



CHHATTISGARH STATE RENEWABLE ENERGY DEVELOPMENT AGENCY (CREDA)
Bio-diesel Plant Premises, Near Energy Education Park, VIP Road, Raipur
Website: <https://creda.cgstate.gov.in> Phone: 08370009918

No.:- 12029/CREDA/ WSH/RE.CE-I/2018-19

Dated:13-08-2018

REQUEST FOR PROPOSAL (RFP) are invited from the manufacturers who are registered as channel partner/manufacturers of MNRE for Rate Contract for Supply, Installation & Commissioning of 5 KW (Minimum 60% of total Wind Solar Hybrid System) Wind-Solar PV Hybrid system consisting of Wind Turbine, Solar PV, Solar Charge Controller, Wind Charge Controller, Inverter, Batteries, Cables with 5 year COMC anywhere in the State of Chhattisgarh.

- (I) **Pre bid meeting of RFP on Small Wind Solar Hybrid System** will be at **1 P.M.** on **30.08.2018** in the office of Chief Engineer (RE-1), Bio-diesel Plant Premises, Near Energy Education Park, VIP Road, Raipur (C.G.)
- (II) Price bid to be submitted by **1.00 P.M.** on **05.09.2018** in the office of Chief Engineer (RE-1), Bio-diesel Plant Premises, Near Energy Education Park, VIP Road, Raipur (C.G.)
- (III) Technical bid to be opened at **3.00 P.M.** on **05.09.2018** in the office of Chief Engineer (RE-1), CREDA, **Bio-diesel Plant Premises, Near Energy Education Park, VIP Road, Raipur (C.G.)** Price bid will be opened on same day or may be other day, as per the decision of the Committee.
- (IV) Issued to

M/s. _____

(Bidder)

Date of Issue of Offer: _____

Money Receipt No. _____ Date _____ Amount ₹1,000/- (Rs. One Thousand Only) if purchased from CREDA Office, Raipur.

Signature of Officer issuing the documents

No.:- 12029/CREDA/ WSH/RE.CE-I/2018-19

Dated:13-08-2018

NOTICE INVITING RFP

REQUEST FOR PROPOSALS (RFP) are invited from the manufacturers, who are registered as channel partner of MNRE for Rate Contract for **Supply, Installation & Commissioning of 5 KW (Minimum 60% of total Wind Solar Hybrid System) Wind-Solar PV Hybrid system consisting of Wind Turbine, Solar PV, Solar Charge Controller, Wind Charge Controller, Inverter, Batteries, Cables with 5 years COMC, anywhere in the State of Chhattisgarh.**

RFP forms can be purchased from **till 04.09.2018** during office hours from this office on payment of **₹ 1000.00 (Rupees One thousand only)** in cash or D/D in favor of CREDA, Raipur. If the RFP is downloaded from website or received electronically then the Bidder should enclose a demand draft of **₹ 1000=00 (Rupees One Thousand Only)**, as RFP document cost, along with the RFP document during submission.

Pre bid meeting of Small Wind Solar Hybrid System will be at **1 P.M.** on **30.08.2018.**

Last date of depositing the sealed offers is **05.09.2018** till 1 PM, Technical bids will be opened at **3.00 P.M.** on **05.09.2018** in the office of Chief Engineer (RE-1), **Bio-diesel Plant Premises, Near Energy Education Park, VIP Road, Raipur (C.G).** Financial bid may be opened after scrutiny of technical bid on the same day or may be other day, as per the decision of the Committee.

Bidders must ensure the materials used for "**Supply, Installation & Commissioning of 5 KW (Minimum 60% of total Wind Solar Hybrid System) Wind-Solar PV Hybrid system consisting of Wind Turbine, Solar PV, Solar Charge Controller, Wind Charge Controller, Inverter, Batteries, Cables with 5 years COMC, anywhere in the State of Chhattisgarh**" shall be confirming with latest NIWE/MNRE/BIS specifications.

Bidders must have the **experience of installation & commissioning of** wind-solar hybrid system and should have at least following credentials:-

- 1) The Bidders should be an empanelled manufacturer as per MNRE /NIWE, Govt. of India.
- 2) The Bidders should have sufficient experience of installing wind-solar hybrid systems and should have installed minimum 100 KW total capacity Wind-Solar Hybrid systems in last 3 Years. Out of which a minimum 30 KW capacity of solar Hybrid system should be in Govt. / semi Govt. projects (Preferably in C.G.) & 70 KW or more may be in Pvt. Sector.
- 3) The small wind turbine should have been type tested & approved by NIWE/ MNRE.
- 4) The small wind turbine manufacturer should be empanelled in the latest (14th or later) empanelment list of MNRE.

Bidder has to deposit ₹ 50,000/- (Fifty Thousand only) in the form of DD as EMD in favor of CREDA, Raipur payable at Raipur. The EMD may be treated as SD after signing the agreement, however the total amount of SD thus deposited must not exceed 5% of the total work order value issued under this RFP. This SD amount may be released after Five Years.

CREDA reserves all rights to accept/reject any or all offer in full/part without assigning any reasons.

CE (RE-1) - CREDA

Check List

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

S. No.	Description	Attached	Not Attached
1	Earnest Money		
2	The original document duly signed & sealed on each page, as a confirmation of acceptance of Terms & Conditions (T&C) with document charge.		
3	A Copy of Registration as a Channel Partner/Manufacturer in MNRE.		
4	A Copy of GST registration & PAN & TIN		
5	Details of installation & Commissioning of at least installed total capacity of minimum 100 KW capacity of Small Wind-Solar Hybrid systems in last 3 Years anywhere in country along with copies of the orders and certificates from the customers, their address phone/fax/email.		
6	Declaration of the supplier about any relatives working with CREDA.		
7	Deviations, if any, from the specifications, terms & conditions etc.		
8	Whether validity of your offer is confirmed as per the document		
10	Availability of service facilities/office in Chhattisgarh		

Details of EMD & RFP Fee Attached

S.No.	Description
1	<p><u>Earnest Money Deposit</u></p> <p>Earnest Money Deposit of ₹...../-, submitted in the form of Demand Draft/Banker's Cheque, drawn onBank,..... Branch, bearing DD/BC No.....dated is attached herewith.</p>
2	<p><u>RFP Document Fee</u></p> <p>RFP Document Fee of ₹...../-, submitted in the form of Demand Draft/Banker's Cheque, drawn onBank, Branch, bearing DD/BC No.....dated.....is attached herewith.</p>

(Sign & Seal of the Manufacturer)

UNDERTAKING OF THE BIDDER

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

I/We hereby quoted our rates for Supply, Installation & Commissioning of 5 KW (Minimum 60% of total Wind Solar Hybrid System) Wind-Solar PV Hybrid system consisting of Wind Turbine, Solar PV, Solar Charge Controller, Wind Charge Controller, Inverter, Batteries, Cables with 5 year COMC, anywhere in the State of Chhattisgarh for CREDA as specified within the time stipulated in the schedule in accordance with all aspects with the standard specifications, designs, drawings and instructions with such conditions so far by MNRE/NIWE as applicable.

I/We agree to keep the RFP open for Ninety (90) days from the due date of submission thereof and not to make any modifications in its terms and conditions.

A sum of ₹ _____ is hereby forwarded as earnest money in the form of crossed demand draft. If I/We, fail to commence or complete the work 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 RFP 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 RFP 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/the State Govt.

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/TIN registration no. is _____
_____. 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:

Place:
seal
Witness

Signature:

Name:
Postal Address:

Signature
Name of Bidder with

RFP DOCUMENT FORM

The undersigned hereby submit RFP document and offer (subject to the Agency's conditions of RFP) to the Chhattisgarh State Renewable Energy Development Agency (CREDA) **For Supply, Installation & Commissioning of 5 KW (Minimum 60% of total Wind Solar Hybrid System) SWSH System (Small Wind Solar Hybrid System) consisting of Wind Turbine, Solar PV, Solar Charge Controller, Wind Charge Controller, Inverter, Batteries, Cables anywhere in the State of Chhattisgarh with Five years comprehensive operation & maintenance contract (COMC) and works which are described or referred in the Scope of work attached to RFP document.** The details of Technical Particulars, copies of which are annexed here to and which under the terms there of are to be supplied, executed and done by the contractor and to perform and observe the provisions and agreements or the part of the contract contained in or reasonable to be referred from the said RFP documents for the same and at the rates sets out in Schedule-I annexed hereto.

The questionnaire enclosed with this RFP document has been fully answered and is enclosed herewith (if the questionnaire is not answered in full, the answer to various question may be taken so as to be advantageous to CREDA unless contrary mentioned in the body of the RFP). Complete RFP document is also enclosed herewith duly signed on every page by the undersigned.

Signed this.....day of2018.

Yours faithfully,

BIDDER'S SIGNATURE
(With seal)

BIDDER'S ADDRESS

INSTRUCTIONS FOR OFFERER

The CE (RE-1), CREDA, HO, Raipur invites sealed RFP for **Supply, Installation & Commissioning of 5 KW (Minimum 60% of total Wind Solar Hybrid System) SWSH System (Small Wind Solar Hybrid System) consisting of Wind Turbine, Solar PV, Solar Charge Controller, Wind Charge Controller, Inverter, Batteries, Cables with 5 years COMC(Comprehensive Operation & maintenance contact) anywhere in the State of Chhattisgarh** from the manufacturers of the **Small Wind Solar Hybrid System** who are registered as channel partner/Manufacturer of MNRE. As per specification attached.

RFP should only be submitted in the office of Chief Engineer (RE-1), CREDA, Raipur by **1.00 P.M. on 05.09.2018**, offers received after the stipulated time and dates of submission, shall not be considered. Covers should invariably be super-scribed **RFP for Supply, Installation & Commissioning of 5 KW (Minimum 60% of total Wind Solar Hybrid System) wind-solar hybrid system consisting of Wind Turbine, Solar PV, Solar Charge Controller, Wind Charge Controller, Inverter, Batteries, Cables with 5 years COMC due on 05.09.2018**. Earnest Money should be deposited in the form of Demand Draft drawn in favor of CREDA, Raipur payable at Raipur. The technical bid of the RFP will be **opened at 3.00 P.M. on 05.09.2018 in the office of Chief Engineer, Bio-diesel Plant Premises, Near Energy Education Park, VIP Road, Raipur (C.G).** The price bids of the technically eligible bidders may be opened after the scrutiny of the technical bid on the same day or any other day as per the decision of the committee, which shall be communicated after the opening of Technical Bid.

1. **Eligibility and qualification criteria :**

The bidder shall meet the following requirements:

- i) The bidder should be reputed Manufacturer of SWSH systems and registered as a Channel Partner/Manufacturer of MNRE/NIWE and should have GST registration. The system should be as per latest MNRE/NIWE specifications. The bidder should have **work experience of Supply, Installation & Commissioning of 5 KW (Minimum 60% of total Wind Solar Hybrid System) Wind-Solar Hybrid System consisting of Wind Turbine, Solar PV, Solar Charge Controller, Wind Charge Controller, Inverter, Batteries, Cables and should have installed at least minimum 100 KW capacity of Small Wind-Solar Hybrid systems in last 3 Years anywhere in country.**
- ii) The installed system should be in satisfactory working condition for a minimum period of three years as on submission of RFP. Bidder should also have competency for design, supply, installation & commissioning of SWSH systems.
- iii) All test reports issued by SEC/OATCs for SWSH systems conforming to the MNRE/BIS specifications would be considered valid for the offer. The products should be as per latest MNRE/NIWE specifications (should be as per last updated specifications issued by MNRE under concerned program).
- iv) The net worth of the bidder during each of the last three consecutive years must be positive.
- v) Bidder shall furnish: Up-to-date GST registration no.
- vi) The bidder shall submit along with offer documents, audited Balance Sheets and Profit & Loss Account for the last three consecutive financial years.
- vii) The documentary evidence for meeting the eligibility criteria must mandatorily be submitted along with offer.
- viii) The bidder must provide copy of latest test report of their systems from NIWE/ Solar Energy Center or any other test center approved by Ministry of New & Renewable Energy (MNRE) along with copies of test report of their systems, the proof of having supplied, installed & commissioned at least total capacity of minimum 100 KW capacity of Small Wind-Solar Hybrid systems anywhere in country should also be enclosed. Certified by Competent authority.

2. **FOURPART BID:**

- a) EMD
- b) Offer form & Technical details and other documents (Technical bid)
- c) Price Bid (separately 1 for repair and 1 for maintenance)

Sealed offers are invited in four-part basis. **One** envelope (E-2) containing the **E.M.D.** clearly super-scribed EMD on Top, **Second** envelope (E-3) should contain the **RFP form** with required documents (**Technical details and other documents**) and technical details of the items for which price are being quoted, should be clearly marked as **Technical Bid**. **Fourth** envelope (E-4) of price bid should be clear marked as **PRICE BID**.

1. **All these envelopes shall be kept in sealed cover (E-1)** addressed to the CE (RE-1), CREDA, HO, Raipur with the name of work, offer specification number, due date of offer, amount & mode of E.M.D. and name of the bidder super-scribed on the cover. The envelope of price bid will be opened only if other three envelope's contents are found as per requirement. As per amendment the documents related to techno-commercial details & other eligibility documents of all the products for which rates are being quoted should be submitted. Price bid as stated below should be submitted by 1.00 P.M. on **05.09.2018**.

E-1 - Sealed Main Offer Envelope which will contain three sealed envelope (E-2 + E-3 + E-4)

E-2 - Sealed Envelope which will contain **EMD & its details**

E-3 - Sealed Envelope which will contain **RFP form & Technical details and other related documents (Technical Bid)**.

E-4 - Sealed Envelope which will contain sealed envelopes of **Price Bid**.

2. Please note that each price bid should be kept in a separate sealed envelope (E-4-1, E-4-2, E-4-3 & E-4-4) should mark the name of the item for which the price bid is quoted). **On the top of each of these sealed envelopes the name of the product/system should be clearly typed or hand written, for which the rates are quoted. Only those price bids should be submitted for which rates are being quoted.** Bidder should not submit any blank price bid. Bidder should enclose the **Technical & Commercial details and other related documents** of only those items for which the rates are being quoted in envelope E-4.

All the envelopes should have clear headings, stating the RFP number & the categories of SYSTEMS for which rates are quoted.

3. When RFP is delivered by special messenger, it should be handed over to assigning Officers, in the office of **Chief Engineer (RE-1), CREDA, H.O, Raipur till due date and time.**
4. Full descriptive particulars and complete specifications should accompany the RFP. **RFP should be kept open for acceptance for at least three months from the date of opening.** Those who do not agree for validity of three months will do so at their own risk and no request for extension will be intimated from this office. However if due to circumstances beyond control, bidders are advised to extend the validity, they shall not be permitted to revise their rates, offer any rebate or concession, while extending the validity which may materially result in any reduction or increase in the computed price of their original offer.
5. The terms and conditions and specifications mentioned in RFP specifications shall be binding on the bidder and no condition or stipulation contrary to the conditions shall be applicable. Please note that the bidders who do not accept terms and conditions stipulated in this RFP specifications, their RFP shall be liable to be out rightly rejected without assigning any reason whatsoever.
6. **Each page of RFP document & enclosures shall be signed by the bidder and affix the seal. All the pages of the documents issued must be submitted along the RFP.**
7. CREDA reserves the right (i) to reject any or all RFP **in part or full** or to accept any offer considered advantageous to CREDA whether it is the lowest offer or not and (ii) to split the quantities against the RFP on more than one firm for the same items/ work. (iii) to reject the eligibility of any one or more bidder out of two or more who have submitted the documents against the eligibility criteria claiming for same items/systems. Under such condition the bidder who has supplied/ installed / manufactured the system shall be consider eligible. No reason will be assigned by CREDA for this and will be binding on the bidders.

8. In case of any corrections / alterations done in the RFP, the bidder should sign the same otherwise RFP may not be considered.
9. RFP through Telegraph/ Fax /Emails or open RFP received will not be considered and summarily rejected.
10. All the bidders shall essentially indicate the break-up of prices as shown in RFP form. In case any of the charges are not included in the quoted prices, the same shall be clearly shown as extra, indicating specifically the rate/scale of such charges.
11. **EARNEST MONEY :**
Bidder has to deposit ₹ 50,000/- (Rs. Fifty Thousand only) in the form of DD as EMD in favor of CREDA, Raipur payable at Raipur. The EMD may be treated as SD after signing the agreement, however the total amount of SD thus deposited must not exceed 5% of the total work order value issued under this RFP. This SD amount may be released after Five Years. The RFP not accompanied with earnest money or accompanied with inadequate earnest money will summarily be rejected and returned unopened.
12. **EXEMPTION FROM PAYMENT OF EARNEST MONEY:**
 - i) SSI Units of Chhattisgarh State for the items for which these units are registered. Valid updated Certificate for such exemption should be attached with the tender document.
 - ii) Fully owned State Government/ and Central Govt. manufacturing units will qualify for this exemption only if the State/ Central Govt. for which documentary evidence must be made available holds 100% shares. Valid updated Certificate for such exemption should be attached with the tender document.
 - iii) SSI units having valid NSIC certificate clearly mentioning the capacity of manufacturing SWSH System.
13. **FORFEITURE OF EARNEST MONEY DEPOSIT:**
It should be clearly understood that in the event of bidder failing to enter into the agreement in the prescribed format and to execute work ordered, within stipulations on the rates quoted by him, if he is so communicated within the validity period of the RFP, the full amount of the earnest money will be forfeited and CREDA's decision in this respect will be final and binding on the bidder. However the EMD shall be treated as security deposit after placement of orders.
14. **PRICE:**
The prices quoted should be firm and F.O.R. Destination including all taxes and duties and any other incidental charges & COMC indicated as required. The final rates under Rate Contract will be valid for **01 year** from the date of agreement; however this validity may be extended for a period of another **02 year** on mutual consent of CREDA and Manufacturer/Channel Partner of MNRE.
15. **INCOME TAX/ SALES TAX/GST CLEARANCE CERTIFICATE:**
The Bidder shall furnish Income Tax/ Sales Tax/GST clearance certificates from competent authority. Alternatively the Bidder shall give reasons for his inability to furnish such a clearance certificate. CREDA reserves the right to reject any tender, if Income Tax/Sales Tax/GST clearance certificates or the reasons for the Bidder's inability to furnish such a certificate are not furnished. TDS shall be recovered under Income Tax Act and Commercial Tax Acts in vogue.
16. **JURISDICTION OF THE COURT:**
Any dispute arising out of the contract shall be subject to the jurisdiction of court at Raipur.

CE (RE-1), CREDA

GENERAL CONDITIONS OF CONTRACT

1. DEFINITION OF TERMS:

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

CREDA shall mean the Chhattisgarh State Renewable Energy Development Agency represented through the CEO.

The "Engineer in charge" shall mean the Engineer or Engineers authorized by CEO, for the purpose of this contract. CREDA Engineer shall mean any Engineering person or personnel authorized by CREDA to supervise **Supply, Installation & Commissioning of 5 KW (Minimum 60% of total Wind Solar Hybrid System) Wind-Solar Hybrid System consisting of Wind Turbine, Solar PV, Solar Charge Controller, Wind Charge Controller, Inverter, Batteries, Cables and should have installed at least total capacity of minimum 100 KW capacity of Small Wind-Solar Hybrid systems in last 3 Years anywhere in country.**

"The contractor" shall mean the successful bidder 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 these 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 contractor 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 under hand.

2. CONTRACT DOCUMENT:

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

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 r or MNRE/NIWE or relevant BIS Specifications (where ever required), to the reasonable satisfaction of CREDA

4. CONTRACTORS DEFAULT LIABILITY:

CREDA upon written notice of default to the contractor may terminate the contract in circumstances detailed hereunder:

- (a) If in the judgment of the CREDA, the contractor fails to supply the items within the time specified in the contract agreement or within the period for which extension has been granted by CREDA to the contractor.
- (b) If in the judgment of CREDA, the contractor fails to comply with any of the provisions of this contract.
- (c) In the event CREDA does not terminate the contract as provided in paragraph (a) the contract shall continue performance of the contract in which case he shall be liable to CREDA for penalty for delay as set out in this contract until the work is completed.

5. 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 act of God, acts of public enemy, acts of government, cyclone, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes provided that the contract, shall within 10 (ten) days from the beginning of such delay notice to CREDA in writing of the cause of delay. CREDA shall verify the facts and grant such extension as facts justify.

6. **REJECTION OF WORKS:**

In the event of any of the material supplied by the contractor is found defective in material or workmanship or otherwise not in conformity with the requirement of this contract specifications, CREDA shall both reject the material and / or work and advise the contractor to rectify the same. The contractor on receipt of such notices rectify or replace the defective material and rectifies the work, free of cost. If the contractor 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 contractor plus fifteen percent penalty from the contractor and/ or terminate the contract for balance work/ 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 contractor shall be liable for any loss/ damage sustained by CREDA due to defective work.

7. **WARRANTEE PERIOD:**

The work done by the contractor as per specifications should be warranted for satisfactory operation for a period of Sixty months (5 years) from the date on which the Supply, Installation & Commissioning of 5 KW (Minimum 60% of total Wind Solar Hybrid System) Wind-Solar Hybrid System consisting of Wind Turbine, Solar PV, Solar Charge Controller, Wind Charge Controller, Inverter, Batteries, Cables is completed. The above warrantee will include one year replacement guarantee on system & 4 year covered under COMC contract. Certificate shall be furnished in triplicate to CREDA at the time of billing. Any defect noticed during this period should be rectified by the supplier free of cost upon written notice provided such defects may be due to bad workmanship or bad materials used.

8. **TERMS OF PAYMENT:**

The following terms of payment shall apply for the tender in case of CREDA Purchase: -

- a) 50% against the Material Delivery at site as per relevant CREDA rules.
- b) 45% against the installation, commissioning & testing at the site as per relevant CREDA rules.
- c) Remaining 5% of the total work order value issued under this RFP may be released after Five Years as per CREDA rules.

9. **PENALTY FOR DELAY IN COMPLETION OF CONTRACT:**

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

10. **SECURITY DEPOSIT:**

The EMD may be treated as SD after signing the agreement, however the total amount of SD thus deposited must not exceed 5% of the total work order value issued under this RFP. This SD amount may be released only after Five Years or on submission of Bank Guarantee of equivalent amount valid for FIVE YEARS. The bank guarantee shall be executed in stamp paper worth `250/- or as per the prevailing legal requirements. No interest shall be payable on the Security Deposit. However the SSI units having valid registration under NSIC shall be exempted from security deposit.

CE (RE-1) - CREDA

ADDITIONAL TERMS AND CONDITIONS

1. The manufacturer must be channel partners of MNRE/NIWE for SWSH systems.
2. The manufacturer **should have installed at least total capacity of minimum 100 KW capacities of Small Wind-Solar Hybrid systems in last 3 Years anywhere in country** which are currently running properly. MNRE sanction letters for the same should be produced.
3. The manufacturer should have minimum 03 years experience of Supply, Installation & Commissioning of required Small Wind-Solar Hybrid systems.
4. The manufacturer shall supply all technical literature and drawing considered necessary for the installation, operation and maintenance of the equipment and its fittings. These shall essentially include:-
 - a) Drawing showing over all dimensions and all other details including sectional view of the equipments.
 - b) List of parts with reference to nos.
 - c) Manual of instructions for the operation, maintenance and repairs/equipment and special fittings, if any.
 - d) Checking methods and schedule for cleaning the system.
 - e) Any other relevant technical data which would be of assistance for efficient operation and maintenance of the system including energy savings etc.
5. The supplier shall train beneficiary organization's/Department's personnel for the operation and maintenance of the equipment for a particular period, mutually agreed between the supplier and the beneficiary organization/Department.
6. The suppliers will have to undertake repair of the system installed by them, in case of any defect arising out of any point of time during warranty period. Supplier will attend the minor complaints within 48 hours of receiving the complaint otherwise penalty to be recovered per day as decided by the Engineer-in-charge.
7. The supplier shall guarantee the performance of the system of the rated output.
8. All the elements of the system which fail due to manufacturing defect within the period of guarantee shall be replaced by the bidder free of cost. After the guarantee period the system will come under COMC so that total 5 year trouble free operation maintained. The COMC period will be extendable further by mutual contract.

Note: - These terms & conditions will be in addition to already existing conditions of the RFP.

SCOPE OF WORK:

In the work of Supply, Installation & Commissioning of **Supply, Installation & Commissioning of 5 KW (Minimum 60% of total Wind Solar Hybrid System) Wind-Solar PV Hybrid system consisting of Wind Turbine , Solar PV, Solar Charge Controller, Wind Charge Controller, Inverter, Batteries, Cables with 5 years Of COMC anywhere in the State of Chhattisgarh.** Systems should confirm to the relevant standards or specification laid down in the tender with warranties as specified in the RFP, on turnkey basis. **The rates shall be quoted separately on separate price bid (to be enclosed in envelope E-4). Each Price Bid should be kept in a separate sealed envelope (E-4-1, E-4-2, E-4-3 & E-4-4). On the top of each of these sealed envelopes the name of the product/system should be clearly typed or hand written for which the rates are quoted. All these sealed envelopes should be sealed in the E-4 envelope. Only those price bids should be submitted for which the rates are being quoted & technical bid are submitted.**

CREDA also intends to supply, installation & Commissioning of various SWSH systems in the State of Chhattisgarh as per the requirements of clients for following applications:-

- Remote Village Electrification Application
- Domestic Application
- Power Generation
- Mobile Towers

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 bidder 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 Unit of Chhattisgarh State | : | Yes/No |
| | If yes, write registration No. | : | |
| | a) Whether documentary evidence
Regarding registration enclosed | : | |
| | c) Items for registration | : | |
| | d) Period of registration | : | |
| 06. | Whether the firm is 100% owned by | | |
| | a) State Government | : | Yes/No |
| | b) Central Government | : | Yes/No |
| | If yes, Notification/certificate issued from
The competent authority to this effect is
Enclosed | : | Yes/No |
| 07. | a) Whether the bidder is old participant
with CREDA | : | Yes/No |
| | b) Whether bidder is having NSIC certificate | : | Yes/No |
| | c) If yes, whether documentary
Evidence is enclosed. | : | Yes/No |
| 08. | Any other information that bidder may like
to give in order to highlight his bid | : | If yes, give details |

PLACE :

SIGNATURE OF BIDDER
NAME IN FULL

DATE:

DESIGNATION/STATUS

FIRM/COMPANY SEAL

SCHEDULE - I

PART 'B': COMMERCIAL INFORMATION

(Strike off, which ever 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 : SSI Unit of C.G.
bidder / Fully Owned State/Central Govt. Unit
NSIC registered SSI unit
- iv) Reference of documentary : Yes/No
evidence regarding exemption enclosed.
02. Whether the offer is valid for 01 year : Yes/No
from the date of opening of commercial/
technical bid.
03. A) Concessional Sales Tax /GST : a) Concessional Central sales
Tax/Commercial : Tax against declaration form & GST
declaration.
b) Concessional State Sales
Tax/Commercial : tax against declaration form.
- B) Rate of Sales Tax/GST 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 :
- b) If conditional State condition :
05. **PAN** :
06. **TIN** :
07. **S. Tax/GST Registration No.** :
08. **PAYMENT TERMS:**
- Whether CREDA's terms of payment is acceptable to bidder : Yes/No
09. **COMPLETION PERIOD OF WORK:**
- Whether bidder is agreeing for completion period of work as : Yes/No
specified in the RFP
10. **PENALTY CLAUSE:**
- Whether agreeable to CREDA's Penalty Clause : Yes/No
11. Whether agreeable to CREDA's clause of warrantee period : Yes/No
12. **SECURITY DEPOSIT:**
- Whether Security Deposit clause is understood : Yes/No
13. Indicate State, Central Sales Tax/GST Registration Number : State
(Please Note that in case of non-registration with Sales Tax : Central
Department Purchase Tax as admissible shall be deducted by
the Purchaser from the Bills of the supplier)
14. Whether photocopy of the clearance from Income Tax & Sales : Yes/No
Tax Deptt. and profit & loss Account and Turn over for last
(If no, then give details) 3 years up to the last financial year
have been enclosed.
15. Please mention whether rates offered are : Yes/No
applicable for part quantities.

DATE:

SIGNATURE OF BIDDER
NAME IN FULL
DESIGNATION/STATUS
FIRM/COMPANY SEAL
RFP Page 14 of 22

SCHEDULE - I

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 : Yes/No
State Nodal Agency or from other Organization for similar materials (if yes, give details)
enclosed.
03. Whether performance certificate from such Organization regarding : Yes/No
supplies is enclosed. (if yes, give details)
04. Whether pamphlets/technical details literatures along with drawing etc. : Yes/No
furnished with the offer (if yes, give details)
05. Whether the Bidder agrees to furnish material test certificates in : Yes/No
respect of chemical composition and physical properties from Govt./
Govt. approved lab with each batch of supplies.
06. Whether the Bidder has furnished details of manufacturing : Yes/No
equipments and short history of plant (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 BIDDER

DATE

NAME IN FULL.....

DESIGNATION/STATUS.....

FIRM/COMPANY/SEAL.....

SCHEDULE - II

PAST EXPERIENCE

From:
Bidder's Name & Address: -

To,
The CEO,
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

DATE

SIGNATURE OF BIDDER

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.

**MINIMUM TECHNICAL SPECIFICATIONS OF VARIOUS
COMPONENTS
OF SMALL WIND SOLAR HYBRID SYSTEM**
(Revised based on inputs received from some experts/manufacturers)

Details of various equipment / sub-equipments its quantities and technical specifications for installation and commissioning of 5 KW (Minimum 60% of total Wind Solar Hybrid System) capacity Wind-Solar hybrid system

1) Wind Turbine

Sr. No	Components and specification	Quantity
1	Wind Aero generator	1 set
2	Model	MNRE Approved model
3	Capacity	3.1 KW @11 m/s and 5 KW @14 m/s
4	Make	MNRE approved make
5	Power output @ 11 m/S	3100 Watt
6	Peak output	5000 Watt
7	Voltage / Frequency	240 V / 50 Hz.
8	Cut in speed	2.5 m/s
9	Rated wind speed	14 m/s
10	Survival wind speed	60 m/s
11	Over speed limit	450 RPM
12	Generator type	Permanent magnet- 3 Phase
13	Poles	9 poles
14	No of Blades	03 Nos.
15	Rotor Diameter	5 Meter
16	Swept area	19.63 M ²
17	Blade material	Fiber glass reinforced epoxy
18	Drive system	Direct drive
19	Yaw system	Passive by tail vane
20	Breaking Mechanism	Automatic Furling system
21	No. of wind turbines	01 Nos.

2) Solar PV Modules:

Sr. No	Components and specification	Quantity
1	SPV Modules	Capacity 315 watt/ Equivalent
2	Capacity	1.9 KWp
3	Make	Akshya Solar/ Vikram Solar/ Canadian Solar / APS Solar etc/MNRE approved
4	Peak power per module	315 Watt per module
5	Approx. Weight	31.0 Kg
6	Approx. Dimension W*H*D	1956×992×40MM
7	Temperature	-40to +90 deg c
8	Humidity	0 to 100%
9	No of SPV modules	315 Watt× 6 nos. or Equivalent

3) Wind Charge Controller

Sr. No	Components and specification	Quantity
1	Type	Wind Charge Controller
2	Models	5 KW /240V DC
3	Capacity	5000 Watt peak
4	Monitoring of	Voltage Current Instantaneous Wattage (W) Record the total power generation KWh
5	LCD Display	Clear alpha-numeric display, with energy saving backlight feature
6	Protection	Protected against battery low and battery high conditions. PWM Mode based automated diversion load control.
7	Cabinet construction	Powder coated sheet metal enclosure
8	Cabinet Dimensions (LXWXH)	420X310X200 MM
9	Cabinet Weight	5 Kg
10	Operating Temperature Rang	0°C to 50°C
11	Relative Humidity	95% (non-condensing)
12	Degree of protection	IP20
13	No of Controllers	01 Nos.
14	Copper Cable from SPV modules to power centre including inter connection	ISI standard of appropriate sizing Polycab Make
15	Copper cable from WEG top to power centre	ISI standard of appropriate sizing polycab make
16	Support structure for solar PV Panels	M.S with Paint
17	Energy meter	Generations side as well consumption side energy meter
18	Transportation	From factory to site
19	System Design , erection and commissioning	System should be design as per the MNRE specification
20	Civil work for tower foundation	RCC Construction 1:3:6
21	Charger wind	1 Nos.
22	Solar charge controller	Inbuilt In Inverter

4) Battery Bank

Type of batteries	Lead acid tabular batteries
Capacity	48 V / 400Ah
Voltage configuration	48 V
Rate of discharge	80%
Make	Any IS mark lead acid (Mahabat or equivalent)
No of Batteries	08 Nos.

5) Inverter

1	Type	5 KVA IGBT Based UPS
2	Output Volt Amp Capacity (VA)	5000
3	Output Watt Capacity	4000 Watt
4	DC System Voltage	48 V
5	Load Capacity	>110% faulty after 300 ms
6	Phases	1 Phase- 3 Wire (L.N.E)
7	Output AC Waveform	Pure Sine wave
8	Efficiency	>88%
9	LCD Indications	UPS ON , Battery Low, Mains ON, Charging , Over Load
10	Switches	1) Switch control off / on power status
11	Cooling Method	Forced air cooled
12	Housing Material	Powder Coated / painted MS
13	Operating Temp	0°C to 50°C
14	Relative Humidity	95% (non – condensing)
15	Degree of protection	IP 20
16	Input Connection Type	Hard Wire

6) Tower

Sr. No	Components and specification	Quantity
1	Type	Tabular tower with guy wire supported
2	Material of construction	MS
3	Finish	Paint
4	Approx. Tower Height	15-18 m (ground mounting)
5	No of towers	01 Nos.

PRICE BIDS

FOR

TO BE ENCLOSED

IN

SEPARATE ENVELOPE



To be kept in a separate envelope E-4 properly sealed & submitted inside envelope E-4

PRICE BID-(Small Wind Solar Hybrid System)

Small Wind Solar Hybrid System - To design, supply and installation & commissioning of 5 KW (Minimum 60% of total Wind Solar Hybrid System) Wind-Solar PV Hybrid system consisting of Wind Turbine , Solar PV, Solar Charge Controller, Wind Charge Controller, Inverter, Batteries, Cables & Instrumentation / Support structure & Civil work including GST and with 5 years COMC(Comprehensive Operation & Maintenance Contract) which include 1 year replacement guarantee against manufacturing offences & 4 year of COMC.

(Note: - Bidders should have Provide every items rate Exclusive GST & including GST)

Price List:-

Sl. No.	Particular	Required Wind Capacity (Minimum 60% of total Wind Solar Hybrid System)	Matching Solar System (40% of total capacity)	System Rate i/c one year of replacement guarantee		COMC		Rate of Complete system inclusive of COMC & GST(in ₹)
				Rate (in ₹)	Applicable GST (in ₹)	Rate (in ₹)	Applicable GST (in ₹)	
01.		5 KW						
02.								
03.								
04.								
05.								
06.								
07.								
08.								
09.								
10.								
11.								
12.								
13.								
14.								
15.								

* The complete ordered material should be insured in transit. CREDA/Customer should not be held responsible for any damage of material in transit.

**The above rates shall be inclusive of all packing, forwarding, transportation, freight, supply, installation & commissioning at the user organization, premises anywhere in the State of Chhattisgarh.

Place :

Date :

Seal & Signature of the Bidder



Agreement

This agreement is hereby made today the _____ day of _____ 2018 at _____ between M/s _____, a company / firm registered under the Companies Act, 1956 / Partnership Act / _____ Act, having its registered office at _____, (hereinafter called as "Bidder", the term which includes its successors, assigns and legal heirs), through _____, resident of _____ on one hand and Chhattisgarh State Renewable Energy Development Agency-CREDA registered under Societies Act having its Registered office at **Bio-diesel Plant Premises, Near Energy Education Park, VIP Road, Raipur** (hereinafter called as "CREDA" the term which includes its successors, assigns and legal heirs) through **Shri S. M. Deshpande , CE, CREDA, Gitanjali Nagar , Raipur**, on the other hand on the following terms and conditions:-

1. Whereas, the "CREDA" intends to **Supply, Installation & Commissioning of 5 KW (Minimum 60% of total Wind Solar Hybrid System) Wind-Solar PV Hybrid system consisting of Wind Turbine , Solar PV, Solar Charge Controller, Wind Charge Controller, Inverter, Batteries, Cables anywhere in the State of Chhattisgarh from the manufacturers of the SWSH who are registered channel partner of MNRE.** "Bidder" had submitted their rates and agreed to repair the "Work" to CREDA on the rates appended hereto in Annexure No. 1, as per the terms and conditions of the offer already agreed upon, and,
2. The system is guaranteed for 5 years trouble free operation (1 year replacement guarantee & 4 years will be covered by comprehensive operation & maintenance contract). Whereas, the rates quoted by the "Bidder" are inclusive of all taxes, duties, levies, transport and all other incidental expenses F.O.R. at site and the "Bidder" shall not increase the rates of the "Work" **up to 01 year from the date of agreement** and the rates mentioned in Annexure -1 shall be valid for a further period of Twenty Four months or more with mutual agreement, and,
3. Whereas, the "Bidder" 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 "Chief Executive Officer, CREDA" shall be final and binding on both the parties,
5. Whereas, it is agreed upon that all the terms and conditions of the offer 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 Raipur,

In witness whereof, both the parties thereto, put their signatures below:

Witness

1-----

2-----

**For and on behalf of
"Bidder"**

**For and on behalf of
"CREDA"**