



## Chhattisgarh State Renewable Energy Development Agency (CREDA)

(Dept. of Energy, Govt. of Chhattisgarh)

Near Energy Education Park, Village Fundhar

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**E-mail: [creda.om@gmail.com](mailto:creda.om@gmail.com), Website: [creda.co.in](http://creda.co.in)**

**BID DOCUMENT No. 1770/CREDA/HOR/RE-II/Battery Bank/2021-22 DT. 07-06-2021**

**“STANDARDIZATION OF RATES FOR SUPPLY OF LEAD ACID BATTERIES (LMLA BATTERY BANK FOR SOLAR APPLICATION OF DIFFERENT CAPACITIES) WITH FIVE YEARS ONSITE WARRANTY CONFORMING TO THE BIS AND MNRE STANDARDS AND BUY BACK OF SCRAP BATTERIES ANYWHERE IN THE STATE OF CHHATTISGARH”**

**RFX NO. 8100022135**

Particulars	From Date & Time	To Date & Time	Place
Date of issue of notice inviting bid	07-06-2021 05:00 pm	----	<a href="http://www.creda.co.in">http://www.creda.co.in</a>
Period of availability document at website of bidding	07-06-2021 05:00 pm	07-07-2021 05:00 pm	
Pre Bid submission of queries in writing	22-06-2021 11:00 am	22-06-2021 05:00 pm	At CREDA Conference Hall HO Raipur
Inspection of Materials by Bid Committee as per Valid Test Report and Submission of Summary of Test Report and M.A.F.	26-06-2021 11:00 am	26-06-2021 05:00 pm	At CREDA Conference Hall HO Raipur
Submission of Technical Bid	07-07-2021 11:00 am	07-07-2021 05:00 pm	At CREDA Conference Hall HO Raipur
Submission of e-Price Bid	07-06-2021 05:00 pm	07-07-2021 05:00 pm	<a href="http://www.cspc.co.in">http://www.cspc.co.in</a>
Opening of Technical Bid	08-07-2021 11:00 am	08-07-2021 03:00 pm	At CREDA Conference Hall HO Raipur
Declaration of Eligible Bidder	08-07-2021 05:00 pm	----	At CREDA Conference Hall HO Raipur
Opening of e- Price Bid	09-07-2021 12:00 Noon	09-07-2021 05:00 pm	At CREDA Conference Hall HO Raipur

**Document Cost— Rs.10,000.00 + 18% GST = Rs.11,800.00**

**(in words Rupees Eleven Thousand Eight Hundred Rupees Only)**

Document can also be downloaded from our website [www.creda.co.in](http://www.creda.co.in) with the cost of Bid as mentioned in NIT, which shall have to be deposited along with the Bid document.

**CHATTISGARH STATE RENEWABLE ENERGY DEVELOPMENT AGENCY**  
**CONTENTS**

Section	Description	Page No.
	Cover Page, Contents etc.	1 – 2
	Notice Inviting BID	3 – 4
	Check List	5
	Details of EMD and Bid Fee	5
	Undertaking of the Bidder	6
<b>1</b>	<b>Instruction For Bidder</b>	<b>7 – 12</b>
	Eligibility Criteria	7 – 8
	EMD/Submission of Documents/Specific Amendments/GST&TIN	8 – 9
	Analysis of Rate/Registration of Bidder etc.	9 – 10
	Technical Criteria/ Engineering Documents/ Samples.	11 – 12
<b>2</b>	<b>General Condition of Contract</b>	<b>13 – 18</b>
	Definitions/Proof of Manufacturer/Contract Document/Manner of execution	13
	Variations, Additions & Omissions/Inspection/Completion work	13 – 14
	Eligible Bidder Default Liability/Force Majeure/Rejection of works etc.	14
	Terms of Payment/ Security Deposit/Agreement	15 – 17
	Bid Evaluation Criteria / Allocation of Work	18
<b>3</b>	<b>Scope of work and Technical Specifications</b>	<b>19 – 23</b>
	Scope of Work	19
	Technical specification of LMLA batteries	20 – 21
	Factory Test	22
	Site Test	22
	Transportation and storage at site	22
	Training	22 –23
<b>4</b>	<b>e-Price Bid, Agreement and Schedules</b>	<b>24 – 39</b>
	e-Price Bid	24 – 25
	Draft Agreement Annexure-I	26 – 30
	Schedule - I Part-A	31
	Schedule - II Part-B	32
	Schedule - III Part-C	33
	Schedule - IV - Technical Deviations	34
	Schedule - V - Past Experience	35
	Annexure - II - Certificate of completion of supply of batteries	36
	Annexure - III – Format of Affidavit	37 – 38
	Annexure - IV – Benchmark cost of LMLA battery bank (in Rs. per unit) for different capacities	39

### NOTICE INVITING BID

CREDA invites sealed Bids from the manufactures (i.e. OEM) or their only one authorized dealer/distributor for **“Standardization of rates for Supply of lead acid batteries (LMLA battery bank for solar application of different capacities) with five years onsite warranty conforming to the BIS and MNRE standards and buy back of scrap batteries anywhere in the state of Chhattisgarh”** from registered vendors of CREDA with 3 years track record in battery manufacturing/supply, as per following details -

Sl.No.	Item Description	Approximate value of purchase	Cost of Bid Document	EMD	Essentials
1	Supply of lead acid batteries (LMLA battery bank) of different capacities for Solar Application anywhere in the State of Chhattisgarh.	<b>Rs. 10.00 Crore (15000 Batteries)</b>	Rs. 10000.00 +18% GST = Rs.11800.00	Rs.500000.00	As per clause no. 1A to 1H of Eligibility Criteria <b>(Page no.7-8)</b>
2	Buy-back of Scrap Batteries (Used Batteries), anywhere in the state of Chhattisgarh.				
<b>TOTAL</b>		<b>Rs. 10.00 Crore</b>	<b>Rs. 11,800.00</b>	<b>Rs. 5,00,000.00/-</b>	<b>----</b>

The quantity of Batteries to be purchased is not fixed. The purchase quantity will depend on the demand received from various field offices of CREDA.

**Important Events and time schedule for this Bid are as follows –**

Particulars	From Date & Time	To Date & Time	Place
Date of issue of notice inviting bid	07-06-2021 05:00 pm	----	http://www.creda.co.in
Period of availability document at website of bidding	07-06-2021 05:00 pm	07-07-2021 05:00 pm	
Pre Bid submission of queries in writing	22-06-2021 11:00 am	22-06-2021 05:00 pm	At CREDA Conference Hall HO Raipur
Inspection of Materials by Bid Committee as per Valid Test Report and Submission of Summary of Test Report and M.A.F.	26-06-2021 11:00 am	26-06-2021 05:00 pm	At CREDA Conference Hall HO Raipur
Submission of Technical Bid	07-07-2021 11:00 am	07-07-2021 05:00 pm	At CREDA Conference Hall HO Raipur
Submission of e-Price Bid	07-06-2021 05:00 pm	07-07-2021 05:00 pm	http://www.cspc.co.in
Opening of Technical Bid	08-07-2021 11:00 am	08-07-2021 03:00 pm	At CREDA Conference Hall HO Raipur
Declaration of Eligible Bidder	08-07-2021 05:00 pm	----	At CREDA Conference Hall HO Raipur
Opening of e- Price Bid	09-07-2021 12:00 Noon	09-07-2021 05:00 pm	At CREDA Conference Hall HO Raipur

Price Bid shall be submitted online only at <http://www.cspc.co.in>, however Technical bid will have to be submitted in hard copy at Chief Engineer (RE – III) Section, Near Energy Education Park VIP Road, Raipur. Bidders are advised to follow the instructions provided for Registration and e-Submission Process accordingly. (for any query about e-bidding please visit user manual at <http://www.cspc.co.in>.)

**Details of this Bid are mentioned at Bid Documents which can be downloaded from our website [www.creda.co.in](http://www.creda.co.in). The Bidder should have to deposit Bid document cost along with EMD as mentioned above through demand draft payable to CREDA Raipur while submitting Bid.**

Bidders are requested to attend Pre-Bid meeting with their suggestions/objections/ reservations if any with details so as to avoid any confusion and to ensure clarity and transparency regarding the Bid. CREDA reserves all rights to accept/reject any or all Bids in full/part without assigning any reasons. Any amendments in the tender shall only be notified through the website of CREDA.

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

**Details of bank account for RTGS/ NEFT :**

<b>Name</b>	<b>CREDA</b>
<b>Bank &amp; Branch Name</b>	<b>ICICI Bank, Panchpedi Naka, Raipur</b>
<b>Bank Account Number</b>	<b>134601000400</b>
<b>Branch IFSC Code</b>	<b>ICIC0001346</b>

**CHECK LIST**

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

Sl. No.	Description	Complied	Page No. / Flag
1.	Earnest Money Deposit		
2.	Bid 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 Acknowledgement of Application for registration as vendor for batteries in CREDA in SPV Programme for FY 2021-22.		
5.	Copy of Approved Test Reports/Acknowledgement of submission of sample for testing in the name of Bidder/manufacturer as per eligibility criteria.		
6.	Original Net Worth Certificate and Turnover Certificate duly signed by Chartered Accountant		
7.	Completion and Performance Certificates of Supply of LMLA battery bank by the Bidder in Govt Scheme of any state or Market Mode Scheme of CREDA wherever applicable.		
8.	Proof of being Eligible Manufacturer of Batteries in the name of manufacturer.		
9.	Copy of certificate for last three years turnover of works done regarding Batteries supply.		
10.	Declaration of conflict of interest - by bidder about any relatives working with CREDA and Affidavit as per Annexure - III		
11.	Copy of Valid license / authorization from Central Pollution Control Board, Govt. Of India/ Pollution Control Board of any State of India		
12.	Manufacture Authorization certificates of Batteries		
13.	Forwarding Letter & Undertaking by the Bidder		
14.	PAN, GSTIN, Copy of ITRs for last three FY of the Bidder		
15.	Undertaking on indigenoussness of components		
16.	Self-certificate from Bidder on not being a debarred from Government contract or a blacklisted company.		
17.	Undertaking for the remaining test reports (for which acknowledgements have been submitted) submission within 90 days from the date of agreement.		

**Details of EMD and Bid Fee**

Sl. No.	Description
1.	<b>Earnest Money Deposit -</b> Earnest Money Deposit of Rs. ...., submitted in the form of Demand Draft / Banker’s Cheque from any scheduled bank drawn on _____ Bank _____ Branch, bearing DD/BC No. _____ dated _____/RTGS/NEFT with UTR is attached herewith.
2.	<b>Bid Document Fee -</b> Bid Document Fee of Rs....., submitted in the form of Demand Draft / Banker’s Cheque from any scheduled bank drawn on _____ Bank _____ Branch, bearing DD/BC No. _____ dated _____/RTGS/NEFT with UTR is attached herewith.

(Sign & Seal of the Manufacturer)

**UNDERTAKING OF THE BIDDER**

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

I/We hereby Bid 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 Bid 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. ....**is hereby forwarded as **Earnest Money** in the form of crossed demand draft / RTGS / NEFT payable to CREDA at Raipur (C.G.). If I/We fail to commence or complete the Work Ordered in specified time or fail to fulfil the any condition of Bid document, 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 Bid 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 Bid 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.

**I/We hereby state that we have provided information of our near relatives as stated in the affidavit attached at “Annexure – III”**

Dated:

**Signature**

Place:

**Name of Bidder with seal .....**

**Witness :**

Signature: .....

Name: .....

Postal Address: .....

.....

## SECTION - 1 INSTRUCTIONS FOR BIDDERS

### 1. ELIGIBILITY CRITERIA:

#### A. TEST REPORTS OF BATTERIES

Bidder must have valid test reports of batteries for all category separately in the name of bidder/manufacture for which Bidder must make offer for supply. They will have to provide copy of such test report of their Batteries from any test centre approved by Ministry of New & Renewable Energy (MNRE)/ NABL. **Bidder will be debarred from price bidding for all other categories for which they have not submitted valid test report / acknowledgement.**

Bidders may submit Acknowledgement of submission of samples **fee receipt from MNRE/NABL approved test centres** for offered batteries for testing (**in case they do not have approved test certificates of offered Batteries at the time of bid**). Bidders shall be required to submit the approved test certificates before raising claim for payment else payment shall not be made to them.

Bidders shall have to submit the Test certificate against Acknowledgement within 90 days of execution of agreement otherwise EMD may be forfeited and bidder may be blacklisted / debarred by CREDA. However this time limit may be further extended / reduced by CREDA if required. Bidder has to submit an undertaking in this regard at the time of bid submission.

The bidder also shall have to submit a self declaration that the Batteries for which bidder is quoting offers are conforming to the latest guidelines and specification of MNRE issued for testing and BIS compliance.

#### B. MINIMUM EXPERIENCE

Bidders must have minimum experience in last three financial years i.e. 2017-18, 2018-19 & 2019-20 as per the details mentioned below –

S.No.	Details of Batteries	Category	For Bidders of Chhattisgarh state	For Bidders of Other States
1	Supply of lead acid batteries (LMLA battery bank for solar application of different capacities) with five years onsite warranty conforming to the BIS and MNRE standards and buy back of scrap batteries anywhere in the state of Chhattisgarh.	LMLA battery	Minimum 02 years experience in manufacturing/supply of LMLA batteries.	Minimum 03 years experience in manufacturing/supply of LMLA batteries.
			The Bidder should have experience of supply of Rs. 1.50 Crores of LMLA batteries to govt./ govt. Agencies/ govt. Undertakings	The Bidder should have experience of supply of Rs. 2.50 Crores of LMLA batteries to govt./ govt. Agencies/ govt. Undertakings
2		Compuls --ory	<b>For buy-back of used/scrap batteries:-</b>  The Bidder should be a Battery manufacturer or the bidder should have valid license / authorisation from Central Pollution Control Board, Govt. Of India/ Pollution Control Board of any State .	<b>For buy-back of used/scrap batteries:-</b>  The Bidder should be a Battery manufacturer or the bidder should have valid license / authorisation from Central Pollution Control Board, Govt. Of India/ Pollution Control Board of any State .

Bidders will have to submit satisfactory commissioning/functioning report containing complete details from the concerned state/central agencies /department along with bid document. All these Batteries should in successful operation as on date. (Experience in terms of supply done for other private / non Govt. companies/ firms etc. shall not be considered). **Bidder registered as a Pvt. Ltd. / Ltd. / Partnership / Proprietorship firm incorporated / registered in the State of Chhattisgarh shall be treated as Bidder of Chhattisgarh.**

C. Experience Certificates submitted should be in attached format (as per Annexure-II) or **Other Format containing similar information as in attached format (Annexure-II) shall be considered only in-case of submitted in Hindi / English Language only.** Work order, L.O.I. / L.O.A etc., will not be acceptable.

D. Bidders must have a Positive Net worth of **Rs. 50 lacs** as on **31<sup>st</sup> March 2020 (which is defined as “Net value of the Assets minus(-) Net value of liabilities”)**. They shall have to submit an **Original Certificate** duly signed by a qualified and registered Chartered Accountant having UDI number as a proof. Produced certificate must tally with the audited

balance sheet.

- E.** Bidders should have an aggregate turnover of minimum **10 Crores** in last three years i.e. 2017-18, 2018-19 & 2019-20 in Battery manufacturing. Certified copies of the annual returns and audited balance sheet submitted to the Registrar of Companies/ Income Tax Authorities should be enclosed. For the preceding years an **Original Summarized Sheet** of turnover certified by registered CA must be enclosed.
  - F.** Bidders 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.
  - G.** Bidder must have a valid license/authorization from central pollution control board, Govt. of India/pollution control board of any state.
  - H. Additional Eligibility Criteria-** Even though the bidders meet the above qualifying criteria, they are subject to be disqualified if they have:
    - a. Made misleading or false representations in the forms, statements, affidavits and attachments submitted in proof of the qualification requirements; and/or
    - b. Record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion litigation history, or financial failures etc; and/or
    - c. Participated in the previous bidding for the same work and had quoted unreasonably high or low bid prices and could not furnish rational justification for it to CREDA.
- 2. CONSORTIUM:** Consortium of bidders shall not be allowed in this tender.
- 3. START-UP/NEW ENTREPRENEUR:** Start-up/New Entrepreneur shall not be allowed in this tender.
- 4. BIDDING PROCESS -**  
For ease of accessing the e-bidding website and registration the following is to be done by bidder -
- A.** Visit <http://www.cspc.co.in>
  - B.** Click on e-bidding button on right hand side of the page.
  - C.** The user will be directed to e-bidding page where all information regarding registration is available along with helpline details.
  - D.** Price Bid shall be submitted online only at <http://www.cspc.co.in> however technical bid will have to be submitted in hard copy. Bid Documents (including Technical Bid) must reach at Chief Engineer (RE-II) Section, Near Energy Education Park VIP Road, Raipur latest by **05.00 PM on 07.07.2021**. Bids submitted after scheduled time and date shall not be considered.
- 5. EMD, TECHNICAL BID AND SAMPLES -**  
Document Fee, EMD, Technical Bid should be submitted for examination before **11:00 am to 05:00 PM dated 07-07-2021** at CREDA (RE-II) section, Head office Raipur. These will be examined by Technical Committee of CREDA on **08-07-2021** and Bidders will be shortlisted on the basis of approval of the Technical bids and samples along with Test Report for opening of price bids.
- 6. SUBMISSION OF DOCUMENTS -**  
Documents should be submitted in prescribed manner in separate envelopes as follows-
- A.** Main Envelope: Main Envelope must enclose all A, B, C & D envelopes. Bidder Name, Address and status of firms should be clearly written on main envelope.
  - B.** Envelope-(A): Bid Fees and EMD.
  - C.** Envelope-(B): Financial Eligibility Documents: Net worth & Turnover certificate as per clause 1C & 1D & 1E.
  - D.** Envelope-(C): Technical Eligibility Documents: Experience certificates, Test Reports & Summary of Test Reports and Manufacturer Authorization Form as per clause 1A, 1B & 1E.
  - E.** Envelope-(D): Complete Bid document in original duly seal & signed by authorized signatory on each & every page of the Bid document.



**Bid Document which doesn't follow the above format shall be disqualified.**

**7. SPECIFICATION AMENDMENTS -**

The Specifications of Batteries should be as per as Specified in the Bid. If any amendments are issued by CREDA in due course of time, in this context, then those shall be applicable under this Bid.

**8. GST & PAN -**

Bidder shall have to submit copies of GST registration number and PAN numbers issued by the appropriate authority.

**9. THE BID -**

Technical Bid must be deposited in the Bid box only kept in the Chief Engineer RE-II Section, CREDA, H.O., Raipur **from 11:00 am 07-07-2020 to 05:00 PM dated 07-07-2021** nobody is authorized to receive or grant receipt for Bid delivered on behalf of CREDA. Bid received through any other means shall not be considered.

**10. ANALYSIS OF RATE -**

- A. Bidder should quote their rates considering variation of site conditions and all other factors in price of different components and keeping the quantum and quality of work in mind. Benchmark cost is attached here with **Annexure-IV**.
- B. Bidder shall have to ensure that the rates quoted are not lower than 90% of the benchmark cost as attached in this bid in **Annexure IV**, rate(s) quoted below 90% of the benchmark cost shall be considered as unbalanced rate.
- C. If the successful bid is unbalanced in relation to the benchmark cost as stated in **Annexure-IV** by more than **10%**, then the successful bidder shall have to provide Additional Performance Security (APS) to the extent of difference of the threshold cost (mentioned in point 'B') above and rates quoted by the successful bidder for total allocable quantity in such categories in which he has submitted unbalanced bid, in the form of Demand Draft/RTGS issued by approved scheduled bank in favour of CREDA.
- D. The Additional Performance Security (APS) shall be retained by CREDA and the same shall be returned after successful Completion of allocated work. Those other bidders, who accept the L1 Rates, are also required to submit Additional performance security for allocated work.
- E. Selection of L-1 Rates: - The Successful bidder who found to be L1 (as manner described in this tender document, Clause no. – 33 of Section-II), shall be offered allocated quantity of batteries (as described in this tender document, Clause no.-33 of Section-II). L1 bidder shall have to accept the offer of CREDA within 10 days along with laid down “ADDITIONAL PERFORMANCE SECURITY”, this APS amount of complete allocated quantity shall be submitted at the time of Agreement. The amount of APS will be communicated to L1 bidder along with acceptance letter. **Highly unbalanced rate shall not be considered while deciding final approved rates.**
- F. If L1 bidder refuses to accept the offer and to deposit intended APS within the prescribed time, then his bid will be rejected by sanctioning authority and earnest money shall be forfeited and blacklisted for 2 years and debarred to participate in any tender and any activity of CREDA till further orders.
- G. In case L1 bidder accept the offer and deposit the APS, L1 rates of the electrical items will be fixed for rest of the successful bidders. Now other bidder shall be offered rest quantity of batteries (as prescribed in this tender document, Clause No. - 33 of Section-II).
- H. In case, L1 bidder refuses to accept the offer and doesn't deposit the prescribed APS, offer letter shall be sent to the L2 bidder on L2 rates. Same process shall be repeated till the final rates are fixed.
- I. By the process mentioned above the final rates will be fixed and shall be offered to other successful bidders.
- J. The APS shall be submitted by other successful bidder before sanction of allocated battery

supply work.

- K. If the bidder fails to complete the work or left the work incomplete, this Additional Performance Security (APS), S.D. and EMD shall be forfeited by the CREDA, the agreement shall be terminated and bidder shall be blacklisted and debarred to participate in any tender and any activity of CREDA till further orders.

**11. REGISTRATION OF BIDDER –**

Bidders shall have to register as vendor for Batteries in CREDA in SPV Programme for FY 2021-22 before execution of agreement (in Annexure – I) under this bid. Only one authorized dealer/distributor of a manufacturer on behalf of manufacturer itself shall be allowed to participate in the tender. In case of multiple distributor/dealer of a manufacturer participates in the tender then the tender of all dealers/distributors including manufacturer shall be rejected. The bidder shall have to submit, along with the technical bid, a copy of acknowledgement of the application submitted in CREDA for registration (or renewal thereof), in the above mentioned category.

**12. 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 Bid the approved rates shall be valid till two years from the date of award; however CREDA shall have liberty to increase or decrease this validity if needed.

**13. TERMS & CONDITIONS -**

- A. The terms, conditions and specifications mentioned in Bid document shall be binding on the Bidders and no condition or stipulation contrary to the conditions shall be acceptable. It may please be noted that the Bidders who do not accept terms and conditions stipulated in this Bid documents, their offers shall be liable to be rejected out-rightly without assigning any reason whatsoever.
- B. Each page of Bid document & enclosures shall be signed by the Bidder 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 Bid, the Bidder should attest the same; otherwise Bids may not be considered.
- C. Bidders are also instructed to submit their Bids in properly arranged manner (with index, proper paging and with flags on important documents). Incomplete, lose, conditional or improper arranged Bids will not be accepted.

**14. CREDA RESERVES THE RIGHT -**

- (i) To reject or accept any or all Bids fully or partly without assigning any reason on the grounds considered advantageous to CREDA, whether it is the lowest Bid or not.
- (ii) To split the quantities against the Bid further for the same items/work. No reason will be assigned by CREDA for this and will be binding on the Bidders.
- (iii) To increase or decrease of aggregate quantities up to 100 % as per discretion or circumstances.
- (iv) Due to large quantum of supply & limitation of the time period for completion of the supply CREDA may take consent from other Bidders if they agree to work on rates standardized by CREDA.
- (v) CREDA may undergo agreement with those eligible Bidders who give consent to work on rates standardized by CREDA and may allocate work to them. Rates approved through this Bid may be standardized for all eligible Bids to work in **FY 2021-22** and **FY 2022-23** and shall be valid till **30-03-2023**. However CREDA reserves right to curtail or extend this period.

**15. COMMUNICATIONS -**

All the communication between Bidder and CREDA shall be in writing. Notice sent by Fax or other Electronic means shall be effective on confirmation of the transmission. Notice sent by registered post or speed post shall be effective of delivery or at expiry of normal delivery period as under taken by Postal Service. Offers through Telegraph/Fax/Emails/Post/Courier

or open offers etc. received shall be summarily rejected.

**16. BID DOCUMENT FEE AND EARNEST MONEY-**

- A. Each Bidder should submit Bid Document Fee and earnest money in the form of Demand Draft/Pay Order or RTGS/NEFT as mentioned in the NIT vide **XXXX/CREDA/HOR/RE- II/BATTERY BANK/2021 DT. 07-06-2021**, in a separate envelope as prescribed at **point no.04** of **page 08**, else they will summarily be rejected and returned. Bid Document Fee & EMD submitted in any other form e.g. **Cash/Bank Guarantee/FDR /TDR etc. shall not be accepted.**
- B. MSME unit registered for manufacturing or service of batteries in Chhattisgarh state and public sectors of government are exempted from EMD subjected to submission of valid document.

**17. SUBMISSION / DISPLAY OF SAMPLES -**

Bidders will have to provide samples of their batteries as per point 23. All items should be submitted for examination before **05:00 PM dated 26-06-2021** at H.O. CREDA, VIP Airport Road, Raipur. These samples shall be examined by Technical Committee of CREDA.

**18. PRE-BID MEETING SUBMISSION OF QUERIES -**

- All suggestions, doubts, confusion, request, queries etc., shall have to be submitted to CREDA in writing before **22-06-2021 till 5:00 PM**. After that any representation in this regard shall not be considered.
- The purpose of these pre-bid queries is to clarify issues and to answer questions regarding this tender that can be raised at that stage. Any amendments in the bid documents which may become necessary as a result of pre-bid queries submitted shall be part of original Bid document and communicated through corrigendum in the website of CREDA i.e [www.creda.co.in](http://www.creda.co.in).

**19. TECHNICAL CRITERIA -**

Bidder must have valid test reports of batteries for all category separately in the name of bidder/manufacturer for which Bidder must make offer for supply. They will have to provide copy of such test report of their batteries from any test centre approved by Ministry of New & Renewable Energy (MNRE)/ NABL. **Bidder will be debarred from price bidding for all other categories for which they have not submitted valid test report / acknowledgement.**

Bidders may submit Acknowledgement of submission of samples **fee receipt from MNRE/NABL approved test centers** for offered batteries for testing (**in case they don't have approved test certificates of offered Batteries at the time of bid**). Bidders shall be required to submit the approved test certificates before raising claim for payment else payment shall not be made to them.

Bidders shall have to submit the Test certificate against Acknowledgement within 90 days of execution of agreement otherwise EMD may be forfeited and bidder may be blacklisted/ debarred by CREDA. However this time limit may be further extended /reduced by CREDA if required. Bidder has to submit an undertaking in this regard at the time of bid submission. The bidder also shall have to submit a self declaration that the Batteries for which bidder is quoting offers are conforming to the latest guidelines and specification of MNRE issued for testing and BIS compliance.

**20. 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 on their quoted rates and also fails to execute assigned works under any Scheme of CREDA, within stipulated time, if he is so communicated within the validity period of the offer, the full amount of earnest money will be forfeited and Bidder shall be debarred from future business with CREDA.

CREDA's decision in this regard will be final and binding on the Bidders.

**21. PRICE OF SUPPLY OF BATTERIES -**

**I.** The Price quoted for all batteries must be with onsite unconditional 5 years warranty. The GST shall be paid extra as per prevailing rate. The prices shall be filled exactly as per **e-Price Bid enclosed**.

**II.** Any change in GST shall be become applicable during the period of contract.

**22. ENGINEERING DOCUMENT -**

Bidders will have to submit Engineering Documents with technical details, 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 Engineering Document/Drawing and their samples.

**23. SAMPLES -**

Samples of the Batteries shall have to be submitted to the CREDA in prescribed manner on scheduled date.

S no	Details	Capacity of Battery Bank	Nos of sample
1	LMLA battery	12V/150AH,02V/300AH	02 Nos

Samples of eligible bidder shall be the property of CREDA. CREDA may use them for testing at any site. The samples of parties who are not found eligible in the tender will be returned back to them after the finalisation of tender and receipt of letter from concerned bidder.

**24. INSPECTIONS -**

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

**25. 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.

**26. JURISDICTION OF THE COURT -**

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

**27. CORRUPT OR FRAUDULENT PRACTICES -**

1. CREDA requires the bidder to strictly observe the laws against fraud and corruption in force in India, namely, Prevention of Corruption Act, 1988.
2. It is required that each bidder (including their respective officers, employees and sub contractors) adhere to the highest ethical standards, and report to the Government/ Department all suspected acts of fraud or corruption or coercion or collusion of which it has knowledge or become aware, during the tendering process and throughout the negotiation or award of contract.

## SECTION - 2

### 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 Bidder as mentioned in the scope of work and Work 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 batteries.
- "The Eligible SI/Bidder" shall mean the 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 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 bidder 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. PROOF OF MANUFACTURER -

Those bidders who are also manufacturers of an important component of batteries 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 Work Orders etc., issued against the contract schedule of price or their final general conditions, any special conditions applying to the particular contract specification and drawings and agreement to be entered into. Terms and conditions not herein defined shall have the same meaning as are assigned to them in the Indian contract Act or any other Act in vogue or by any person of common knowledge and prudence.

#### 4. MANNER OF EXECUTION -

Execution of work shall be carried out under Government 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.

#### 5. VARIATIONS, ADDITIONS & OMISSIONS -

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

#### 6. INSPECTION -

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

- C. CREDA will undertake real time performance and quality test of randomly selected Batteries and its components during the course of execution as per the specifications and guidelines laid by CREDA to ensure quality and performance of batteries and components.

**7. COMPLETION OF WORK -**

Time being the essence of contract, the supply of the Batteries shall be completed within the time schedule prescribed in the supply Order.

**8. ELIGIBLE BIDDER'S DEFAULT LIABILITY -**

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

- (a) If in the opinion of the CREDA, the eligible bidder fails to complete the supply within the time specified in the supply Order or within the period for which extension has been granted by CREDA to the eligible bidder.
- (b) If in the opinion of CREDA, the eligible bidder 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 bidder or agency upon such terms and in such a manner as it may deem appropriate and the eligible bidder shall be liable to CREDA for any additional costs or any losses caused to CREDA as may be required for the supply of the batteries and or for penalty as defined under this Bid document until such reasonable time as may be required for the final completion of the supply.
- (d) In the event CREDA does not terminate the contract as provided in paragraph (a) the eligible bidder shall continue performance of the contract, in which case he shall be liable to CREDA for penalty for delay as set out in this Bid document until the work is completed.

**9. FORCE MAJEURE -**

The eligible bidder 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 bidder 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 batteries etc. by the related vendors, to whom the Bidder has placed order, shall also not be treated as force majeure.

**10. REJECTION OF WORKS -**

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

- a) At its option replace or rectify such defective materials and/or work and recover the extra cost so involved from the eligible bidder plus **15%** service charges of the cost of such rectification, from the eligible bidder and/ or terminate the contract for balance work/ supplies with enforcement of penalty **as stated above.**
- b) Defective materials/workmanship will not be accepted under any conditions and shall be rejected outright without compensation. The eligible bidder shall be liable for any loss/damage sustained by CREDA due to defective work **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 bidder, the eligible bidder 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 batteries 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 batteries & Other BOS shall be made in India.
- (II) The eligible bidder has to ensure that equipment's as per Technical Requirements of guidelines of CREDA as complied with. The material/works for which CREDA/MNRE or BSI or ISI specification is not available, engineer-in-charge of the works will examine and approve the material/works, preferably of all makes on which CREDA has report of satisfactory performance. Test certificates for batteries should be submitted to the engineer-in-charge of the works before installation of the same.
- (III) Successful bidder upon issue of LOI must submit Manufacture Authorization Form (MAF) From manufacture of batteries which it is intending to use during supply guarantee at least five year onsite warrantee of batteries before supply of batteries, **no payment shall be made if he fails to do so.**
- (IV) Eligible bidder should submit warrantee Agreement of **at least 5 years** for batteries with manufacturer or distributors certified by the manufacturer before supply of batteries, for any manufacturing defects or bad workmanship.

**13. WARRANTEE PERIOD AND POST SUPPLY SERVICES -**

- A. The work done/material supplied by the eligible bidder should be warranted for satisfactory operation and against any defect in material and workmanship including Batteries and other balance of equipment's, at least for a period of **5 (five) years**, from the date of supply of the batteries.
- B. The above warrantee certificates shall be furnished to the CREDA for approval. Any defect noticed during this period should be rectified by the supplier free of cost upon written notice from CREDA provided such defects may be due to bad workmanship or bad materials used.
- C. The warrantee period shall be extended by the period during which the batteries remains non-operative due to reasons within control of the eligible bidders.
- D. This warrantee must be an unconditional onsite warrantee and the eligible bidder will have to replace the defective material within **7 days** positively from the date of information given to him.
- E. Care should necessarily be taken to make the batteries operational, once the reporting of the fault/non-operational status is done, within a week. If the battery is not made operational within **7 days** CREDA may rectify the same at the cost of bidder and the warrantee period shall be extended for a month for the same.
- F. Eligible Bidder shall have to establish their service stations in headquarter and shall have to keep sufficient quantity of spares and man power to ensure proper service network for taking care of smooth functioning of batteries supplied by them. Eligible bidder shall have to give a toll free number to register complaints.

**14. TERMS OF PAYMENT -**

The following terms of payment shall apply for the Bid -

- A. **97%** of the eligible payment as per the supply order after satisfactory supply, performance test of the batteries at site with proper handing over.
- B. Balance **3%** of the eligible payment (without GST) shall be retained by CREDA as Performance Security for a period of **60 months**.

**15. PENALTY FOR DELAY IN COMPLETION OF CONTRACT -**

If the eligible bidder fails to complete the assigned work within the schedule time specified in the sanction order or any extension granted there to, CREDA will recover from the bidder as penalty a sum of half percent (0.5%) of the battery bank price excluding GST/Tax for every delayed battery bank per week. For this purpose, the date of taking over shall be reckoned as the date of completion. The total penalty shall not exceed 5% (Five Percent) of the cost.

However, imposition of such penalty shall be discretion of CREDA. This penalty may be decrease, increase or waived off due to various justified reasons on ground with recommendations of field staff on record. Period declared as lockdown or local quarantine /containment zones due to Covid-19 pandemic shall be waived off for the purpose of penalty.

Review of the progress of supply of battery bank allocated to bidders shall be done time to

time by CREDA and if the progress of supply of battery bank is found unsatisfactory, the allocation of entire remaining supply or their part of can be re-allocated to other bidders as per discretion of CREDA.

**16. SECURITY DEPOSIT (SD) -**

- A.** The Earnest Money shall be retained by CREDA for a period up to which the tender/RC is live after agreement is done to execute all the supply works referred to in the Bid documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be required by CREDA.
- B.** Beside this, **3%** of the cost shall also be retained as SD during the five years of warrantee period. No interest shall be payable on the Security Deposit.
- C.** Period for which EMD and SD are to be retained may be extended in case the warrantee period is extended due to non performance of the system.

**17. INSURANCE -**

- A.** The eligible bidder shall arrange insurance coverage for the materials at his/ beneficiary's custody for the work under execution and successful commissioning and subsequent handover to the beneficiary. The eligible bidder shall take up insurance or such other measures for the manpower so as to cover the claim for damage / accident under workmen's compensation Act and other applicable State/Central laws. CREDA shall not bear any responsibility on this account.
- B.** Eligible bidder shall arrange for insurance coverage for complete material supplied during warrantee period i.e. for **05 years** from the date of supply. Insurance should cover for damage and theft. In case of such incidence, bidder must replace the lost/damaged part within **7 days** from the date of intimation.

**18. PENALTY DUE FROM THE ELIGIBLE BIDDER -**

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

**19. ELIGIBLE BIDDER'S RESPONSIBILITY -**

Notwithstanding anything mentioned in the specifications of subsequent approval or acceptance of the batteries by CREDA, if any, the ultimate responsibility for satisfactory performance of the entrusted work shall rest with the eligible bidders. If in any case the eligible bidder 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 bidder.

**20. RESPONSIBILITY TO RECTIFY THE LOSS AND DAMAGE -**

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

**21. RESPONSIBILITY TOWARDS THE WORKMAN OR OUT SIDERS –**

- A.** **The eligible bidder shall have to take insurance coverage from any authorized Insurance Company against Workmen compensation due under Workmen Compensation Act and submit copy of the insurance document before issuance of Work Order.**
- B.** The eligible bidder 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.
- C.** All the expenditure including treatment or compensation will be entirely borne by the eligible bidders. The eligible bidder shall also be responsible for any claims of the workers including, labour payments PF, Accidental Insurance, Gratuity, ESI & other legal obligations.
- D.** CREDA shall have all rights to deduct such claims of payments from bidder in case of



complaints of such violations.

**22. NON-ASSIGNMENTS -**

The eligible bidder 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 bidder transfer/assigned/sublet full or any part of work allocated to him without prior permission from CREDA in writing to any third party shall be liable to debar/black listed from any Bid/Activity of CREDA till further orders.

**23. 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 bidder of his obligations for due performance of the contract.

**24. SETTLEMENT OF DISPUTES THROUGH ARBITRATION -**

**A.** 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 bidder is made to CREDA. The decision of the CEO, CREDA shall be final and binding to the all concerns.

**B.** 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.

**25. 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.

**26. 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.

**27. CORRESPONDENCE -**

**A.** Any notice to the eligible bidder under the terms of the contract shall be served by registered mail to the registered office of the eligible bidder or by hand to the authorized local representative of the eligible bidder and copy by post to the eligible bidder's principal place of business.

**B.** Any notice to CREDA shall be served to the Chief Engineer, CREDA Raipur in the same manner.

**28. SECRECY -**

The eligible bidder 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.

**29. AGREEMENT -**

The successful eligible bidder shall have to enter into an agreement with the CREDA in the approved contract agreement form within **10 days** of the receipt of call from CREDA.

**30. DECLARATION OF CONFLICT OF INTEREST –**

**A.** The bidder shall not be permitted to Bid for the work if the section of HO CREDA (responsible for implementation of work) in which his near relative is posted. Furthermore, the successful bidder shall not be given work in the district in which his near relative is posted. The bidder shall also intimate the names of his near relatives working in the CREDA. Bidder shall also intimate the name of persons who are working with him in any capacity and who are near relatives to any employee in CREDA. Any breach of this condition by the bidder would render himself liable to be blacklisted for three years and removed from approved list of vendors.

**Note:-** By the term near relatives is meant Wife, Husband, Parents and son , Brother, Sister,

Brother-in-law, Father-in-law, Mother-in-law etc.

- B.** Bidder must produce an affidavit (Annexure-III) stating the names of retired/removed employee of CREDA (if any) in his employment who retired /removed within last two years, if in case there is no such person in his employment, his affidavit should clearly state this fact. This affidavit is mandatory, if it is not produced along with the bid, the bid shall be rejected.

**31. BID EVALUATION CRITERIA -**

- a. Offers of only those parties, who are found qualified based on Eligibility Criteria and Techno-commercial Bid, will be taken into further consideration and financial bid of only those parties who are qualifying the criteria of Techno-commercial Bid will be opened.
- b. Other things being equal, the lowest rates shall normally be preferred, but CREDA shall have rights and liberty to amend/lower the rates.
- c. **Conditional Bids shall not be accepted.**
- d. However CREDA shall have rights and liberty to call any /other parties to work on approved rates as and when requires in accordance with quantum of work and scheduled time limits for completion of targets.

**32. EVALUATION OF PRICE BID -**

Price bid shall be evaluated on the basis of Quoted rates. Lowest rates of each category of Batteries shall be considered however CREDA shall have discretionary power to amend/lower the rates.

**33. ALLOCATION OF TARGETS AND AREA OF WORK -**

The supply shall preferably allotted to eligible bidder on L-1 rates subjected to rate reasonability however the CREDA has sole discretionary power to award work to any other eligible bidder on L-1 rates if he agreed to supply on L-1 rates.

**34. BID REJECTION -**

If financial bid of a bidder has been opened on the basis of technical bid of a bidder which has been determined to be substantially responsive to the bidding document and in latter stage it is found that bidder does not meet the eligibility criteria or the technical bid is found substantially non-responsive, CREDA reserves rights to reject such bid of a bidder any time.

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

(Name, Signature & Seal of the bidder)

## SECTION- 03

### SCOPE OF WORK AND TECHNICAL SPECIFICATIONS

#### SCOPE OF WORK

**Supply of Batteries (LMLA battery for solar applications of different capacities) & Rates for Buy-back/Sale of Scrap Batteries anywhere in the state of Chhattisgarh as per this tender norm.**

1. If complete battery bank is not replaced and order is placed of replacement of few cells of battery bank than the eligible tenderer would be issued letter of intent (LOI). After the issuance of LOI the battery manufacturer shall have to visit, all the concerned sites mentioned in LOI and shall submit report which shall include following information:-
  - 1.1 Submission of technical inspection of the already installed battery bank stating the status of all the installed cells.
  - 1.2 Technical report should state whether the already installed battery bank will function as per norms of the tender after replacement of proposed faulty cells with new cells.
  - 1.3 If the tenderer certifies that the new cells will synchronise with the already installed old cells than the LOI may be converted into purchase order.
  - 1.4 The total quantity of battery proposed to be purchased may be as per the requirement of CREDA.
2. The battery or battery supplied shall be under 05 years onsite warranty period. The bidder has to replace the batteries irrespective of the cause of failure.
3. In the buyback it is the discretion of CREDA whether the connectors of batteries will be given with buyback or not.
4. The bidder shall have to provide all necessary tool kit and other maintenance along with the battery bank.
5. The bidder shall have to supply the batteries at the site ordered by CREDA irrespective of the location of site in the state of Chhattisgarh. No relaxation will be provided in the regards.

## **1. TECHNICAL SPECIFICATIONS OF LMLA BATTERY**

Supply of 2 Volts Tubular Plate long life low antimony Tubular Positive Plates Cells and 12 volts Tubular Plate long life Batteries as per detailed Technical Specifications with deep discharge electrolyte insulated terminal connectors micro-porous ceramic vent plug for anywhere in the state of Chhattisgarh. Specification are as stated below:-

All technical and other details pertaining to the storage cells shall be supplied including but not limited to the following: -

<b>LMLA Battery Technical Characteristics &amp; Features:-</b>		
<b>Cell</b>	<b>2 Volt cell</b>	<b>12 Volt cell</b>
Battery Rating	2Volt– 100/200/300/400/600/800/900/1000/1200/ 1500 Ah @ C -10	12Volt- 40/75/80/100/120/150/180/200Ah @ C -10
Design life:	Minimum 05 years life at upto 50°C	Minimum 05 years life at upto 50°C
Cycle Life.	1500 Cycle at 80%DOD & 7500 Cycles At 20% DOD at 2 volt	1500 Cycle to 80%DOD , 3000 Cycles to 50% DOD , , 5000 Cycles to 20% DOD at 12 volt
Confirming Standards	Storage Batteries:-IS 16270 IS 16046	Storage Batteries:-IS 16270 IS 16046
Operating temperature:	Range : -20°C to +55°C 0 (Optimum life can be obtained at 35 °C )	Range : -20°C to +55°C 0 (Optimum life can be obtained at 35 °C )
Electrolyte	Lead Acid	Lead Acid
Charging Current	max.20% of the battery AH capacity min. 10% of the battery AH capacity	max.20% of the battery AH capacity min. 10% of the battery AH capacity
Bulk Voltage	2.60V +0.02/Cell	15.5V +0.01
Float Voltage	2.30V +0.02/Cell	13.8V +0.01
Load Reconnected Voltage	2.16V +0.02/Cell	12.96 +0.01
Low voltage disconnect	1.90 +0.02V/Cell	11.4 +0.01V
Recharge factor	110% of discharge Ah	110% of discharge Ah
Accessories	All Connecting parts	All Connecting parts

Rated voltage and ampere hour capacity of each storage cell has the rated discharge rate.

1. Permitted maximum DOD.
2. Self discharge rate.
3. Cycle life of the storage cell and the anticipated life (in years) of the battery bank.
4. Total number of storage cells in use.
5. Details on cell interconnections, if any.
6. Self discharge per month < 3% @ 27°C.
7. Charge efficiency >93% @ 20% DOD (i.e. 80% SOC).
9. Topping-up frequency not more than once in 12 months after commissioning.
10. Supplied in factory charged condition.
11. Insulated terminal connectors, fasteners, sealed floats and charge instruction card supplied.
12. Special micro-porous ceramic vent plugs.
13. Low antimony tubular positive plates.
14. Rugged construction & Long Cycle life.

### **i) BATTERY BANK:**

The battery bank capacity may be of different capacities, as specified in the price schedule, tubular plated lead acid type. The general specifications shall be as under:

- (a) The battery bank shall consist of required number of deep-discharge electrochemical storage cells, suitably interconnected as required. Parallel connections of storage cells will be discouraged.
- (b) The cells shall be capable of deep discharge and frequent cycling with long maintenance

intervals and high columbic efficiency. Automotive or car batteries shall not be accepted.

- (c) The nominal voltage and capacity of the storage bank shall be selected and specified by the supplier in the bid.
- (d) The self-discharge rate of the battery bank or individual cell shall not exceed four (4) percent per month.
- (e) The permitted maximum depth of discharge (DOD) shall be specified by the supplier in the bid. It should be at least 80%.
- (f) Unless otherwise specified the cycle life of the battery shall not be less than 1500DC discharged cycles between the fully charged state and the permitted maximum DOD at the rate of C/10. It should be able to deliver 80% of its rated capacity from fully charged position to DOD.
- (g) The cells shall include explosion proof safety events.
- (h) The cells shall include the required number or corrosion resistant inter-cell required chemicals electrolyte packed in separate containers. Full instructions and technical details shall be provided for electrolyte filling and battery recharging at site for the first time.
- (i) The cells shall preferably be supplied in dry charged condition, complete with all required chemicals electrolyte packed in separate containers. Full instructions and technical details shall be provided for electrolyte filling and battery recharging at site for the first time.
- (j) If the cells are supplied in uncharged conditions, then the supplier shall provide full instructions for first time charging including, but not limited to, the following:

**Battery Rack:**

Battery rack for the battery bank of 2V cells should be of matured treated sal wood duly painted/best quality stainless steel, should be provided if the ordered quantity of batteries are more than 12 nos in case of 2V cell batteries (at each site) with insulated copper terminal connecters & nut bolt. Placement of battery should be such that maintenance of the battery could be carried out easily. **The nonreactive acid proof mat should compulsorily be provided to cover the entire floor space of the battery room.** No relaxation shall be provided in the above.

**Tools Kit & testing equipment**

Necessary Tool kits shall be provided along with each battery bank for any immediate maintenance of batteries. The list of items are listed here:-

1. One hydrometer with Stand,
2. Multimeter (10A)
3. Petroleum jelly-1/2Kg,
4. Rubber hand gloves -set
5. Spanner –One Set
6. Operation and instruction manual-Plastic coated Instruction manual
7. Clamp Meter(100A)

All above tools are necessary to be provided for each battery bank set more than 12 nos in case of 2V cell batteries (at each site).The tool kit must be in a proper hard case and easy to carry.

## **2.FACTORY TEST**

The eligible bidder shall develop and submit a comprehensive factory acceptance test (FAT) plan to CREDA for its review and approval. FAT shall be carried out at a subsystem or module level and shall consist of all the components of batteries to the extent possible. FAT shall be demonstrated to CREDA's representative for compliance of specification, inclusive but not limited to following:

1. Visual inspection of equipment including dimensions and overall design
2. Verifications of sensors, metering and alarms
3. Verification of all control functions including remote control, monitoring and Communication interfaces
4. Verification of maintenance and replacement feature

During the FAT, battery shall be operated as specified & designed in all the operating states, use cases and duty cycles. It shall meet power/ energy requirements and shall be demonstrated to meet the safety requirements. if feasible, or by simulating operating states for all parameters that cannot be directly tested. Automatic, local and remote operation of the controls shall be demonstrated.

The performance shall be verified for operation at temperature extremes defined in specification. For this, if it is not possible for the full set, then independent laboratory certification of operation of critical components and subsystems shall be submitted at the time of FAT.

During FAT, if something mal-operates then FAT shall be suspended and resumed after rectification of the problem. It is the sole discretion of CREDA to decide whether the FAT shall be done or not but bidder has to compulsorily submit FAT plan.

## **3.SITE TEST**

The eligible bidder shall submit comprehensive plan for site acceptance test to the CREDA for approval. SAT plan shall include procedures to test correct system responses to system disturbances and operating scenarios described in the specification. The tests shall include, as a minimum, the following:

- Verification of batteries
- Verification of the performance criteria

## **4.TRANSPORTATION AND STORAGE AT SITE**

The bidder shall be responsible to survey, select and verify the route, mode of transportation and make all necessary arrangement with the appropriate authorities for the transportation of the batteries. The dimension of the battery shall be such that when packed for transportation, it will comply with the requirements of loading and clearance restrictions for the selected route. It shall be the responsibility of the eligible bidder to coordinate the arrangement for transportation of the battery for all the stages from the manufacturer's work to site.

The Eligible bidder shall dispatch the battery in such way to avoid any accident either due to road conditions, environmental conditions and any other conditions which may be arise during transportation.

Eligible bidder shall follow all the rules, regulations and guidelines applicable for transportation of batteries in India as well as in country of origin.

## **5.TRAINING**

Eligible Bidder shall provide training in India to manpower identified by CREDA. Training shall cover all aspects of maintenance and handling details of battery and its operation needed for proper operation & maintenance of the system. The eligible bidder shall be

responsible for determination of content & duration of for training sessions. All training materials shall be submitted to CREDA for approval. Training course requirements are described below in terms of the contents of each course. Training shall cover orientation, operation and maintenance.

- Orientation Course
- Operation & Maintenance Course
- Application Software Course
- Operator Training Course

**SECTION-04**  
**E-PRICE BID, AGREEMENT AND SCHEDULES**

**1. e-Price Bid** (For “Standardization of rates for Supply of lead acid batteries (LMLA battery bank for solar application of different capacities) with five years onsite warranty conforming to the BIS and MNRE standards and buy back of scrap batteries anywhere in the state of Chhattisgarh”)

**Schedule of Rates for LMLA battery bank**

(e-bidding as per Specifications & Scope of Work of No. 1770/CREDA/HOR/RE-II/BATTERY BANK/2021-22 Dated : 07.06.2021)

S. No.	Item Specification	Unit	Unit Price in Rs. (Excl. GST)
01	<b>2 Volt Lead Acid Tubular Plated Cells</b> in fully charged condition for SPV Power Plant along with arrangement for inter connection for these cell in parallel connection deep discharge electrolyte, Level indicator, Porcelain/acid resistant ceramic vent plug & Petroleum jelly as per Tender Specification:		
1	100Ah @ C-10	per piece	
2	200Ah @ C-10	per piece	
3	300Ah @ C-10	per piece	
4	400Ah @ C-10	per piece	
5	600Ah @ C-10	per piece	
6	800Ah @ C-10	per piece	
7	900Ah @ C-10	per piece	
8	1000Ah @ C-10	per piece	
9	1200Ah @ C-10	per piece	
10	1500Ah @ C-10	per piece	
02	<b>12 Volts Lead Acid Tubular Plated Battery</b> in fully charged condition for Solar Photovoltaic Power Plant (SPVPP) along with arrangement for inter connection for these cell in parallel connection, deep discharge electrolyte, Level indicator, Porcelain/acid resistant ceramic vent plug & Petroleum jelly as per Tender Specification:		
11	40 Ah	per piece	
12	75 Ah	per piece	
13	80 Ah	per piece	
14	100 Ah	per piece	
15	120 Ah	per piece	
16	150 Ah	per piece	
17	180 Ah	per piece	
18	200 Ah	per piece	

**Schedule of Rate for offering Buy-back/ Scrap Battery Sale**

S. No.	Description of Item	Unit	Rate in Rs. (Exe. GST)
01	Used/Scrap 2Volt Lead Acid Tubular Plated Cells	02volt/Ah/per piece	
02	Used/Scrap 12Volt Lead Acid Tubular Plated Cells	12volt/Ah/per piece	

Certified that rates quoted above are as per the requirement, specifications, and terms & condition mentioned in the tender document. Above rates are FOR anywhere in the State of Chhattisgarh inclusive of roadworthy packing, loading, unloading, all types of incidental expenses, insurance, duties and any other job required to properly execute the work. The GST payable on the bill produced for payment to CREDA shall be paid in addition to above quoted price as per rate of GST applicable at the time of billing.



**The bidder must have to provide technical data sheet for each category of battery showing full technical details of battery failing which the quoted rate shall not be consider by CREDA.**

**Current rate of GST:-**

(No other cost will be claimed above the price quoted)

**Signature of Bidder**

**Name** \_\_\_\_\_

**Seal** \_\_\_\_\_

**Signature** \_\_\_\_\_

**2.DRAFT AGREEMENT**

CONTRACT AGREEMENT BETWEEN Chief Engineer Chhattisgarh State Renewable Energy Development Agency (CREDA) Raipur AND M/s..... Represented by ..... THIS CONTRACT AGREEMENT against Bid No.1770/CREDA/HOR/RE-II/ BATTERY BANK /2021-22 Dated : 07.06.2021 (also referred to as “Service Contract”) is made on the \_\_\_ day of \_\_\_\_\_2021.

**BETWEEN**

- (1) Chief Engineer Chhattisgarh State Renewable Energy Development Agency (CREDA) Raipur a society incorporated under the laws Society Registration Act 1973 , (1973 , Sr. No. 44 ) (with amendment from time to time) and having its Registered Office at VIP Road Near Energy Education Park, Village- Fundhar, Raipur and (hereinafter called “The Employer” and also referred to as “CREDA” )

**And**

- (2) ..... Represented by .....a company incorporated under the laws of Companies Act 1956/2013/ Partnership firm/ Proprietorship firm/Consortium (as applicable, with amendment from time to time ) and having its Principal place of business at ..... and Registered Office at.....hereinafter called “The Contractor” and also referred to as “ .....”

Whereas the contractor has offered to enter into contract with the said CREDA for the **“Standardization of rates for Supply of lead acid batteries (LMLA battery bank for solar application of different capacities) with five years onsite warranty conforming to the BIS and MNRE standards and buy back of scrap batteries anywhere in the state of Chhattisgarh”**.

Vide Bid No. 1770/CREDA/HOR/RE-II/ BATTERY BANK /2021-22 Dated : 07.06.2021 on the terms and conditions herein contained and the rates approved by the CREDA (Letter No. .... dated ..... annexed here to) have been duly accepted and where as the necessary security deposit shall be furnished in accordance with the provisions of the Bid document and whereas no interest will be claimed on the security deposits.

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

- 1) The Contractor shall, during the period of this contract, that is to say from..... to ..... or completion thereof, until this Contract shall be determined by such notice as is hereinafter mentioned, safely carryout, by means of labour 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 **“Lead acid batteries (LMLA battery bank for solar application of different capacities) with five years onsite warranty conforming to the BIS and MNRE standards and buy back of scrap batteries anywhere in the state of Chhattisgarh”**” as described in Bid documents. (annexed to the agreement).
- 2) The NIT (Notice Inviting Bid), Corrigendum to NIT, Notices, Bid documents (Qualifying, Technical and Financial), approved rates annexed hereto and such other additional particulars, undertaking, instructions, general conditions of contract, Scope of work, Technical specifications of batteries and Annexures therein, engineering documents, detailed specifications of BOS , so far they relate to the Bid No. 1770/CREDA/HOR/RE-II/ BATTERY BANK /2021-22 Dated : 07.06.2021 as may be found requisite to be given during execution of the work shall be deemed and taken to be an integral part of the contract and shall also be deemed to be included in the expression "The Agreement or "The Contract "wherever herein used.

- 3) The contractor shall also supply the requisite number of workmen with means & materials as well as tools, appliances, machines, implements, vehicles for transportation, cartage etc. required for the proper execution of work within the time prescribed in the work orders and /or as per the Bid conditions.
- 4) The Engineer in Charge or his authorized representative (s) shall be entitled at all reasonable times to inspect and supervise and test during commissioning. Such inspection will not relieve the eligible bidder from their obligations under this contract.
- 5) Material can be inspected before dispatch or in transit by the authorized representatives of CREDA at the factory at the cost of the eligible bidder, if desired by CREDA. CREDA reserves right to inspect the material at Godowns / Temporary Stores before dispatch and also at works sites.
- 6) 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.

7) **ELIGIBLE BIDDER'S DEFAULT LIABILITY -**

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

- (a) If in the opinion of the CREDA, the eligible bidder fails to complete the supply within the time specified in the supply Order or within the period for which extension has been granted by CREDA to the eligible bidder.
- (b) If in the opinion of CREDA, the eligible bidder 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 bidder or agency upon such terms and in such a manner as it may deem appropriate and the eligible bidder shall be liable to CREDA for any additional costs or any losses caused to CREDA as may be required for the supply of solar Batteries and or for penalty as defined under this Bid 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 bidder shall continue performance of the contract, in which case he shall be liable to CREDA for penalty for delay as set out in this Bid document until the work is completed.

8) **FORCE MAJEURE -**

The eligible bidder 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 the bidder 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 Solar Batteries etc. by the related vendors, to whom the bidder has placed order, shall also not be treated as force majeure.

9) **REJECTION OF WORKS -**

In the event of any of the material supplied/work done by the eligible bidder is found defective in material or workman ship or otherwise not in conformity with the requirements of this contract specifications, CREDA shall either reject the material and/or work and advise the eligible bidder to rectify the same. CREDA may impose penalty for such rejection up to the 200% cost of the entire system. Habitual/repeated offenders shall be black listed/debarred to participate in the any Bid/ Activity of CREDA till further orders. The eligible bidder on receipt of such notices shall rectify or replace the defective material and rectify the work free of cost. If the eligible bidder fails to do so CREDA may -

- a) At its option replace or rectify such defective materials and/or work and recover the extra cost so involved from the eligible bidder plus **15%** service charges of the cost

of such rectification, from the eligible bidder and/ or terminate the contract for balance work/ supplies with enforcement of penalty as stated above.

- b) Defective materials/workmanship will not be accepted under any conditions and shall be rejected outright without compensation. The eligible bidder shall be liable for any loss/damage sustained by CREDA due to defective work **with enforcement of penalty as stated above.**

**10) EXTENSION OF THE TIME -**

If the completion of installation is delayed due to any reason beyond the control of the eligible bidder, the eligible bidders 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 batteries as may be reasonable but without prejudice to other terms and conditions of the contract.

**11) PENALTY FOR DELAY IN COMPLETION OF CONTRACT -**

If the eligible bidder fails to complete the assigned work within the schedule time specified in the sanction order or any extension granted there to, CREDA will recover from the bidder as penalty a sum of half percent (0.5%) of the battery bank price excluding GST/Tax for every delayed battery bank per week. For this purpose, the date of taking over shall be reckoned as the date of completion. The total penalty shall not exceed 5% (Five Percent) of the cost.

However, imposition of such penalty shall be at the discretion of CREDA. This penalty may be decreased, increased or waived off due to various justified reasons on ground with recommendations of field staff on record. Period declared as lockdown or local quarantine / containment zones due to Covid19 pandemic shall be waived off for the purpose of penalty.

Review of the progress of supply of battery bank allocated to bidders shall be done time to time by CREDA and if the progress of supply of battery bank is found unsatisfactory, the allocation of entire remaining supply or their part of can be re-allocated to other bidders as per discretion of CREDA.

**12) PENALTY DUE FROM THE ELIGIBLE BIDDER-**

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

**13) ELIGIBLE BIDDER'S RESPONSIBILITY -**

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

**14) RESPONSIBILITY TO RECTIFY THE LOSS AND DAMAGE -**

If any loss or damage occurs to the work or any part thereof or materials/plant/equipment's for incorporation therein the period for which the eligible bidder is responsible for the cause thereof or from any cause whatsoever, the eligible bidder shall at his own cost rectify/replace such loss or damage, so that the permanent work conforms in every respect with the provision of the contract to the satisfaction of the Engineer. The eligible bidder shall also be liable for any loss or damage to the work/equipment's occasioned by him in course of any operation carried out to him during performing the contract.'

**15) RESPONSIBILITY TOWARDS THE WORKMAN OR OUTSIDERS -**

- The eligible bidder shall have to take insurance coverage from any authorized Insurance Company against Workmen compensation due under Workmen Compensation Act and submit copy of the insurance document before issuance of Work Order.

- The eligible bidder 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 bidders. The eligible bidder shall also be responsible for any claims of the workers including PF, Gratuity, ESI & other legal obligations.
  - Bidder shall have to submit JCCs within 60 days after supply of Batteries in District Office of CREDA.
- 16)** Contractor shall provide 05 years onsite warranty in supplied batteries from the date of supply as per the terms & conditions prescribed in the Bid No 1770/CREDA/HOR/RE-II/BATTERY BANK /2021-22 Dated : 07.06.2021
- 17) DECLARATION OF CONFLICT OF INTEREST –**
- A. The bidder shall not be permitted to Bid for the work if the section of HO CREDA (responsible for implementation of work) in which his near relative is posted. Furthermore, the successful bidder shall not be given work in the district in which his near relative is posted. The bidder shall also intimate the names of his near relatives working in the CREDA. Bidder shall also intimate the name of persons who are working with him in any capacity and who are near relatives to any employee in CREDA. Any breach of this condition by the bidder would render himself liable to be blacklisted for three years and removed from approved list of vendors.
- Note:- By the term near relatives is meant Wife, Husband, Parents and son , Brother, Sister, Brother-in-law, Father-in-law, Mother-in-law etc.
- B. Bidder must produce an affidavit (Annexure-III) stating the names of retired/removed employee of CREDA (if any) in his employment who retired /removed within last two years, if in case there is no such person in his employment, his affidavit should clearly state this fact. This affidavit is mandatory, if it is not produced along with the bid, the bid shall be rejected.
- 18)** The bidder shall arrange for the insurance coverage for the materials and Batteries at his/ for the supply under execution and successful commissioning and subsequent handover to the CREDA. The bidder shall take up insurance or such other measures for the manpower so as to cover the claim for damage arising under workmen's compensation Act and other applicable State/ Central laws. CREDA shall not bear any responsibility on this account.
- 19)** Bidder shall arrange for insurance coverage for batteries during COMC period i.e. for 05 years from the date of supply. Insurance should cover for damage and theft. In case of such incidence, bidder must replace the lost/damaged part within 7 days.
- 20)** The bidder shall abide by the terms and conditions, rules, guidelines, construction practices, safety precautions etc. stipulated in the Bid document including any correspondence between the bidder and the **CREDA** having bearing on execution of supply and payments of supply to be done under the contract.
- 21)** The Bidder 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.
- 22)** All the taxes deductible at source as per Acts in vogue shall be recovered by **CREDA** and deposited with the appropriate authorities
- 23)** Contractor agrees to abide by any decision/instruction passed by the appropriate authority under Anti-profiteering rules notified by the state/central government under GST act.

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

I/We hereby state that we have provided information of our near relatives as stated in the affidavit attached at "Annexure – III" of the aforementioned bid document.

"Herewith everything and anything contained in Bid document no. 1770/CREDA/HOR/RE-II/ BATTERY BANK /2021-22 Dated: 07.06.2021 is part of this agreement which has been dully signed by both bidder and authorized signatory of CREDA".

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

**Signed & sealed on behalf of the above**

**Named contractor**

Name :

Designation :

**Signed on behalf of CREDA**

Name: **Sanjeev Jain**

Designation: **Chief Engineer**

**Witness:**

1. Name:-.....

Address:-.....

.....

2.Name:-.....

Address:-.....

.....

### 3. SCHEDULE - I

#### PART A: GENERAL INFORMATION

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

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

**4. SCHEDULE - II**

**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 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 : Yes/No  
Rate/amount of rebate/discount
  - c) If conditional State condition : Yes/No
- 05. **PAYMENT TERMS:**  
Whether CREDA's terms of payment is acceptable to Bidder : Yes/No
- 06. **COMPLETION PERIOD OF WORK:**  
Whether Bidder is agreeing for completion period of work as Specified in the Bid : 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 BIDDER**

DATE:

NAME IN FULL

DESIGNATION/STATUS

FIRM/COMPANY SEAL



**5. SCHEDULE - III**

**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 completion certificate received during last 3 years : Yes/No  
from other State Nodal Agency or from other Organization for supply  
of batteries (if yes, give details) enclosed.
- 03. Whether pamphlets/technical details literatures along with drawing etc. : Yes/No  
furnished with the offer (if yes, give details)
- 04. 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.
- 05. Whether the Bidder has furnished details of manufacturing :Yes/No  
equipments and short history of plant (if yes, give details)
- 06. Whether details of manufacturing process furnished with offer. : Yes/No  
(if yes, give details)
- 07. 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

**6. SCHEDULE - IV**  
**TECHNICAL DEVIATIONS**

From,  
**Bidder Name & Address -**

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

**Sub – Technical Deviations.**

**Dear Sir,**

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

S.No	Condition and deviation	Clause no of Bid document	Page no of Bid document	Statement of Variation

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 Bid.

PLACE

**SIGNATURE OF BIDDER**

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.

**7. SCHEDULE - V**

**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 -

-----

-

<b>Sl.No.</b>	<b>Purchaser's Name &amp; Address</b>	<b>Order No. Date</b>	<b>Ordered Quantity</b>	<b>Qty. supplied (Nos.)</b>	<b>Value of Order</b>
---------------	---	---------------------------	-----------------------------	---------------------------------	---------------------------

-----

-

PLACE

**SIGNATURE OF BIDDER**

DATE

NAME IN FULL

DESIGNATION/STATUS

FIRM/COMPANY SEAL

**NOTE** - Photocopy of the completion certificate received from other State Agencies/Govt. Undertakings etc. should be enclosed.

**8. ANNEXURE – II**

**(EXPERIENCE CERTIFICATE ON THE OFFICIAL LETTER HEAD OF CONCERNED GOVERNMENT DEPARTMENT WITH SEAL AND SIGN BY AUTHORIZED SIGNATORY)**

Ref. No.....

Date.....

**CERTIFICATE OF SUPPLY OF BATTERIES**

This is to certify that **Name of Bidder, Address of Registered Office** has successfully completed the supply of .....Nos. solar batteries for solar application against various sanction of Name of Agency at various locations in... ..... State, as per following details –

Year	Type (LMLA battery)	Name of Purchaser with address	Capacity of batteries	Qty of batteries	Supply order no and date	Amount of order(In Rs.)
<b>Total</b>						

The workmanship and performance of the above batteries are found satisfactory and are in successful operation.

**Seal & Sign  
(Authorised Signatory)**

**9. ANNEXURE – III**

**FORMAT FOR THE AFFIDAVIT**

(Note: This affidavit should be on a non-judicial stamp paper of Rs. 100/- and shall be attested by Magistrate/Sub-Judge/ Notary Public)

I,.....(Name of the bidder authorized representative of the bidder) son/ daughter of..... resident of ..... (full address), aforesaid solemnly affirm and state as under :

- 1. I hereby certify that all the information furnished with the bid submitted in response to notice inviting bid number 1770/HOR/RE-II/BATTERY BANK/2021-22 Dated: 07-06-2021 issued by Chhattisgarh State Renewable Energy Development Agency (CREDA) (authority inviting bids) for supply of LMLA Battery banks of various capacities in the state of Chhattisgarh (name and identification of work) are true and correct.
- 2. I hereby certify that I have been authorized by..... (Company name) to sign on their behalf, the bid mentioned in sr.no.1 above. \*
- 3. Information furnished in the bidding documents is correct in all respects to the best of my knowledge and belief.
- 4. The near relations, as per clause 30(A) in Section - 02, in CREDA, are not in employment of the firm/company. (Note:-By the term near relatives is meant Wife, Husband, Parents and Son, Brother, Sister, Brother-in-law, Father-in-law, Mother-in-law etc.) (if working mention the name/names)

.....  
.....

- 5. The name of near relative (if any) as per Clause 31(B) who retired/removed within the last two years. (If None, clearly State None)

.....  
.....

- 6. No near relative is working as Financial Accountant in the CREDA. (if working mention the name)

.....  
.....

- 7. No person is working in the company in any capacity, who are near relatives to any Officer in Chhattisgarh State Renewable Energy Development Agency (CREDA) (If working mention the name)

.....  
.....

1. Our company/firm/ or otherwise is not under the clarification of ineligibility for corrupt and fraudulent practices by the Central Government, the State Government or any public undertaking, autonomous body, authority by whatever name called under the Central or the State Government. as mention in clause 1(F) of tender document.
2. I hereby authorize the CREDA Officials to get all the documents verified from appropriate sources (s).

Deponent

Place : .....

Date : .....

\* Not applicable if the bidder is an individual and is signing the bid on his own behalf.

**Verification**

I..... S/o.....do here by affirm that contents stated in Para 1 to 09 above and contents submitted in technical & financial bid are true to the best of my knowledge and believe and are based on my/our record.

Verified that this date of ..... at (Place).....

Deponent

**10. ANNEXURE – IV**  
**Benchmark cost of LMLA battery bank (in Rs. per unit) for different capacities**

S. No.	Item Specification	Unit Price in Rs.(excl. GST)
<b>01</b>	<b>2 Volt Lead Acid Tubular Plated Cells</b> in fully charged condition for SPV Power Plant along with arrangement for inter connection for these cell in parallel connection deep discharge electrolyte, Level indicator, Porcelain/acid resistant ceramic vent plug & Petroleum jelly as per Tender Specification:	
a.	100Ah @ C-10	2175
b.	200Ah @ C-10	4400
c.	300Ah @ C-10	4900
d.	400Ah @ C-10	6600
e.	600Ah @ C-10	10000
f.	800Ah @ C-10	13000
g.	900Ah @ C-10	14900
h.	1000Ah @ C-10	16100
j.	1200Ah @ C-10	20100
k.	1500Ah @ C-10	25000
<b>02</b>	<b>12 Volts Lead Acid Tubular Plated Battery</b> in fully charged condition for Solar Photovoltaic Power Plant (SPVPP) along with arrangement for inter connection for these cell in parallel connection, deep discharge electrolyte, Level indicator, Porcelain/acid resistant ceramic vent plug & Petroleum jelly as per Tender Specification:	
a.	40 Ah	5000
b.	75 Ah	7500
c.	80 Ah	8000
d.	100 Ah	10000
e.	120 Ah	12000
f.	150 Ah	15000
g.	180 Ah	20000
h.	200 Ah	18000

**Schedule of Rate for offering Buy-back/ Scrap Battery Sale**

S. No.	Description of Item	Rate in Rs. (Excl. GST)
01	Used/Scrap 2Volt Lead Acid Tubular Plated Cells (02volt/Ah/per piece)	2.25
02	Used/Scrap 12Volt Lead Acid Tubular Plated Cells (12volt/Ah/per piece)	11.4

**END**