



Chhattisgarh State Renewable Energy Development Agency (CREDA)

(Dept. of Energy, Govt. of Chhattisgarh)

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TENDER DOCUMENT No. 4200/CREDA/PUMPS/CIS/2019 Dated-21.06.2019

Tender for standardization of rates for Supply of AC Surface pump,VFD controller (7.5HP, 10HP) for solar pumps installed under community irrigation scheme for maintenance work anywhere in the state of Chhattisgarh

• Pre-bid meeting	01-07-2019	At 11:00 AM
• Submission of Tender documents, Technical Bid and Price Bid	10-07-2019	Till 01:00 PM
• Opening of Technical Bid and Price Bid	10-07-2019	from 03:00 PM

***Tender Document Cost– Rs.2000.00 + 18% GST = Rs.23,60.00
(in words Rupees Twenty Three Hundred Sixty Rupees Only)***

*Document can also be downloaded from our website **creda.co.in** with the cost of tender as mentioned in NIT, which shall have to be deposited along with the tender document.*

CHATTISGARH STATE RENEWABLE ENERGY DEVELOPMENT AGENCY**CONTENTS**

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Ref. No. 4200/CREDA/Pumps/CIS/Tender/2019

Date: 21.06.2019

NOTICE INVITING TENDER

CREDA invites sealed tenders from Manufacturer or authorized distributor/dealers of solar Pumps for “**Standardization of Rates for Supply of AC Surface Pump,VFD Controller (7.5HP,10HP) for solar pumps installed under community irrigation scheme for maintenance work anywhere in the state of Chhattisgarh**” as per following detail:

Sl.No.	Item Description	Approximate Quantity	Cost of Tender Document	EMD	Essentials
1	Pump of capacity 7.5 HP (AC Surface PUMP)	30	Rs 2,000.00 +18% GST = Rs.23,60.00	Rs.50000	<p>1-Tenderers of Chhattisgarh state should have minimum direct experience of Supply of 50 Nos. solar pumps and that of other state should have minimum direct experience of Supply of 100 Nos. of solar Pumps under a Govt. Scheme of any State or Market Mode Scheme of CREDA. (Experience in terms of works done for Other Private / Non Govt. Companies/Firms etc. shall not be considered).Experience shall be counted from the year 2016-17 to 2018-19.</p> <p>2- Tenderer must have valid test report of 7.5HP&10HP surface AC Pumps for which tenderer must make offer for supply. They will have to provide copy of such test report of Pumps from Ministry of New & Renewable Energy (MNRE) approved or BIS approved Labs.</p>
2	Pump of capacity 10 HP (AC Surface PUMP)	30			
3	VFD controller for pump of capacity 7.5 HP (AC Surface PUMP)	30			
4	VFD controller for pump of capacity 10HP (AC Surface PUMP)	30			

Estimated Value of tender:-Rs.75 Lacs

The sealed tender forms shall only be submitted on the last date 10.07.2019 up to 01:00 PM at the Tender Submission Box Kept at CREDA Head Office, O&M Cell (RE-III), VIP Road, Near Energy Park, Raipur (C.G.), Any Tender Document received through any other means shall not be accepted.

Financial bid may be opened only after scrutiny of technical bid on the same day or may be on other day, as per the decision of Tender Committee. Interested parties can participate in the tender as per the above description according to the eligibility criteria.

Details of this tender are mentioned at Tender Documents which can be downloaded from our website www.creda.co.in. The tenderer should have to deposit tender document cost, along with EMD as mentioned above through demand draft payable to CREDA Raipur while submitting tender.

Tenderers are requested to attend Pre Bid meeting to be held on 01.07.2019 (11:00 AM onwards)at Conference Hall,O&M Cell,CREDA HO,Raipur with their suggestions/objections/reservations if any with details so as to avoid any confusion and to ensure clarity and transparency regarding the tender.

CREDA reserves all rights to accept/reject any or all tenders in full/part without assigning any reasons. Any Amendments in the tender shall only be notified through only the website of CREDA i.e. www.creda.co.in

**Chief Engineer
RE-III, H.O. CREDA
Raipur (CG)**

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.	Earnest Money Deposit		
2.	Tender Document Fee (proof of submission)		
3.	The original document duly signed &with stamp on each page, as a confirmation of acceptance of Terms & Conditions (T&C)		
4.	Copy of Registration Certificate as vendor of CREDA in SPV Programme valid for FY 2019-20		
5.	Copy of Approved Test Reports of Pumps & VFD in the name of company		
6.	Net Worth Certificate duly signed by Chartered Accountant		
7.	List and Completion and Performance Certificates of SPV Pumps installed by the Bidder in Govt Scheme of any state or Market Mode Scheme of CREDA		
8.	Proof of being Eligible Manufacturer or Distributor of Pumps/ VFD		
9.	Copy of certificate for Last three years turnover of works done regarding SPV Pump		
10.	Declaration of the supplier about any relatives working with CREDA.		
11.	Manufacture Authorisation certificates of major components of solar pumping system		

Details of EMD and Tender fee attached

Sl.No.	Description
1	<p><u>Earnest Money Deposit</u> Earnest Money Deposit of Rs.Fifty Thousand Rupees, submitted in the form of Demand on Draft/Banker's Cheque, drawnBank ... date Branch, bearing DD/BC No..... date is attached herewith.</p>
2	<p><u>Tender Document Fee</u> Tender Document Fees of Rs.Twenty Three Hundred Sixty Rupees Only, submitted in the form of Demand on Draft/Banker's Cheque, drawn..... Bank, Branch, bearing is attached DD/BC No..... Dated..... herewith.,</p>

(Sign & Seal of the Manufacturer)



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 **One Hundred Eighty (180)days** from the due date of submission thereof and not to make any modifications in its terms and conditions.

A sum of **Rs.50000.00** is hereby forwarded as **Earnest Money** in the form of crossed demand draft payable to CREDA at Raipur (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 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:

.....

INSTRUCTIONS FOR TENDERERS

1. Eligibility Criteria:

- A. Tenderers of Chhattisgarh should have minimum direct experience of Supply of **50 Nos. solar pumps** and that of other state should have minimum direct experience of supply of **100 Nos.** of Solar Pumps under a Govt. Scheme of any state or Market Mode Scheme of CREDA. (Experience in terms of works done for other private / non Govt. companies/ firms etc. shall not be considered). Experience shall be counted from the year 2016-17 to 2018-19.
- B. Experience Certificates attached should be in attached format (as per annexure-“B”) only. or other format containing similiar information as in attached format(Annx -B)shall be considered only in case of submitted in Hindi/English language only.work order LOI/LOA will not be acceptable.
- C. Tenderers must have a Positive Net worth of **Rs.0.25 Crore** on **31st March 2018**. They shall have to submit a certificate duly signed by a qualified and registered Chartered Accountant as a proof.
- D. Tenderers should have an aggregate turnover of minimum **3 crores** in last three years i.e. 2017-18, 2016-17& 2015-16in SPV Projects.Tenderers are requested to submit required SPV aggregate turnover certificate duly signed by a qualified and registered chartered Accountant along with audited statement.
- E. Tenderer must have valid test report of all 2 categories for 7.5HP&10HP Surface AC pumps in the name of company for which tenderer must make offer for supply. They will have to provide copy of such test report of their Pumps from Ministry of New & Renewable Energy (MNRE) approved or BIS approved Labs.
- F. Tenderer who are debarred from business by Govt. /Govt. Agency in any state would not be eligible to participate in this bid. A self-declaration should be submitted by the bidder to this effect, failing which bid shall be rejected.

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

Particulars	Date	Time	Place
Pre-bid meeting	01-07-2019	At 11:00 AM	CREDA ,O&M Section, Conference hall ,Head Office Raipur
Submission of Tender documents,Technical Bid and Price Bid	10-07-2019	up to 01:00 PM	
Opening of Technical Bid and Price Bid	10-07-2019	from 03:00 PM	

2. **Bidding Process:** The sealed tender forms shall only be submitted on the last date 10.07.2019 up to 01:00 PM at the Tender Submission Box Kept at CREDA Head Office, O&M Cell (RE-III), VIP Road, Near Energy Park, Raipur (C.G.), Any Tender Document received through any other means shall not be accepted.
3. Documents should be submitted in prescribed manner in separate envelopes as follows- (A)Tender Fees and EMD, (B) Eligibility Documents as per point 1A to 1F mentioned above. (C) Technical Details of their product. (D) Complete tender document in original duly signed by authorized signatory on each & every page of the tender document.
4. Each envelope must be clearly marked as Envelope-(A) Tender Fees and EMD, Envelope-(B)Eligibility Documents, Envelope-(C) Technical Details & Test Reports and Envelope-(D) Original Tender Document.

5. The Specifications of Pumps should be as per prevailing MNRE & CREDA norms, as specified in the tender.
6. If any amendments are issued by MNRE/CREDA in due course of time, in this context, then those shall be applicable under this tender.
7. Bidder shall have to submit copies of GST registration number and PAN numbers issued by the appropriate authority.
8. The bidder shall submit along with bid document copy of Certificate of Net worth of **Rs.0.25Crore**.
9. The documentary evidence for meeting the eligibility criteria must mandatorily be submitted along with tender in prescribed manner as mentioned earlier.
10. Login ID & Password of RMS must be submitted to CREDA as and when required.
11. Technical Bid must be deposited in the tender box only kept in the office of the Chief Engineer, CREDA, H.O., Raipur in O&M RE-III Section on or before **01:00 PM dated 10-07-2019**. Nobody is authorized to receive or grant receipt for tender delivered on behalf of CREDA. Tender received through any other means shall not be considered.
12. Tenderer should quote their rates considering variation of site conditions, variation in price of different components and keeping the quantum and quality of supply in mind. If CREDA anticipates that rate is abnormally low or high, CREDA shall have liberty to amend the rates or reject the tender.
13. Bidder must have a valid registration certificate as Vendor in CREDA for FY 2019-20.
14. **VALIDITY:**

Full descriptive particulars and complete specifications should accompany the offer. Offers should be kept open for acceptance for at least **180 days** 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 reason whatsoever.
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 technical 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, loose, 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. No reason will be assigned by CREDA for this and will be binding on the tenderers. Rates approved through this tender may be standardized for all eligible tenders to supply in **year 2019-20** and shall be valid till **31-03-2020**. However CREDA reserves right to curtail or extend this period.
19. Offers through Telegraph/Fax/Emails/Post/Courier or open offers etc. received shall be summarily rejected.

20. TENDER DOCUMENT FEE AND EARNEST MONEY:

Each tenderer should submit Tender Document Fee and earnest money in the form of Demand Draft/Pay Order or RTGS/NEFT as mentioned in the NIT vide no...../CREDA/PUMPS/CIS/2019 Date:, in a separate envelope as prescribed at **point no.4 of page 6** else they will summarily be rejected and returned. Tender Document Fee, EMD submitted in any other form e.g. **Cash/Bank Guarantee/FDR/TDR etc. shall not be accepted.**

21. A pre-bid meeting shall be organized on **01-07-2019 at 11:00 AM** at CREDA HO,Conference Hall,O&M Section Raipur to explain the terms & conditions of the tender and to clarify doubts of the tenderers so that all doubts and confusions are resolved before the tender is submitted. Only one authorized representative of the parties who fulfils the primary eligibility conditions as mentioned in NIT and desire to purchase/download the tender document shall be allowed to participate in the said meeting. Amendments/clarifications, if any arising during pre-bid meet, shall be uploaded on **www.creda.co.in**. It is mandatory for all tenderers to attend this Pre Bid Meeting else they may not be treated eligible for this tender.

22. All suggestions, doubts, confusion, request, queries etc., shall have to be presented to CREDA at the time of Pre-Bid meeting. After that any representation in this regard shall not be considered.

23. TECHNICAL CRITERIA :

- 1) The eligible tenderer should have their own service unit cum office in Chhattisgarh state.
- 2.) Tenderer must have valid test report of all **2 categories** for **7.5HP & 10HP** Surface AC pumps in the name of company for which tenderer must make offer for supply. They will have to provide copy of such test report of their Pumps from Ministry of New & Renewable Energy (MNRE)approved lab or BIS approved Labs.

24. 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 under any Scheme of CREDA, within stipulations, if he is so communicated within the validity period of the offer, the full amount of earnest money will be forfeited and tenderer shall be debarred from future business with CREDA. CREDA's decision in this respect will be final and binding on the tenderer.

25. PRICE OF SUPPLY OF PUMPS AND VFD CONTROLLERS:

- (I) The prices quoted for pumps and VFD controller should be firm and F.O.R. destination inclusive of packing, forwarding freight, transit insurance. The GST shall be indicated(paid) extra as per the GST regulation notification no.24/2018-central tax(Rate) dated 31.12.2018. The prices shall be filled exactly as per **Price Bid** enclosed.
- (II) Any change in GST shall be become applicable during the period of contract.

26. 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. Supply may only be started out only after approval of the Document.



27. INSPECTIONS :

CREDA reserves right to inspect the material at Godowns/Temporary Stores before dispatch and also at works sites.

28. TAX OBLIGATIONS:

CREDA shall deduct TDS for Income Tax, applicable cess on Civil Work etc. under various acts and deposited with the appropriate authority. Costs and taxes before execution of agreement with CREDA so as to ensure tax deposition as per Government Rules accordingly.

29. JURISDICTION OF THE COURT:

Any dispute arising out of the contract shall be subject to the jurisdiction of Hon'ble High Court of Chhattisgarh.

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 Chief Engineer.
- Work shall mean any work entrusted to the tenderer as mentioned in the scope of work and sanction order.
- The "Engineer in charge" shall mean the Engineer or Engineers authorized by CREDA for the purpose of this contract. Inspecting Authority shall mean any Engineering person or personnel authorized by CREDA to supervise and inspect the erection of the SPV Pump.
- "The Eligible 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 eligible tenderer 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. Those tenderers who are also manufacturers of Pumps shall have to submit proof of their factory, SSI Registration and list of Machineries and Equipment's.

3. CONTRACT DOCUMENT:

The term "Contract" shall mean and include the General conditions, specifications, schedules, drawings and sanction 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.

4. MANNER OF EXECUTION:

Execution of work shall be carried out under Govt Mode Scheme of CREDA 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. The successful bidder shall be provided a period of 30 days from the date of issuance of supply order for the supply of pumps to the ordered sites.

5. VARIATIONS, ADDITIONS & OMISSIONS:

CREDA shall have the right to alter, amend, omit, split or otherwise vary the quantum of supply, by notice in writing to the eligible tenderer. The eligible tenderer 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 eligible tenderer

6. INSPECTION:

Material can be inspected before dispatch or in transit by the authorized representatives of CREDA at the factory at the cost of the eligible tenderer, if desired by CREDA.

7. COMPLETION OF WORK:

Time being the essence of contract, the ordered material must be supplied within a period of 30 days.

8. ELIGIBLE TENDERERS DEFAULT LIABILITY:

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

- (a) If in the opinion of the CREDA, the eligible tenderer fails to supply within the time specified in the supply order or within the period for which extension has been granted by CREDA to the eligible tenderer.
- (b) If in the opinion of CREDA, the eligible tenderer 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 tenderer or agency upon such terms and in such a manner as it may deem appropriate and the eligible tenderer shall be liable to CREDA for any additional costs or any losses caused to CREDA as may be required for supply of Pumps 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 eligible tenderer 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 supply is completed.

9. FORCE MAJEURE:

The eligible tenderer 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, LWE problems, acts of government, cyclone, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes provided that if tenderer shall submit delay notice with appropriate cause of delay to the CREDA in writing within **15 days** of force majeure. CREDA shall verify the facts and may grant such extension as facts justify. Delay in supply of any accessories of Pumps etc. by the related vendors, to whom the tenderer has placed order, shall also not be treated as force majeure.

10. REJECTION OF WORKS:

In the event of any of the material supplied by the eligible tenderer is found defective in material or workmanship or otherwise not in conformity with the requirements of this contract specifications, CREDA may impose penalty for such rejection upto the **200%** cost of the entire system. Habitual/repeated offenders shall be blacklisted/debarred to participate in the any tender/activity of CREDA till further orders. The eligible tenderer on receipt of such notices shall rectify or replace the defective material and rectify the work free of cost. If the eligible tenderer fails to do so CREDA may -

- a) At its option replace or rectify such defective materials and recover the extra cost so involved from the eligible tenderer plus **3%** service charges of the cost of such rectification, from the eligible tenderer and/ or terminate the contract for balance supplies with enforcement of penalty as per contract
- b) Defective materials will not be accepted under any conditions and shall be rejected outright without compensation. The eligible tenderer shall be liable for any loss/

damage sustained by CREDA due to defective supply with enforcement of penalty as stated above.

11. EXTENSION OF THE TIME:

If the completion of installation is delayed due to any reason beyond the control of the eligible tenderer, the eligible tenderer 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 or may not agree to extend the contract/delivery date of the pump as may be reasonable but without prejudice to other terms and conditions of the contract.

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

- (I) The eligible tenderer has to ensure that equipment's as per Technical Requirements of guidelines of CREDA as complied with. The eligible tenderer has also to ensure that he will use only components of approved vendors of CREDA. The material for which CREDA/MNRE or BIS or ISI specification is not available, engineer-in-charge will examine and approve the material/works, preferably of all makes on which CREDA has report of satisfactory performance. Test certificates for all major equipment's should be submitted to the engineer-in-charge before supply of the same.
- (II) Successful Bidder upon issue of LOI must submit Manufacture Authorization Form (MAF) From manufacture of pumps/ VFD Controller which it is intending to supply guarantee at least five year warrantee of pump and controller **.no payment shall be made if he fails to do so.**

13. WARRANTEE PERIOD AND POST INSTALLATION SERVICES:

- The material supplied by the eligible tenderer should be warranted for satisfactory operation and against any defect in material and workmanship including Pumps, Controllers and other balance of equipment's, at least for a period of **5(five) years**, from the date of supply of Pumps and VFD controller 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 bad materials used.
- The warrantee period shall be extended by the period during which the pumps,VFD controller remains non-operative due to reasons within control of the eligible tenderers.
- This warrantee must be an unconditional and onsite warrantee and the eligible tenderer 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 Pumps operational, once the reporting of the fault/non-operational status is done, within a week. If the Pumps is not made operational within **7 days** CREDA may rectify the same at the cost of tenderer and the warrantee period shall be extended for a month for the same.
- Tenderer shall have to establish their service stations and shall have to keep sufficient quantity of spares and man power to ensure proper service network for taking care of smooth functioning of Pumps supplied by them. Tenderer shall have to give a toll free number to register complaints.

14. TERMS OF PAYMENT:

The following terms of payment shall apply for the tender -

- a) **95%**of the order value as per the supply order after satisfactory supply of Pumps ,VFD controller at site with proper handing over.
- b) Balance **5%** of the order value shall be retained by CREDA as Security Deposit for a period of **60 months**. However the same may be released to tenderer on submission of bank guarantee/FDR in favour of CREDA of equivalent amount in prescribed format issued by any scheduled bank.

15. PENALTY FOR DELAY IN COMPLETION OF CONTRACT:

If the eligible tenderer fails to complete the assigned work within the schedule time specified in the supply order or any extension granted there to, CREDA will recover from the tenderer as penalty a sum of **One per cent (1%)** of the supply order value for every delayed supply per week. For this purpose, the date of taking over shall be reckoned as the date of supply. The total penalty shall not exceed **5% (Five Per cent)** of the cost.

16. SECURITY DEPOSIT (SD):

- The Earnest Money shall be retained by CREDA as additional SD for five years 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.
- Beside this, **5%** of the cost shall also be retained as SD during the five years of warrantee period. In case the Security Deposit is in form of a Bank Guarantee/TDR from any scheduled bank and in the event of extension of supply date, the validity of the Bank Guarantee/TDR shall also be suitably extended. The Bank Guarantee shall be executed in stamp paper worth **Rs.250.00** or as per the prevailing norms. No interest shall be payable on the Security Deposit.

17. PENALTY DUE FROM THE ELIGIBLE TENDERER:

All costs of damages and delays for which the eligible tenderer is liable to the CREDA will be deducted from any money due to the eligible tenderer including the security deposit of any project under CREDA.

18. ELIGIBLE TENDERER'S RESPONSIBILITY:

Notwithstanding anything mentioned in the specifications of subsequent approval or acceptance of the Pumps & VFD by CREDA, if any, the ultimate responsibility for satisfactory performance of the entrusted supply shall rest with the eligible tenderer. If in any case the eligible tenderer does not complete the supply as per the supply orders issued to them then CREDA may take over the task & complete the project at the risk and cost of eligible tenderer.

19. RESPONSIBILITY TO RECTIFY THE LOSS AND DAMAGE:

If any loss or damage occurs to the material or any part thereof for incorporation therein the period for which the eligible tenderer is responsible for the cause thereof or from any cause whatsoever, the eligible tenderer 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 tenderer shall also be liable for any loss or damage to the material/equipment's occasioned by him in course of any operation carried out to him during performing the contract.

20. RESPONSIBILITY TOWARDS THE WORKMAN OR OUT SIDERS:

- **The eligible tenderer shall have to take insurance coverage from any authorized Insurance Company.**
- The eligible tenderer 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 eligible tenderers. The eligible tenderer shall also be responsible for any claims of the workers including PF, Gratuity, ESI & other legal obligations.

21. NON-ASSIGNMENTS:

The eligible tenderer shall not assign or transfer the supply orders issued as per this contract or any part thereof without the prior approval of CREDA. If eligible tenderer transfer/assigned/sublet full or nay part of supply to him without prior permission from CREDA in writing to any third party shall be liable to debar/blacklisted from any tender/activity of CREDA till further orders.

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 eligible tenderer 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 Chief Executive Officer (CEO), CREDA provided a written appeal by the eligible tenderer is made to CREDA. The decision of the CEO, CREDA 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.

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

27. SECRECY:

The eligible tenderer 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 eligible tenderer shall have to enter into an agreement with the CREDA in the approved contract agreement form within **07 days** of the receipt of call from CREDA.

29. TENDER EVALUATION CRITERIA :

- Offers of only those parties, who are found qualified based on Eligibility Criteria and Technical Bid, will be taken into further consideration and financial bid of only those parties who are qualifying the criteria of Technical Bid will be opened.



- Other things being equal, the lowest rates shall normally be preferred irrespective of the make of pumps & VFD controllers, but CREDA shall have rights and liberty to amend/lower the rates.
- **Conditional tenders shall not be accepted.**
- However CREDA shall have rights and liberty to call any /other parties to supply on approved rates as and when requires in accordance with quantum of supply and scheduled time limits for completion of targets.

30. AWARD OF WORK :

The work shall only be awarded to the lowest Tenderer (L1) subjected to rate reasonability.

34. START-UP CHHATTISGARH:

For start up entities as certified by GOI or GOCC, in the area of pumps/VFD controllers shall be allocated work as prescribed under "allocation of targets" subject to their meeting all specification and conditions except requirements prescribed for experience, EMD, and annual overall turnover, if they agree to meet on L-1 prices.

We (on behalf of Eligible Tenderer) have read all the above stated details & accept to comply with it in total.

(Name, Signature & Seal of the Tenderer)

SCOPE OF WORK & TECHNICAL SPECIFICATION

“Tender for Standardization of Rates for Supply of AC Surface Pump, VFD controller (7.5HP, 10HP) for solar pump installed under community irrigation scheme for maintenance work anywhere in the state of Chhattisgarh”. as mentioned below:-

S. no.	Particulars	Specification
1	PUMP	
1.1	AC Surface pump set 7.5 HP for solar pump	As stated on next page
1.2	AC Surface pump set 10 HP for solar pump	
2	CONTROLLERS	
2.1	VFD Controller for AC Surface pump 7.5 HP	Controller should be of the approved make and it should be in accordance with the electrical parameters of the Motor / Pump. Controllers should be fixed in suitable IP 54 Box with the provision of SPD as per norms of CREDA. Controller must have Remote Monitoring Arrangement as per MNRE & CREDA guidelines. System Integrators shall have to provide a link for monitoring of installed SPV Pumps. The controller shall be compatible with the respective capacities of pump
2.2	VFD Controller for AC Surface pump 10 HP	

(1.1) Technical specification of 7.5 HP AC Surface pump

S NO	DETAILS	REQUIRED SPECIFICATION
(i)	7.5 HP AC Surface Pump AC Surface Pump set	
1	Head Range(M)	26-34 Meter
2	Discharge Range(lps)	11.5-10 lps
3	Discharge at 30 mtr head(lps)	11 lps
4	Shut off dynamic head	50 Meters
(ii)	<u>Pump, Motor and Controller Details</u>	
(a)	Motor	
1	Motor Capacity [HP/KW]	7.5HP/5.5KW
2	Motor Winding	Copper
3	RPM	2900
4	Phase	3 Phase
5	Insulation	F class
6	Rated Voltage	415 V
7	Voltage range	350-440V
8	Frequency	50 HZ
9	Casing	Cast Iron
10	Impeller	Cast Iron/SS
11	Shaft	Stainless Steel
12	Sealing	Mech Seal

C)	Controller	
1	Pump Controller Rating	7.5HP/5.5Kw
2	Enclosure IP Protection	IP 54
3	Operating Temp[0C]	-10 °C to 55 °C
4	Inside the Control Box temperature range	Up to 70° C
5	Degree of Protection	IP54
6	Minimum Ingress Protection	IP 54
7	Testing standards Efficiency Test	IEC 61683/ IS 61683 IEC 60068-2(1,2,14,30) / Equivalent BIS Std.
8	Protection	Output short/open circuit,Over Temperature,Over/Under Voltage,Thermal Overload,Dry Run,Reverse Polarity
9	Remote monitoring must be available	

(1.2) Technical specification of 10 HP AC Surface pump

S N O	DETAILS	REQUIRED SPECIFICATION
(i)	10 HP AC Surface Pump AC Surface Pump set	
1	Head Range(M)	20-35 Meter
2	Discharge Range(lps)	20-13 lps
3	Discharge at 30 mtr head(lps)	16 lps
4	Shut off dynamic head	50 Mtr
(ii)	Pump, Motor and Controller Details	
(a)	Motor	
1	Motor Capacity [HP]	10HP/7.5KW
2	Motor Winding	Copper
3	RPM	2900
4	Phase	3 Phase
5	Insulation	F class
6	Rated Voltage	415 V
7	Voltage range	350-440V
8	Frequency	50 HZ
9	Casing	Cast Iron
10	Impeller	Cast Iron/SS
11	Shaft	Stainless Steel
12	Sealing	Mech Seal
C)	Controller	
1	Pump Controller Rating	10HP/7.5Kw
2	Maximum 3 phase output Voltage	3 phase ,380Vac
3	Maximum Output Current Rating	20 Amp
4	MPPT Range	500-680V
5	PV input MCB	25A,800VDC

6	Maximum Input DC current	20A
7	Enclosure IP Protection	IP 54
8	Operating Temp[0C]	-10 °C to 55 °C
9	Inside the Control Box temperature range	Up to 70 ⁰ C
10	Controller Efficiency[%]	98%
11	Degree of Protection	IP54
12	Minimum Ingress Protection	IP 54
13	Testing standards Efficiency Test	IEC 61683/ IS 61683 IEC 60068-2(1,2,14,30) / Equivalent BIS Std.
14	Protection	Output short/open circuit,Over Temperature,Over/Under Voltage,Thermal Overload,Dry Run,Reverse Polarity
15		Remote monitoring must be available

Other important requirement

The “Motor Pump Set” should following features:

- The mono block AC centrifugal motor pump set with the impeller mounted directly on the motorshaft and with appropriate mechanical seals which ensures zero leakage.
- The suction and delivery head will depend on the site specific condition of the field.
- The pumps used for solar application should have a 5 years warranty so it is essential that the construction of the pump be made using parts which have a much higher durability and do not need replacement or corrode for at least 5 years.
- Provision for remote monitoring of the installed pumps must be made in the controllers or the inverters either through an integral arrangement or through an externally fitted arrangement. It should be possible to ascertain the daily water output, the power generated by the PV array, the UP TIME of the pump during the year, Number of days the pump was unused or under breakdown/repairs.
- The following details should be marked indelibly on the motor pump set
 - a) Name of the Manufacturer or Distinctive Logo.
 - b) Model Number.
 - c) Serial Number.

SCHEDULE - I

PART 'A': GENERAL INFORMATION

(Strike off whichever is not applicable. Separate sheets should be used, wherever necessary)

01. Name & Address of the Bidder :
02. Name & Address of the firm/Company etc. :
- a) Registered office :
- b) Factory/works address :
- c) Fax Nos. :
- d) Telephone / Mobile Nos. :
- e) Email id :
03. Confirm whether tenderer is Manufacturer : Yes/No
04. Only manufacturer to give following particulars
- a) Address of factory :
- b) Year of starting manufacture :
- c) Whether same/similar materials :
Manufactured earlier
(if yes, give reference)
- d) Yearly/monthly production capacity :
- e) Maximum yearly production :
Achieved so far
05. Whether the firm is SSI/MSME Unit of : Yes/No
Chhattisgarh State:
- a) If yes, write registration No. :
- b) Whether documentary evidence :
Regarding registration enclosed
- c) Items for registration :
- d) Period of registration :
- d) Whether latest copy Competency/ : Yes/No
Certificate furnished
06. Whether the firm is 100% owned by
- a) State Government : Yes/No
- b) Central Government : Yes/No
- If yes, Notification/certificate issued from : Yes/No
The competent authority to this effect is Enclosed
07. a) Whether the bidder is old participant : Yes/No
with CREDA
- b) If yes, whether documentary : Yes/No
Evidence is enclosed.
08. Any other information that bidder may like : If yes, give details
to give in order to highlight his bid

PLACE :

SIGNATURE OF TENDERER

DATE:

NAME IN FULL

DESIGNATION/STATUS

FIRM/COMPANY SEAL



SCHEDULE - I

PART 'B' : COMMERCIAL INFORMATION

(Strike off, whichever is not applicable. Separate sheets should be used. Wherever necessary)

01. i) Earnest Money Details : Bank draft/Bankers cheque payable to "CREDA", Raipur
- ii) Amount of E.M.D. & full details : ₹
- iii) If exempted, state whether the bidder i / Fully Owned State/Central Govt. Unit : SSI/MSME Unit of C.G.
- iv) Reference of documentary evidence regarding exemption enclosed. : Yes/No
02. Whether the offer is valid for 6 months from the date of opening of commercial/technical bid. : Yes/No
03. Rate of Sales Tax on the date of bid (exclusive in the rate quoted) :
04. **DISCOUNT:**
- a) Whether any rebate/discount is offered. : Yes/No
- b) If yes, whether the rebate is unconditional/conditional Rate/amount of rebate/discount : Yes/No
- c) If conditional State condition : Yes/No
05. **PAYMENT TERMS:**
Whether CREDA's terms of payment is acceptable to tenderer : Yes/No
06. **COMPLETION PERIOD OF WORK:**
Whether tenderer is agreeing for completion period of work as Specified in the tender : Yes/No
07. **PENALTY CLAUSE:**
Whether agreeable to CREDA's Penalty Clause : Yes/No
08. Whether agreeable to CREDA's clause of warrantee period : Yes/No
09. **SECURITY DEPOSIT:**
Whether Security Deposit clause is understood : Yes/No
10. Indicate State, Central Sales Tax Registration Number State : Yes/No
Central:
- (Please Note that in case of non-registration with Commercial Tax, Department Purchase Tax as admissible shall be deducted by the Purchaser from the Bills of the supplier)
11. Please mention whether rates offered are applicable for part quantities. : Yes/No

PLACE:

SIGNATURE OF TENDERER

DATE:

NAME IN FULL

DESIGNATION/STATUS

FIRM/COMPANY SEAL

SCHEDULE - II

PART 'C' : TECHNICAL INFORMATION

(Strike off whichever is not applicable. Separate sheets should be used. Wherever necessary)

01. Whether material offered is exactly as per technical specification : Yes/No
02. Whether the copies of orders received during last 3 years from other State Nodal Agency or from other Organization for similar materials enclosed. : Yes/No
(if yes, give details)
03. Whether performance certificate from such Organization regarding supplies is enclosed. : Yes/No
(if yes, give details)
04. Whether pamphlets/technical details literatures along with drawing etc. furnished with the offer : Yes/No
(if yes, give details)
05. Whether the tenderer agrees to furnish material test certificates in respect of chemical composition and physical properties from Govt./ Govt. approved lab with each batch of supplies. : Yes/No
06. Whether the tenderer has furnished details of manufacturing equipments and short history of plant : Yes/No
(if yes, give details)
07. Whether details of manufacturing process furnished with offer. : Yes/No
(if yes, give details)
08. a) Whether all testing facilities are available. : Yes/No
If so, give details and in case of non-availability of facilities indicate approved lab available in surrounding areas where tests are proposed to be conducted.

PLACE

SIGNATURE OF TENDERER

DATE

NAME IN FULL

DESIGNATION/STATUS

FIRM/COMPANY

SEAL



SCHEDULE - III
TECHNICAL DEVIATIONS

From,
Tenderer Name & Address -

To,
**The CE,
CREDA, HO,
Raipur**

Sub - Technical Deviations.

Dear Sir,

The technical deviations & variations to the specifications stipulated in the tender, for the item quoted are as under -

Sl.No.	Condition	Clause No. of Tender document	Page No. of Tender document	Statement of deviations and variations

2. Except aforesaid deviations, the entire order, if placed, on us shall be executed in accordance with your specifications and other conditions. Variation/deviations etc. if found, elsewhere in our offer should not be given any considerations while finalizing the tender.

PLACE

SIGNATURE OF TENDERER

DATE

NAME IN FULL

DESIGNATION/STATUS

FIRM/COMPANY SEAL

* **NOTE**-Continuation sheet of like size & format may be used as per bidder's requirements and shall be annexed to this schedule.



SCHEDULE - IV

PAST EXPERIENCE

From :

Bidder's Name & Address -

To,

The CE,

CREDA, HO,

Raipur

Sub - Performance/Past Experience.

Dear Sir,

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

Sl.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.

ANNEXURE - "B"
Experience Certificate

Ref. No.....

Date.....

Certificate of Completion

This is to certify that **Name of Bidder, Address of Registered Office** has successfully completed the supply ofNos. Pumps (.....Scheme) andNos VFD controller against various Sanction of Name of Agency at various locations in.....State, as per following details –

Cap. of Pumps	Name of Scheme 1	Name of Scheme 2	Total no. of Pump
Total -	----	----	----
Total Order Amount -	----	----	----

This workmanship and performance of the systems are found satisfactory.

Seal & Sign
(Authorised Signatory)

ANNEXURE – “C”
Specifications of Controller/Drive

Sl. No.	Requirement	Specifications
1.	<i>Controller Power Capacity to drive the Pump</i>	Controller Power Capacity should match to Solar Panels Power Capacity, not Pump Capacity as stated in technical specification
2.	<i>Point Tracking (MMPT)</i>	Should track power only and not Voltage at Maximum power point
3.	<i>Enclosure</i>	The inverter must have IP54 protection or must be housed in a cabinet having at least IP54 protection.
4.	<i>DC Circuit Breaker Disconnect Switch</i>	Should be between Solar panels and controller
5.	<i>GSM/GPRS</i>	Controller shall be integrated with GSM/GPRS Gateway with Geo tagging. GSM/ GPRS Charges to be included in the Costing till the end of Warranty period of the Pump set
6.	<i>Protections</i>	<ul style="list-style-type: none"> • Dry Run • Open Circuit • Short Circuit • Reverse Polarity • Over Load • Over Temperature • Motor Jam Detection and Automatic Unjam with minimum 1.5 times of rated motor current for at least 30sec.
7.	<i>Display of Controller/Drive</i>	<p>Controller must have LCD Display. All Parameters and Faults/Protections should be clearly indicated on Display such as if controller shutdown with short circuit, it must clearly indicate on display as "Short Circuit" (No short cuts such as F1, F2 or any other indications). Below parameters must be appear on Display ON/OFF Status -</p> <ul style="list-style-type: none"> • Solar DC Voltage in Volts • Solar DC Current in Amps • DC Power in W/KW • DC Energy in Kwh • Output AC Voltage in Volts • Output Currents in Amps (minimum 2-Phases) • Rotating Frequency in Hz • All Faults/Protection Status
8.	<i>Data maintenance</i>	All parameters (as detailed above) from the Controller shall be pushed to Integrators/Bidder's cloud/web server for every 15 minutes and the same to be maintained for the entire CMC Period.

PRICE BID

PRICE BID FOR “Rates for Supply of AC Surface Pump,VFD controller (7.5HP,10HP) for solar pump installed under community irrigation scheme for maintenance work anywhere in the state of Chhattisgarh”.

SN	Particulars	Unit	Price in Rs. (Excluding GST)	GST in %
1	PUMP			
1.1	AC Surface pump set Cap.7.5 HP for solar pump	Nos.		
1.2	AC Surface pump set Cap.10 HP for solar pump	Nos.		
2	CONTROLLERS			
2.1	VFD Controller for AC Surface pump Cap.7.5 HP	Nos.		
2.2	VFD Controller for AC Surface pump Cap.10 HP	Nos		

These Rates are inclusive of insurance, Freight, Loading, unloading, transportation to the ordered site but excluding GST. GST shall be paid by CREDA in addition and in full on the produced bill at the rate applicable on the date of billing.

Date:-

**SIGNATURE OF TENDERER
COMPANY/FIRM SEAL**

NAME of FIRM :-

NAME IN FULL:-

DESIGNATION:-

Mob. no. :-

E-mail id :-



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, Raipur 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 the Supply of AC Surface pump,VFD controller (7.5HP,10HP) for solar pumps installed under community irrigation scheme for maintenance work anywhere in the state of Chhattisgarh Wide Tender No dateon the terms and conditions herein contained and the rates approved by the CREDA 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 fromtoor completion thereof, until this Contract shall be determined by such notice as is hereinafter mentioned, safely carryout, by means of labours 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 supply of " Pumps/VFD controllers" 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, engineering documents & drawings, so far they relate to the Tender No..... 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 materials as well as tools, appliances, machines, implements, vehicles for transportation, cartage etc. required for the proper execution of supply within the time prescribed in the work orders and /or as per the tender conditions.
4) Contractor shall provide 05 year warranty in supplied pump/VFD controller from the date of Supply as per the terms & conditions prescribed in the Tender N.....
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:(.....)

Name :

Designation:-

Designation :.....

Witness:

1. Name:-.....

2. Name:-.....

Address:-.....

Address:-.....