantee Cards to beneficiaries.
- Contractor shall have to submit JCCs within 15 days of Installation and Commissioning of described items in District Office of CREDA.
- Unconditional onsite warrantee for manufacturing defects for Two years faultless operation, assure inventory for maintenance.
- Providing Prompt Service Facilities to customers/ beneficiaries.
- Risk liability of all personnel associated with implementation and realization of the project.
- Training of at least two persons nominated by Each Distt, office of CREDA, on the various aspects of design and maintenance of the offered system after commissioning of the system. The contractor shall maintain sufficient inventory of the spares to ensure that the system can be made functional within 7 days from the communication of breakdown of the system during currency of the warrantee period.

## TECHNICAL SPECIFICATIONS

### 1. Energy Efficient 18w LED Street Lights:-

The 18w LED street lights must be of following specifications:-

- The LED street lights should have IP 66 or more protection. The LED circuit & the driver compartment should be easy to access.
- 3 output copper wires (Phase, Neutral, Earth) each of minimum half meter length.
- The luminary made of Pressure Die Cast Aluminum (ADC 12) housing with corrosion resistant polyester powder coating & safety as per IEC60598. Good thermal management system should be provided to dissipate the heat to ambient air and block any accumulation of dust / water. Luminary equipped with distortion free, clear, heat resistant, toughened and UV stabilized glass / Polycarbonate cover.
- The luminary body temperature should not exceed 50°C from ambient after 24 hours of continuous operation & impact resistance  $\geq$  IK05 (Test report from NABL should be attached)
- Constant current & voltage internal driver (preferably Plug & Play type) with protection of minimum 5kV internal surges & 10kV external surge ; In-built protection against over voltage. Driver Test certificate should be submitted for protection of minimum 5kV internal surges & 10kV external surge.
- The Drivers & luminaries should meet BIS standards. Bidder should include documents for the same.
- LED make should be of CREE, OSRAM, NICHIA. The agreement copy of purchase of LED manufacturer of these make should be submitted.

Parameters	Specifications	Applicable IS	Documents to be submitted
Total System Wattage	Max. 18w		NABL test report
LED Assembly	SMD LED Chips mounted on Copper MCPCB where the base metal is of Aluminium	LM80 / 16106	LED technical data sheet including packaging details
LED Make	CREE, OSRAM, NICHIA	LM80	LM 80 report
LED Driver Current	350 - 1000 mA		NABL test report
Luminary Housing	Suitable for side entry mounting or 30mm to 50mm OD pipe bracket complete with bracket & locking bolt		
Lumen output	130 lm/ watt		NABL test report & LM 79 latest test report from UL Lab & which older than 06 month
Operating voltage	90-320v		
CRI	More than 80		
LED burning hour	50000 hours		
THD	<10%		
Power factor	0.9		
Secondary optics with batwing photometry certificate for uniform distribution			
Photo biological safety test report should be submitted for LED for human eye safety			
OHSAS certificate for health & safety should be submitted			

**Executive Engineer**  
R.O., CREDA, Rajnandgaon

## PAST EXPERIENCE

From:

Bidder's Name & Address: -

To,

The EE,

CREDA, RO,

Rajnandgaon(C.G.)

**Sub: - Performance/past experience.**

Dear Sir,

We furnish herewith the record of our performance and experience as follows:-

S.No.	Purchaser's Name & Address	Order No. Date	Ordered Quantity	Qty. supplied (Nos.)	Value of Order
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PLACE

SIGNATURE OF TENDERER

DATE

NAME IN FULL

DESIGNATION/STATUS

FIRM/COMPANY SEAL

**\*NOTE:** -Photocopy of the orders & performance reports received from other State Agencies/Govt. Undertakings etc. should be enclosed.

**DRAFT OF AGREEMENT**

This agreement made on this day \_\_\_\_\_ of month \_\_\_\_\_ (year) 2019 between M/s \_\_\_\_\_ (NAME OF COMPANY) herein after called as "**Contractor**" ( Which expression shall unless excluded by or repugnant to the context , include its successor Rs , heir, executors , administrative representative and assignee) through Shri ..... son of Shri ....., duly authorized by the contractor to sign this agreement on its behalf, of the one part & **Chhattisgarh State Renewable Energy Development Agency , Rajnandgaon** hereinafter referred to as the "**CREDA**" , through Shri \_\_\_\_\_ son of Shri \_\_\_\_\_ of other part on the following covenants:

Whereas the contractor has offered to enter into contract with the said CREDA for 18W LED street Light, 20W LED tube Light, 50W BEE 5 Star rated Ceiling fan in Distt. Rajnandgaon, kabirdham, durg & Bemetra (Chhattisgarh).wide Tender No 5344. date 28.02.19. on the terms and conditions herein contained and the rates approved by the CREDA (copy of Rates annexed hereto as Annexure-1) have been duly accepted and where as the necessary security deposit shall be furnished in accordance with the provisions of the tender document and whereas no interest will be claimed on the security deposits.

Now these presents witness and it is hereby agreed and declared by and between parties to these presents as follows.

- 1) The Contractor shall, during the period of this contract, that is to say from .....to .....or completion thereof, until this Contract shall be determined by such notice as is hereinafter mentioned, safely carryout, by means of labors employed at his own expenses and by means of tools, implements and equipment etc. to be supplied by him to his labour at his own expenses, for installation of 18W LED street Light, 20W LED tube Light, 50W BEE 5 Star rated Ceiling fan as described in tender documents. (Annexed to the agreement), .
- 2) The NIT (Notice Inviting Tender), Corrigendum to NIT, Bid documents (Qualifying and Financial), approved rates annexed hereto and such other additional particulars, instructions, so far they relate to the Tender No. 5344 as may be found requisite to be given during execution of the work shall be deemed and taken to be an integral part of the contract and shall also be deemed to be included in the expression "The Agreement or "The Contract "wherever herein used.
- 3 ) The contractor shall also supply the requisite number of workmen with means & materials as well as tools, appliances, implements, vehicles for transportation, cartage etc. required for the proper execution of work within the time prescribed in the work orders and /or as per the tender conditions.
- 4) Contractor shall provide 02 year warranty in installed items from the date of commissioning as per the terms & conditions prescribed in the Tender No. 5344.
- 5) The contractor hereby declares that nobody connected with or in the employment of CREDA is not/shall not ever be admitted as partner in the contract.
- 6) The contractor shall abide by the terms and conditions, rules, guidelines, construction practices, safety precautions etc. stipulated in the tender document including any correspondence between the contractor and the CREDA having bearing on execution of work and payments of work to be done under the contract.
- 7) The contractor shall be responsible to follow all the laws including Workmen Compensation Act and all other laws in force & shall be responsible for all the obligations towards labour including EPF,ESI, etc.
- 8) All the taxes deductible at source as per Acts in vogue shall be recovered by CREDA and deposited with the appropriate authorities

In witness whereof the parties present today have hereby entered into agreement.

Signed & sealed on behalf of the above named contractor.

Signed on behalf of CREDA

Name:- (.....)  
Designation:- .....

Name :-  
Designation : Director

**Witness:**

1. Name:- .....  
Address:- .....  
.....

2. Name:- .....  
Address:- .....  
.....

**PART -II PRICE BID**

**Rates for Supply, Installation and Commissioning of Energy Efficient 18W LED street Light.,**

*(As per Specifications & Scope of Work of Tender no. 5344 Dt. 28.02.19. )*

Supply, Installation and Commissioning of Energy Efficient 18W LED street Light Gram Panchayat Amleshwar Distt. -Durg (Chhattisgarh)

<b>S.No</b>	<b>Particulars</b>	<b>Unit Rate of Supply with Two years warrantee &amp; System insurance Including ....%GST (A)</b>	<b>Unit Rate of installation, commissioning and testing Including ....%GST (B)</b>	<b>Total Rate (C)= (A)+(B)</b>
1	supply, Installation of Energy Efficient 18W LED street Light			

Above rates are FOR inclusive of roadworthy packing, loading, unloading, all types of incidental expenses, insurance and with 2 years warrantee, insurance as mentioned in the tender document. No other cost will be claimed other than above quotes price.

**Signature of the Authorized Signatory :**

**Seal of Company**

**Date:**