



CHHATTISGARH STATE RENEWABLE ENERGY DEVELOPMENT AGENCY (CREDA)

Regional Office Bilaspur, Rajkishor Nagar
Bilaspur(C.G.)

Website <https://creda.cgstate.gov.in>

Tender Document

TENDER NO. 3088/CREDA/SPV-PDN/2018-19 Date: 19.09.2018

Standardization OF rates for laying of POWER DISTRIBUTION NETWORK FOR INDOOR LIGHTING/STREET LIGHTING INCLUDING MATERIAL SUPPLY ON TURNKEY BASIS(Supply,laying ,commissioning) through SPV Power Plant installed at Civil Court Pendra Road District Bilaspur.

Important Events and their schedule for this tender are as follows-				
S.No	Particulars	Date	Time	Place
1	Pre bid Meeting	24.09.18	From 11.00 AM	In the Office of Executive Engineer CREDA Regional office Bilaspur.
2	Submission of Tender Document, Technical Bid, and Price Bid	29.09.18	Till 12.30 AM	
3	Examination of Technical Bid	29.09.18	From 1.00 PM	
4	Opening of Price Bid	29.09.18	From 3.30 PM	

Tender Document Cost- Rs **1000.00**

Document can be viewed/downloaded from our website <https://creda.cgstate.gov.in/>
The cost of tender as mentioned in NIT, shall have to be deposited along with the tender document

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CHHATTISGARH STATE RENEWABLE ENERGY DEVELOPMENT AGENCY
(CREDA)

Regional Office Rajkishor Nagar Bilaspur,

Website:- <https://creda.cgstate.gov.in/>

No/ 3088/CREDA/SPV-PDN/2018-19

Date:19.09.2018

NOTICE INVITING TENDER

CREDA **Regional Office Bilaspur** invites sealed tenders from experienced System-Integrators/ Contractors/ Vendors registered in CREDA for STANDARDIZATION OF RATES FOR LAYING OF POWER DISTRIBUTION NETWORK FOR INDOOR LIGHTING/STREET LIGHTING INCLUDING MATERIAL SUPPLY ON TURNKEY BASIS THROUGH SPV POWER PLANT INSTALLED as per following details:-

SN	Particulars of Work	Quantity	Estimated Cost (in Rs. Lakhs)	EMD in Rs.
1	LAYING OF POWER DISTRIBUTION NETWORK FOR INDOOR LIGHTING/STREET LIGHTING INCLUDING MATERIAL SUPPLY ON TURNKEY BASIS THROUGH SPV POWER PLANT INSTALLED AT CIVIL COURT PENDRA ROAD, DISTRICT BILAPUR(C.G.)	1set	2.66	5320

Eligibility for Tenderer:-

1. Tenderer should be Registered in CREDA as a System-Integrator/ Contractor/ Vendor in SPV Program for the FY 2018-19 on the date of opening of tender.
2. For other details pl see eligibility conditions of the tender documents.

Important Events and their schedule for this tender are as follows-

S.No	Particulars	Date	Time	Place
1	Pre bid Meeting	24.09.18	From 11.00 AM	In the Office of Executive Engineer CREDA Regional office Bilaspur.
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Tender form including amendments/changes can be downloaded from our website <https://creda.cgstate.gov.in/>

The cost of tender as mentioned in NIT shall have to be deposited along with the tender document. CREDA reserves all rights to accept/reject any or all tenders in full/parts without assigning any reasons.

Executive Engineer

2. 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:

S.No.	Description	Attached / Not Attached	Page no. if attached
1	EMD (proof of submission)		
2	Tender Document Fee (proof of submission)		
3	Copy of System-Integrator/ Contractor/ Vendor Registration Certificate CREDA in SPV Program for FY 2018-19		
4	Balance Sheets of last three financial years certified by a registered Chartered Accountant showing positive net worth and minimum average annual turnover of 1.5 times the package estimated cost in which bidder is participating duly certified by a registered Chartered Accountant.		
5	List and Completion and Performance Certificates of PDN Projects done / installed by the Bidder in Govt Scheme, Scheme of CREDA/DISCOM/Any other Govt. dept/Agency.		
6	Original Tender document duly signed & sealed on each page, as a confirmation of acceptance of Terms & Conditions (T&C)		
7	Declaration of the supplier about any relatives working with CREDA		
8	Deviation if any , from the specifications term and condition etc		

(Sign & Seal of the Tenderer)

Details of EMD & Tender Document Fee Attached

S.No.	Description
1	Earnest Money Deposit - Earnest Money Deposit of Rs submitted in the form of Demand Draft/Banker's Cheque/FDR/BG/TDR drawn on Bank, Branch, bearing DD/BC/FDR/BG/TDR No..... dated.....is attached herewith.
2	Tender Document Fee - Tender Document Fee of Rs. 1000.00 submitted in the form of Demand Draft/Banker's Cheque/FDR/BG/TDR drawn on Bank, Branch, bearing DD/BC/FDR/BG/TDR No..... dated.....is attached herewith.

(Sign & Seal of the Tenderer)

3. 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 open for Ninety (90) days from the due date of submission there of and not to make any modifications in its terms and conditions.

A sum of Rs..... is hereby forwarded as earnest money in the form of crossed demand draft payable to CREDA at **Bilaspur** (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 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 there- from 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 state sales tax registration GSTIN No. is _____ and CST 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:

4. ELIGIBILITY CRITERIA

- A.** Tenderer should be Registered in CREDA as a System-Integrator/ Contractor/ Vendor in SPV Program for the FY 2018-19 on the date of opening of tender .
- B.** Tenderer should have minimum direct experience of Laying of Power Distribution Network /Supply of PDN Material for DISCOMs, RVE, DDG or any other Govt. department/Agency. Experience certificate issued by Govt/ Govt Undertaking shall only be considered.
- C.** Tenderer must have a minimum positive net worth as on 31.03.2018.
- D.** Bidders should have a Overall Average Annual Turnover of 1.5 times the Package estimated cost in last three Financial Years ending on 31st March of each FY i.e. FY 2015-16, FY 2016-17, FY 2017-18.
- E.** Tenderer will have to submit audited copy of balance sheet certified by a registered chartered accountant as a proof for point no. 1.C and 1.D.
- F.** The Tenderer should have valid GST registration certificate in the state. A copy of which should be enclosed, PAN and EPF No (if applicable) and should submit attested copy there of.
- G.** Tenderer who are Blacklisted by CREDA or any other Govt Agency/ Department / UT, will not be allowed to participate in this tender. System integrator whose registration has been suspended by CREDA due to bad performance or other reasons, shall not be eligible to participate in price bid.
- H.** Tenderer who has any litigation pending in any court with CREDA on the date of opening of the bid shall not be eligible for this bid.
- I.** Any information/data submitted/rendered by the applicant/bidder if found false/forged/wrong would entitle CREDA to reject/cancel the tender submitted by

5. INSTRUCTIONS FOR TENDERERS

1. The Tenderer is expected to examine all instructions, forms, terms and specifications as mentioned in the Tender document. Failure to furnish all information required by the Tender documents or submission of a bid not substantially responsive to the Tender Document in every respect will be at the Tenderer's risk and is likely to result in out-right rejection of the Tender.
2. **LOCAL CONDITIONS:**
It shall be imperative on each Tenderer to fully inform him of all local conditions and factors, which may have any effect on the execution of the works covered under these documents and specifications. AGENCY shall not entertain any request for clarifications from the Tender, regarding such local conditions.
3. **CLARIFICATION OF TENDER DOCUMENTS:**
 - 3.1 A prospective Tenderer requiring any clarification of the Tender Documents may contact AGENCY in writing or by Fax at the AGENCY's mailing address indicated in the Invitation for Tender.
 - 3.2 Verbal clarifications and information's given by the AGENCY or its employees or its Representatives shall not be in any way entertained.
4. **AMENDMENT OF TENDER DOCUMENTS:**
At any time prior to the submission of the tender or prior to the opening of the financial bid the AGENCY may, for any reason, whether at its own initiative or in response to a clarification requested by the Bidder, modify the Tender documents by amendments.
5. Tender Documents must reach in the CREDA Regional office **Bilaspur**. latest by **12.30 AM on 29-09-2018**. Tenders submitted after scheduled time and date shall not be considered.
6. Tender Documents should be submitted in prescribed manner in separate envelopes duly super scribed and placed as follows- (A)Tender Fees and EMD, (B) Eligibility Documents as per point 4 mentioned in page 6. (C) Technical Bid and Complete tender document in original duly signed by authorized signatory on each & every page of the tender document. (D) Price Bid.
7. The envelopes must be clearly marked as "(A) Tender Fees and EMD/ (B) Eligibility Documents / (C) Technical Bid and Complete tender document in original / (D) Price Bid. **of "TENDER NO. 3088 Dtd 19-09-2018"**
8. The Specifications of PDN Materials/Electrical Materials should be as specified in the tender in schedule attached.
9. Tenderer shall have to submit details of GST, PAN, TIN and Service Tax registration numbers issued by the appropriate authority.
10. The documentary evidence for meeting the eligibility criteria must mandatorily be submitted along as per check list with tender in prescribed manner.
11. Tenderers must enclose the safety procedure & manual.
12. When Price Bid are delivered through messenger, it should be submitted in the tender box kept in the office of CREDA RO **Bilaspur** before Time **12.30 AM Date 29.09.2018**. Nobody is authorized to receive or grant receipt for tender delivered on behalf of CREDA.

13. Tenderer should quote their rates considering variation of site conditions, variation in price of different components and keeping the quantum and quality of work in mind. If CREDA anticipates that rate is abnormally low or high, CREDA shall have liberty to amend the rates or reject the tender.
14. **VALIDITY:** Full descriptive particulars and complete specifications should accompany the offer. Offers should be kept open for acceptance for at least three months from the date of opening. After finalization of this tender the approved rates shall be valid till one year from the date of award; however CREDA shall have liberty to increase or decrease this validity if needed.
15. The terms, conditions and specifications mentioned in tender document shall be binding on the tenderers and no condition or stipulation contrary to the conditions shall be acceptable. It may please be noted that the tenderers who do not accept terms and conditions stipulated in this tender documents, their offers shall be liable to be rejected out-rightly without assigning any further reasons.
16. Each page of tender document & enclosures shall be signed by the tenderer and seal affixed. All the pages of the documents issued must be submitted along with the offer. In case of any corrections / alterations in the tender, the tenderer should attest the same; otherwise tenders may not be considered.
17. Tenderers are also instructed to submit their tenders in properly arranged manner (with index , proper paging and with flags on important documents). Incomplete, lose, conditional or improper arranged tenders will not be accepted.
18. CREDA reserves the right (i) to reject or accept any or all tenders wholly or partly without assigning any reason on the grounds considered advantageous to CREDA, whether it is the lowest tender or not obtained in this tender.
19. Offers through Telegraph/ Fax/Emails or open offers etc. received shall be summarily rejected.
20. All the tenderers shall essentially indicate the break-up of prices as shown in Price Bid. 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. The lowest prices quoted shall be considered.
21. **TENDER DOCUMENT FEE AND EARNEST MONEY:**
Each tenderer should submit Tender Document Fee and earnest money in the form of Demand Draft/BC/FDR/BG/TDR or RTGS/NEFT as mentioned in the NIT, in a separate envelope as prescribed at point no.1 & 2 of page 4. Tender Document fee, EMD submitted in Case or any other form shall Not be accepted. [Exemption from EMD shall be given only to those companies who submit the competency certificate on which it should be clearly mentioned that, “the company registered in Chhattisgarh for manufacturing of that particular product”]

22. FORFEITURE OF EARNEST MONEY DEPOSIT:

It should be clearly understood that in the event of tenderer failing to enter into the agreement in the prescribed format on their quoted rates and also fails to execute assigned works within stipulations, if he is so communicated within the validity period of the offer, the full amount of earnest money shall be forfeited and tenderer will be debarred from future business with CREDA. CREDA's decision in this respect will be final and binding on the tenderer.

23. PRICE:

The prices quoted should be firm and F.O.R. destination including GST payable on the bill of supply and installation/services.

24. ENGINEERING DOCUMENT:

Tenderers will have to submit Engineering Documents with technical details, drawings, Specifications of components and make etc to CREDA for approval, as and when asked by CREDA. Works may only be started out only after approval of the Engineering Document and their samples

25. SAMPLES:

If Require CREDA may inspect the consignment before dispatch of the material at shall be delivered/ accepted as per the scope of work and specifications, as get it tested in accreted laboratory at its own cost.

26. TAX OBLIGATIONS:

TDS for Income Tax, Civil Work etc shall be recovered under various acts and deposited with the appropriate authority.

27. TECHNICAL CRITERIA

a) The eligible SI to whom work is likely to be awarded should have their own service unit cum office within Chhattisgarh state.

b) The Bidders should have sufficient technically qualified and well-experienced manpower for execution of the project and after sales service of the systems. These details may be called by CREDA and in case there is any deficiency found the SI may be debarred from the tender.

28. JURISDICTION OF THE COURT: Any dispute arising out of the contract shall be subject to the jurisdiction of **High court Bilaspur.**

6. GENERAL CONDITIONS OF CONTRACT

1. **DEFINITIONS:** In writing General Conditions of Contract, the specifications and bill of quantity, the following words 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 CEO.

Work shall mean any work entrusted to the tenderer as mentioned in the scope of work and Work Order.

The "Engineer in charge" shall mean the Engineer or Engineers authorized by CEO for the purpose of this contract. Inspecting Authority shall mean any Engineering person or personnel authorized by CREDA to supervise and inspect the Indoor /Outdoor PDN Work.

"The System-Integrator/ Contractor/ Vendor Tenderer" shall mean the tenderer awarded with the contract or their successors and permitted assigns. Contract Price shall mean the sum named in or calculated in accordance with the provisions of the contract as the contract price. General Conditions shall mean the General conditions of Contract.

"Specifications" shall mean the specifications annexed to these General Conditions of contract and shall include the schedules and drawings attached thereto or issued to the PDN Material Supplier/PDN Contractor/ SI from time to time, as well as all samples and pattern, if any,

"Month" shall mean calendar month. "Writing" shall include any manuscript, typewritten, printed or other statement reproduced in any visible form whether under seal or written by hand.

2. **CONTRACT DOCUMENT:**

The term "Contract" shall mean and include the General conditions, specifications, schedules, drawings, work orders etc., 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 or any other Act in vogue or by any person of common knowledge and prudence.

3. **MANNER OF EXECUTION:**

Execution of work shall be carried out in an approved manner as outlined in the technical specifications or where not outlined, in accordance with desired Specifications laid down by CREDA, to the reasonable satisfaction of the Engineer.

- i) The eligible tenderer shall conduct a detailed survey of site and submit Site Clearance and necessary documents and survey details in concerned District Office of CREDA in prescribed manner.
- ii) District Office CREDA shall examine these reports and after satisfaction forward these to **EE Regional office Bilaspur** for approval.
- iii) The Contractor shall start work within 15 days after the date of issue of work Order. Work order will be given to the chosen Contractor only after execution of the agreement with CREDA.

- iii) All the materials required for the PDN Work as per Work Order issued shall be kept at site in the custody of the Contractor. CREDA shall not be responsible for any loss or damage of any material during the installation.
- iv) All the electrical works should be done as per Indian electricity Act. The persons engaged for carrying out electrical works should have a valid license of required category accordingly.
- v) After installation and joint inspection will be done in presence of beneficiary, Contractor and CREDA and after successful commissioning of PDN as per work order and scope of work and its approval from CREDA a JCC will be signed and the claim will be forwarded for payments as per guidelines and procedures of CREDA.

4. VARIATIONS, ADDITIONS & OMISSIONS:

CREDA shall have the right to alter, amend, omit, split or otherwise vary the quantum of work, by notice in writing to the Contractor. The Contractor shall carry out such variation in accordance with the rates specified in the contract so far as they may apply and where such rates are not available; those will be mutually agreed between CREDA and the Contractor.

5. INSPECTION DURING ERECTION:

The Engineer in Charge or his authorized representative (s) shall be entitled at all reasonable times to inspect and supervise and test during installation and commissioning. Such inspection will not relieve the Contractor from their obligations under this contract. Material can be inspected before dispatch by the authorized representatives of CREDA at the factory at the cost of the Contractor, if desired by CREDA.

6. COMPLETION OF WORK:

Time being the essence of contract, the installation of the PDN shall be completed within the 45 days from issue of the Work order.

7. ELIGIBLE Contactor DEFAULT LIABILITY:

CREDA may by written notice of default to the Contractor, terminate the contract in circumstances detailed hereunder:

- (a) If in the opinion of the CREDA, the eligible Contactor fails to complete the work within the time specified in the Work Order or within the period for which extension has been granted by CREDA to Contractor.
- (b) If in the opinion of CREDA, the eligible Contactor fails to comply with any of the provisions of this contract.
- (c) In the event of CREDA terminating the contract in whole or in part as provided in paragraph (a) above, CREDA reserves the right to engage another eligible Contactor or agency upon such terms and in such a manner as it may deem appropriate and the Contractor shall be liable to CREDA for any additional costs or any losses caused to CREDA as may be required for the completion of erection of the PDN for street lighting work and or for penalty as defined under this tender document until such reasonable time as may be required for the final completion of the work.
- (d) In the event CREDA does not terminate the contract as provided in paragraph (a) the Contractor shall continue performance of the contract, in which case he shall be liable to CREDA for penalty for delay as set out in this tender document until the work is completed.

FORCE MAJEURE:

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 of God, acts of public, enemy, naxal problems, 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 the CREDA in writing of the cause of delay. CREDA shall verify the facts and grant such extent Contractor on as facts justify. Delay in supply of any accessories of PDN work etc by the related vendors, to whom the tenderer has placed order, shall also not be treated as force majeure.

8. REJECTION OF WORKS:

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 requirements 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 shall rectify or replace the defective material and rectify the work, free of cost. If the Contractor fails to do so, CREDA may,

- At its option replace or rectify such defective materials and/ or work and recover the extra cost so involved from the Contractor plus fifteen percent service charges of the cost of such rectification, from the Contractor and/ or terminate the contract for balance work/ supplies with enforcement of penalty as per contract
- Defective materials/ workmanship 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.

9. EXTENSION OF THE TIME:

If the completion of installation is delayed due to any reason beyond the control of the Contractor, the Contractor shall without delay give notice to the CREDA in writing of his claim for an extension of time. CREDA on receipt of such notice may agree to extend the contract/delivery date of the Work as may be reasonable but without prejudice to other terms and conditions of the contract.

10. MAKES OF EQUIPMENTS TO BE USED IN THE WORK:

The Contractor has to ensure that equipments as per Technical Requirements of guidelines of CREDA as complied with. Contractor has also to ensure that he will use only components of approved vendors of CREDA . The material/works for which CREDA /MNRE or BIS or ISI specification is not available, engineer-in-charge of the works will examine and approve the material/works, preferably of all makes on which CREDA has report of satisfactory performance. Test certificates for all major equipments should be submitted to the engineer-in-charge of the works before installation of the same.

11. WARRANTEE PERIOD AND POST INSTALLATION SERVICES:

The work done/ material supplied by the Contractor should be warranted for satisfactory operation and against any defect in material and workmanship including Luminaries, Controllers and and other balance of equipments, at least for a period of 01 years, from the date of commissioning of the PDN for street lighting of SPV PP work including other works as per scope of work. The above warrantee certificates shall be furnished to the CREDA for approval. Any defect noticed during this period should be rectified by the supplier free of cost upon written notice from CREDA provided such defects may be due to bad workmanship or bad materials used. The warrantee period shall be extended by the period during which the

work remains non-operative due to reasons within control of the Contractors. This warrantee must be an unconditional onsite warrantee and the Contractor will have to replace the defective material within 7days positively from the date of information given to him. Care should necessarily be taken to make the PDN for street lighting /indoor lighting operational, once the reporting of the fault/non operational status is done, within a week. If the PDN for street lighting /indoor lighting work is not made operational within 7 days CREDA may rectify the same at the cost of CONTRACTOR, and the warrantee period shall be extended for a month for the same.

Contractor shall have to establish their service stations in Chhattisgarh state and shall have to keep sufficient quantity of spares and man power to ensure proper service network for taking care of smooth functioning of PDN for street lighting /indoor lighting work installed by them.

13. TERMS OF PAYMENT:

The following terms of payment shall apply for the tender: -

- a) 95% of the cost as per the work order after satisfactory supply, installation, commissioning & performance test of the PDN for street lighting work at site with proper handing over.
- b) Balance 05% of the cost shall be retained by CREDA as Security Deposit for a period of five year. However the same may be released to CONTRACTOR on submission of bank guarantee or TDR (duly pledged in favor of CREDA) of equivalent amount in prescribed format valid for a period of five years, issued by any scheduled bank.

14. PENALTY FOR DELAY IN COMPLETION OF CONTRACT:

If the Contractor fails to complete the PDN work, testing and commissioning etc, within the phased time 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 (1.0%) of the system price of the uncompleted portion of the work for each calendar month of delay or part thereof. For this purpose, the date of taking over shall be reckoned as the date of completion. The total penalty shall not exceed 5% (five percent) of the Cost.

15. SECURITY DEPOSIT (SD):

The Earnest Money shall be retained by CREDA towards security deposit after agreement is done 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.

16. INSURANCE:

The Contractor shall arrange insurance coverage for the materials at his/beneficiary's custody for the work under execution and successful commissioning and subsequent handover to the beneficiary. The Contractor shall take up insurance or such other measures for the manpower so as to cover the claim for damage arising under workmen's compensation Act and other applicable State/ Central laws. CREDA shall not bear any responsibility on this account.

17. SYSTEM-INTEGRATOR/ CONTRACTOR/ VENDOR RESPONSIBILITY:

Notwithstanding anything mentioned in the specifications of subsequent approval or acceptance of the PDN for street lighting work by CREDA, if any, the ultimate responsibility for satisfactory performance of the entrusted work shall rest with the Contractor. If in any case the Contractor does not complete the work as per the Work orders issued to them then CREDA may take over the task & complete the project at the cost of Contractor.

18. RESPONSIBILITY TO RECTIFY THE LOSS AND DAMEGE:

All costs of damages for which the Contractor is liable to the CREDA will be deducted from any money due to the Contractor including the security deposit. If any loss or damage occurs to the work or any part thereof or materials/ plant/ equipments for incorporation therein the period for which the eligible Contractor is responsible for the cause thereof or from any cause whatsoever, the eligible Contractor shall at his own cost rectify/ replace such loss or damage, so that the permanent work confirms in every respect with the provision of the contract to the satisfaction of the Engineer. The eligible Contractor shall also be liable for any loss or damage to the work/ equipments occasioned by him in course of any operation carried out to him during performing the contract.

19. RESPONSIBILITY TOWARDS THE WORKMAN OR OUT SIDERS:

The Contractor shall have to take insurance coverage from any authorized Insurance Company against Workmen compensation due under Workmen Compensation Act and submit copy of the insurance document before issuance of Sanction order. The Contractor shall ensure all safety measures during execution and repairs of the work. CREDA, will, in no case be responsible for any accident fatal or non-fatal, caused to any workman or outsider in course of transport or execution or repairs of work. All the expenditure including treatment or compensation will be entirely borne by the Contractors. The Contractor shall also be responsible for any claims of the workers including PF, Gratuity, ESI & other legal obligations.

20. NON-ASSIGNMENTS:

The Contractor shall not assign or transfer the work orders issued as per this contract or any part thereof without the prior approval of CREDA.

22. CERTIFICATES NOT TO AFFECT RIGHTS OF CREDA:

The issuance of any certificate by CREDA or any extension of time granted by CREDA shall not prejudice the rights of CREDA in terms of the contract nor shall they relieve the Contractor of his obligations for due performance of the contract.

23. SETTLEMENT OF DISPUTES THROUGH ARBITRATION:

- i. Except as otherwise specifically provided in the contract, all disputes concerning questions of fact arising under the contract shall be decided by the CEO CREDA provided a written appeal by the Contractor is made to CREDA. The decision of the CEO, CREDA Raipur shall be final and binding to the all concerns.
- ii. Any dispute or difference including those considered as such by only of the parties arising out of or in connection with the contract shall be to the extent possible be settled amicably between the parties. If amicable settlement cannot be reached then all disputed issues shall be settled by arbitration.

24. LAWS GOVERNING CONTRACT:

The contract shall be constituted according to and subject to the Laws of India and jurisdiction of the High Court of Bilaspur, Chhattisgarh.

Compliance with Labour Regulations-

During continuance of contract, the contractor shall abide at all times by all applicable existing labour enactment and rules made there under, regulations, notifications and bye laws of state and central Govt or local authority that may be passed/issued or may be issued.

25. LANGUAGE AND MEASURES:

All documents pertaining to the Contract including specifications, schedules, notice correspondences, operating and maintenance instructions, drawings or any other writings shall be written in English / Hindi language. The metric system of measurement shall be used in this contract.

26. CORRESPONDENCE:

- i. Any notice to the Contractor under the terms of the contract shall be served by registered mail to the registered office of the Contractor or by hand to the authorized local representative of the Contractor and copy by post to the Contractor's principal place of business.
- ii. Any notice to CREDA shall be served to the EE, CREDA, Bilaspur in the same manner.

27. SECRECY:

The Contractor shall treat the details of the specifications and other documents as private and confidential and they shall not be reproduced without written authorization from CREDA.

28 AGREEMENT:

The successful Contractor shall have to enter into an agreement with the EE, CREDA RO Bilaspur in the approved contract agreement form within 07 days of the receipt of call from CREDA.

29 TENDER EVALUATION CRITERIA :

- a) Offer of only those parties who are found qualifying based on eligibility Criteria will be taken into further consideration and prices of only those parties qualifying based of these criterion will be opened.
- b) Tender shall be evaluated on the basis of total Package cost.
- c) CREDA retains right to negotiate rates or other terms with L-1 of Tender.
- d) Conditional tenders shall not be accepted.
- e) However CREDA shall have rights and liberty to call any /other parties to work on approved rates as and when required in accordance with quantum of work and scheduled time limits for completion of targets.

30. ALLOCATION OF WORK

- a) The allocation of work shall be done at approved rates to eligible tenderer who has quoted lowest rates for the entire work.
- b) If more than 01 tenderer have offered same rates for particular package then the work will be awarded to the bidder who is having more experience for the work.

31. EXTENSION IN SCOPE OF WORK

Up to 50% extension in work quantity can be awarded which will be binding on bidder up to 1 year from the date of award.

We (on behalf of System-Integrator/ Contractor/ Vendor Tenderer) have read all the above stated details & accept to comply with it in total.

(Name, Signature & Seal of the Tenderer)

7. SCOPE OF WORK

1. Laying, Grouting and other labour works

Contractor shall supply all the required material for PDN at site. The scope of work of contractor shall be as under:-

All the work required to be done for PDN such as laying of transmission line, Distribution lines, Grouting and installation of Pole, Fixing of stay set, earthing kit etc, as directed by site in charge and as per layout providing by the CREDA. The scope of work includes:

1. Grouting of Poles.
2. Laying of transmission Lines, Overhead Pole to Pole/ Including Insulators/ Cable fixture)
3. Installation of Earthings coils for Pole.
4. Fixing of Junction Box.
5. Installation of Street Light Brackets, fixing of Street light Luminary etc.

2. Electrical, Electronics and Other PDN Materials

Supply cables of various specifications, supply of Electrical & Electronics items, Luminaries, Fixtures, electrical and electronic hardware & accessories and all other related items of various specifications, as per requirement of CREDA to District Places, at sites in the State of Chhattisgarh. All material is to be delivered either in district head quarter or site as per the instruction of CREDA.

Material supplied should be as per ISI mark and if the item does not come in the category specified in the ISI then also the quality of those items shall be of best available in the category, with due approval of CREDA. All the material shall match with the requirement of the purpose of installation at site.

All the material shall be warranty for two years from the date of supply for any manufacturing defect. Luminaries shall bear warrantee for one year from the date of installation.

3. Fabrication Items

The scope of work is to supply of fabrication of Pole/ Steel structure/ other fabricated items. All the related items as per drawing/designed, specification as requirement of CREDA at **District Bilaspur**. All the scope of work includes :

1. Fabrication and supply of Hot dip Galvanized Pole.
2. Fabrication and supply of Hot dip Galvanized Pipe Street Light Bracket.
3. Fabrication and supply of Hot dip Galvanized Cable fixture.
4. Fabrication and supply of Hot dip Galvanized Stay set.

Note:- Such works, not listed in the schedule of work be required for completion of the project shall deemed has been included in the scope of the bidder.

Commissioning and testing of complete work

COMMON TECHNICAL SPECIFICATIONS FOR LED STREET LIGHT

15W LED STREET LIGHT

Parameter	Specifications	Applicable IS	Documents Required
Total System Wattage (Luminary Wattage)	Max. 15W		NABL / Govt. approved lab test report
LED Assembly	SMD LED Chips mounted on Copper MCPCB where the base metal is of Aluminum	LM80 / 16106	LED technical data sheet including packaging details
LED Drive Current	350 – 1000 mA		NABL / Govt. approved lab test report
Luminary Housing	Suitable for side entry mounting for 25mm to 40mm OD pipe bracket complete with bracket & locking bolt		
Luminous Flux	Minimum 1300 lumens	16102-2 & 16106	NABL / Govt. approved lab test report
Luminary Angle	Fully cut off		
Light Distribution	Batwing		

9W LED Bulb for indoor use

Parameter	Specifications	Applicable IS	Documents Required
Lamp wattage	Max. 9W	16102-1 & 16102-2	NABL / Govt. approved lab test report
Bulb Efficacy	≥ 100 lm/W		LED technical data sheet including packaging details
Base Cap	B22d		NABL / Govt. approved lab test report
Beam Angle	≥ 240°	16102-2	NABL / Govt. approved lab test report
Outer Body Luminary Temperature	Max. 60°C (±5) at 30°C ambient Temperature		NABL / Govt. approved lab test report
Ingress Protection	IP20		
Luminous Flux	Minimum 800 lumens	16102-2 & 16106	
Lumen Maintenance @ 25°C ambient (±2°C)	Minimum 80% after 6000 hours	16102-2 & 16105	NABL / Govt. approved lab test report
Rated Voltage	140 – 270V AC		NABL / Govt. approved lab test report

SELF BALLASTED T5 20W LED TUBE LIGHT (4 FEET) INTEGRATED BATON FOR DOMESTIC USE

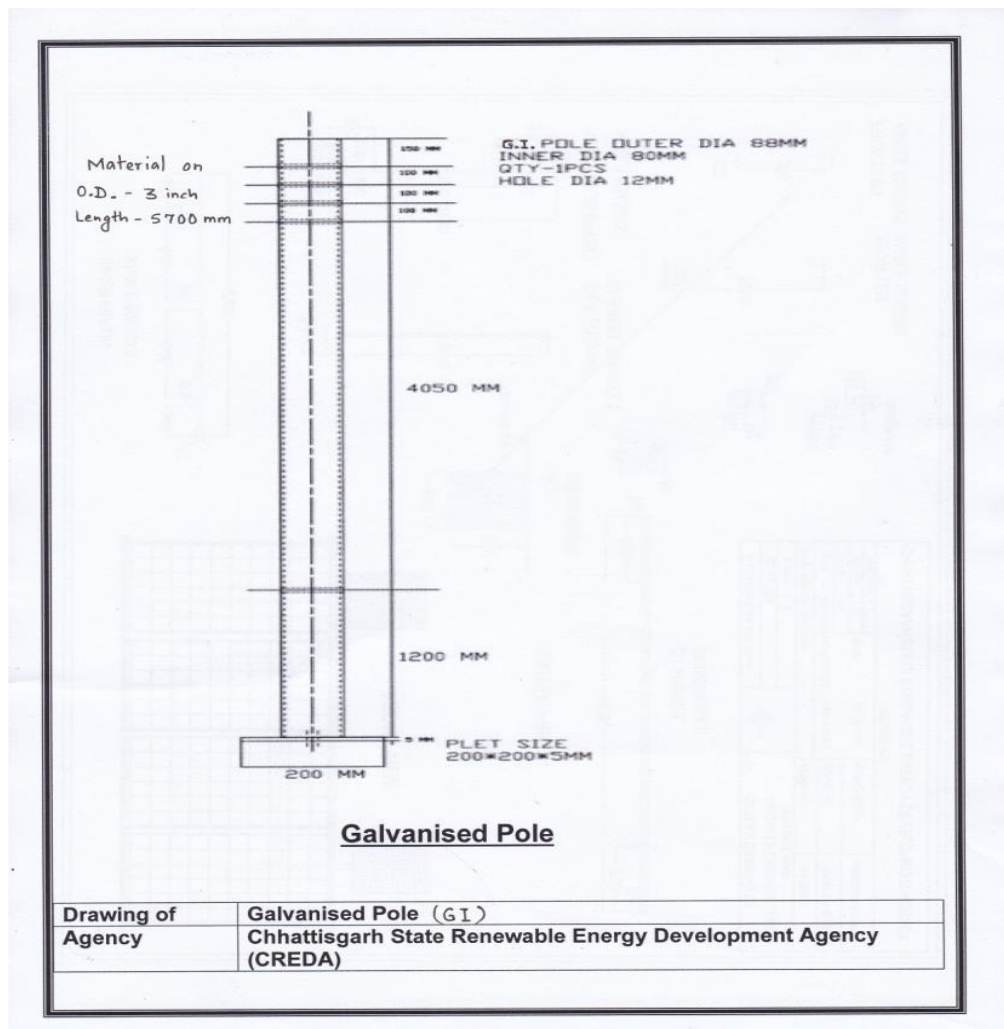
Parameter	Specifications	Applicable IS	Documents Required
Lamp wattage	Max. 20W	16102-1 & 16102-2	NABL / Govt. approved lab test report
Tube Efficacy	≥ 100 lm/W	16102-2 and 16106	LED technical data sheet including packaging details
Lamp Body	Poly carbonate optical cover		NABL / Govt. approved lab test report
Beam Angle	≥ 120°	16102-2	NABL / Govt. approved lab test report
Ingress Protection	IP20		NABL / Govt. approved lab test report
Rated Luminous Flux	Minimum 1900 lumens	16102-2 & 16106	NABL / Govt. approved lab test report
Lumen Maintenance @ 85°C (±2°C)	Minimum 70% up-to 25000 hours	16102-2 & 16105	
Life expectancy of LED	Minimum 50000 hours	16102-2 and 16106	NABL / Govt. approved lab test report
Life expectancy of LED Driver	Minimum 20000 hours		NABL / Govt. approved lab test report
PCB	Should be connected thermally to the body No sliding of PCB in body is allowed		
Voltage Dips & Interrupts	As per IEC 61000-4-11		
Outer Body Luminary Temperature	Max. 70°C(±5) at 30°C ambient Temperature		
Other Requirements	Provided with Three cores connection wire of length 250mm		

08. TECHNICAL SPECIFICATIONS

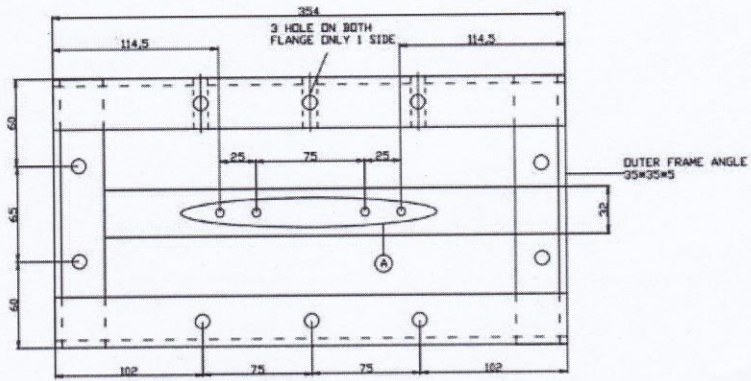
FABRICATION MATERIALS

1. Fabrication of 5.70 mtrs Hot dip galvanized(minimum 80 microns) Pole, with ISI "B" Class MS Pipe as per drawing and specification enclosed with all material.
2. Fabrication of Hot dip galvanized(minimum 80 microns) Pipe Street light bracket as per design & drawing specification
3. Fabricated Hot dip galvanized(minimum 80 microns) cable fixture and MS stay set as per design & drawing specification

Drawings



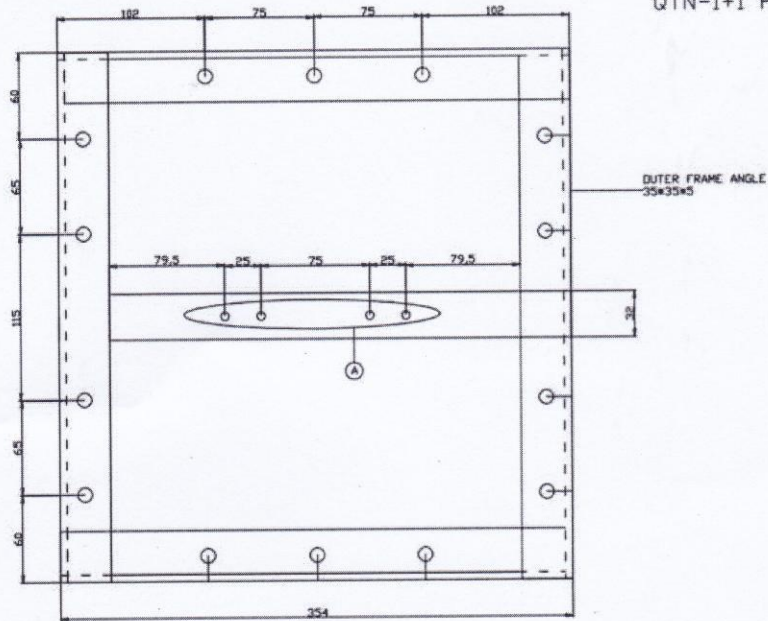
NOTE :- Material on 35x35x5 ANGLE with G.I.
 And 32x5 FLATE with G.I.



SMALL SIZE CABLE FIXTURE

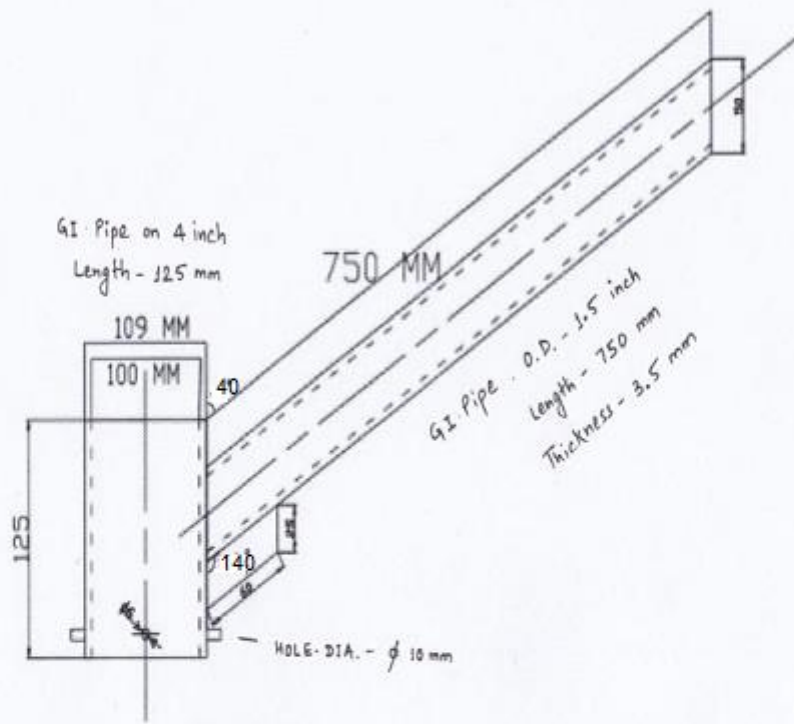
A HOLE ON 6MM DIA.
 OTHER HOLE 10MM DIA

QTN-1+1 PCS



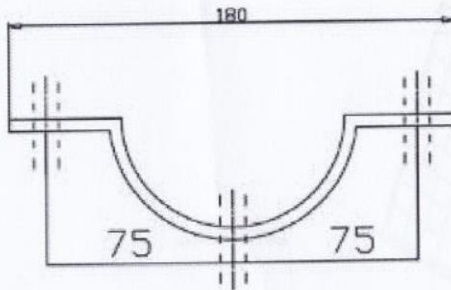
BIG SIZE CABLE FIXTURE

Drawing of	Small & Big Size Cable Fixture
Agency	Chhattisgarh State Renewable Energy Development Agency (CREDA)



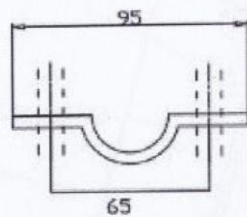
Street Light Bracket

Drawing of	Street Light Bracket
Agency	Chhattisgarh State Renewable Energy Development Agency (CREDA)



FLAT 32*5
HOLE DIA 10MM
LENGHT 250MM
QTY-4 PCS

Clamp for cable Fixture



FLET 25*3
HOLE DIA 10MM
LENGHT 95MM
QYT-6PCS

Clamp for cable

Drawing of	Clamp for Cable & Cable Fixture
Agency	Chhattisgarh State Renewable Energy Development Agency (CREDA)

Wires and Cables

1. All cables & wires shall be as per ISI specifications.
2. Power cable - Unarmoured with Aluminum Conductor PVC insulated PVC Sheathed (Heavy Duty) as per IS:1554/1988, part one two core.
 - (i) 6 Sq. mm, 2-core as per site requirement.

All copper cables and wires used shall be of copper conductors of suitably cross-section with cross-linked polythene or polyvinyl insulated with polyvinyl sheath. Stranded and flexible cable shall be used. Non-stranded cables shall not be acceptable except otherwise mentioned and permitted.

3. Heavy duty multi stand wire and cable P.V.C. insulated twisted bright annealed Copper 1100 Volts, IS 694, Size :- 1.5 Sq. mm per requirement.
4. Exposed cables, wherever, used, shall have UV resistant jacket besides being water resistant.
5. Buried underground cables shall be armored. .
6. Conductor sizes of cables and wires shall be selected based on efficient design criteria such that the overall electrical energy loss in any section of cable or wire is not more than three (3) percent under the designed operating conditions. Conductor sizes of less than 1.5 mm shall not be accepted.
7. Cable/Wire connections shall be soldered, crimp-on type or split-bolt type. Wire nut connectors shall not be used.
8. All cables shall be adequately supported. Outside of the terminal/panels/enclosures shall be protected by conduits. Cables shall be provided with dry type compression glands wherever they enter junction boxes/panels/enclosures.
9. All cables shall be suitably marked or colour coded for easy identification. The marking of length of the cable should clearly marked on the cable
10. Cables and wires shall conform to the relevant standards. Tenderers to specify the specification, for any additional features.
11. Cables should in a packing of at least 100meters each

Electrical & Electronics

1. GI Wire
 - (i) 10 no.
 - (ii) 16 no.
2. PVC Ring Insulator
 - (1) P.V.C. Ring Insulator, Heavy duty Size: 12 mm x 12 mm with inner dia 10 mm weather proof (white).
 - (2) P.V.C. Ring Insulator, Heavy duty Size: 20 mm x 20 mm with inner dia 16 mm weather proof (white).
 - (3) P.V.C. Ring Insulator, Heavy duty Size: 26 mm x 26 mm with inner dia 22 mm weather proof (white).
3. Junction box unbreakable thermo plastic. IP 65 protection, suitable for outdoor application, fire retardant up to 750°C chemical resistance suitable for given size and terminal of Hensel make
 - (i) 98 x 98 x 61 – 4 Sq. with terminal suitable for one in two out
 - (ii) 167 x 125 x 98 with terminal five in one out of 16/25 Sq.mm

Hardware

1. The hardware material shall be of ISI specification wherever mentioned in the Price Bid. If mentioned items does not come in the category of specified in ISI then also the quality of those items shall be of best available in the category.
2. All the material shall match with the requirement of the purpose of installation at site.

PRICE BID-Civil Court Pendra Road

No. 3088/CREDA/SPV-PDN/2017-18

Date: 19 .09.2018

SUPPLY & LAYING OF PDN INCLUDING MATERIAL SUPPLY ON TURNKEY BASIC FOR SPV POWER PLANT at Civil Court Pendra Road District Bilaspur

S. No.	Particulars of Work	Quantity	Unit rate of Item/ Work (in INR)	Total Cost incl. GST and other taxes (in INR)
1	Fabrication & Supply of hot dip galvanized(80 microns) poles as per specifications and drawing (Height of poles -5.7 meter)	10 No.		
	Installation & Grouting of hot dip galvanized (80 microns) poles with civil material as per specification and drawing (size 1.5 X 1.5 X 3.0 ft) in 1:3:6 concrete mix.			
2	Fabrication & supply of hot dip galvanized (80 microns) Street Light Brackets as per specifications and drawing .	10 No.		
	Fixing of hot dip galvanized(80 microns) Street Light Brackets as per specifications and drawing			
3	Supply and installing earthing with G.I. earth pipe 4.5Meter long 40mm dia including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe with charcoal and salt as required.	10 No.		
4	Supplying and laying of 3 core, 6 sq mm armoured cable in ground including excavation ,sand cushioning, protective covering and refilling the trench etc. as required. For each pole junction box .etc as per specification and drawing.GI Pipe arrangements of suitable size for Road Crossings. Provision of GI pipe for 10Nos of Poles for fitting junction box 10ft above the ground .	1000Meter		
5	Supply Installation/fixing of Compact Street lighting weather proof Luminary with 15W LED Lamp and suitable Heavy Duty Multi strand wire and cable PVC insulated Twisted Bright Annealed Copper 1100 Volts, IS 1554/1998 size, Single core-1.5 sq mm with PVS tapes as per Specification	10Nos.		
6	Laying of indoor wiring in site for 20Light points and 06power plug including PVC pipe 1.5Sqmm and 2.5Sqmm Multi core copper wire(Havells or equivalent make), switches boards, PVC gang Box, PVC junction Box ,angle holder, elbow, tee, kaju clip, ceiling rose, etc. complete with all accessories with ISI mark	26Nos.		
7	Supply and installation of indoor 9W LED lamp as per specification	20No		
8	Arrangement for Emergency Power Supply from Mains switch of Grid to ACDB of Power Plant using 2.5Sqmm Copper cable and accessories.	1Set		
9	Supply and installation of Change over Switch 40Amp/230V Havells/HPL Make or equivalent	04No		
Total Cost in Rs.				

Work shall be confirming to BIS specifications. All the required safety measures shall be taken care of. Testing to the satisfaction of competent authority of CREDA after completion of work is included in the quoted rate.

Tenderer Name Seal and Signature

Place :-

Date:-

Agreement

*This agreement is hereby made today the ----- day of ----- 2018 at CREDA, Bilaspur between M/s -----, a company / firm registered under the Companies Act, 1956 / Partnership Act / ----- Act, having its registered office at ----- India (hereinafter called as "Tenderer", the term which includes its successors, assigns and legal heirs), through ----- on one hand and Chhattisgarh State Renewable Energy Development Agency-CREDA registered under Societies Act having its Registered office at **Rajkishor Nagar Bilaspur** hereinafter called as "CREDA" the term which includes its successors, assigns and legal heirs; through Executive Engineer CREDA Regional office Bilaspur, on the other hand on the following terms and conditions:-*

1. Whereas, the "CREDA" intends to do PDN work for SOLAR POWER PLANT ON TURNKEY BASIS in District Bilaspur of the state of Chhattisgarh (hereinafter called as "Supply & Installation on Turn Key Basis") or in District Bilaspur of Chhattisgarh had floated Tender No. XX/CREDA/SPV-PDN/2017-18/3088/19.09.2018 for Item Rate Tender & Contract for as per above tender. "Tenderer" had submitted their rates and agreed to supply/perform the "Work" to CREDA on the rates appended hereto in Annexure No. 1, as per the terms and conditions of the tender already agreed upon, and,
2. Whereas, the rates quoted by the "Tenderer" are inclusive of all taxes, duties, levies, transport and all other incidental expenses F.O.R. at site and the "Tenderer" shall not increase the rates of the supply/perform the "Work" up to **one year from the date of agreement** and the rates mentioned in Annexure -1
3. Whereas, the "Tenderer" is committed to execute the "Work" at the ordered site, on the rates already agreed upon, within the schedule mentioned in the Work/Supply orders that shall be issued from time to time, and,
4. Whereas, it has been also agreed upon that during any disputes regarding interpretation of any of the clauses of this agreement, the decision of the "CEO, CREDA" shall be final and binding on both the parties,
5. Whereas, it is agreed upon that all the terms and conditions of the tender and work/supply orders which have already been agreed upon shall form part of this agreement, and,
6. Whereas, it has also been agreed that for any disputes arising, the jurisdiction shall be the Courts of Bilaspur, in witness whereof, both the parties thereto, put their signatures below:

Witness

1-----

For and on behalf of Tenderer

2-----

For and on behalf of CREDA

Company SEAL