



Chhattisgarh State Renewable Energy Development Agency (CREDA)

(Dept. of Energy, Govt. of Chhattisgarh)

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E-BID DOCUMENT No. 115047/CREDA/BATTERY BANK/2022-23 Dated: 18-11-2022

E-TENDER FOR STANDARDIZATION OF RATES FOR SUPPLY OF LOW MAINTENANCE LEAD ACID(LMLA),T-GEL & LITHIUM FERRO PHOSPHATE (LiFePo4)BATTERIES (FOR SOLAR APPLICATION) OF DIFFERENT CAPACITIES WITH FIVE YEARS UNCONDITIONAL ONSITE WARRANTY CONFORMING TO THE BIS & MNRE STANDARDS AND FOR BUY BACK OF SCRAP BATTERIES ANYWHERE IN THE STATE OF CHHATTISGARH.

Particulars	From Date & Time	To Date & Time	Place
Date of issue of notice inviting bid	18.11.2022 05:00 PM	-----	-----
Period of availability of bidding document at website	18.11.2022 05:00 PM	13.12.2022 05:00 PM	www.creda.co.in/Tenders https://eproc.cgstate.gov.in
Submission of Pre Bid queries in writing	18.11.2022 05:00 PM	28.11.2022 05:00 PM	To be Submitted hard copy at CREDA HO, Raipur or through E-mail at credatendercell@gmail.com
Submission of Online Bid (Technical + e Price Bid) and submission of Documents in hard copy	18.11.2022 05:00 PM	13.12.2022 05:00 PM	https://eproc.cgstate.gov.in
Opening of Technical Bid	15.12.2022 12:00 PM Onwards		At CREDA H.O., Conference Hall, Raipur. (https://eproc.cgstate.gov.in)
Evaluation of technical bid and Declaration of eligible bidder (The technical qualification part)	19.12.2022 12:00 PM Onwards		At CREDA H.O., Conference Hall, Raipur.
Opening of e- Price Bid	20.12.2022 03:00 PM Onwards		At CREDA H.O., Conference Hall, Raipur.

Tender Document Cost– Rs.10,000.00 + 18% GST = Rs.11,800.00

(In words Rupees Eleven Thousand Eight Hundred Only) to be deposited in CREDA's account along with EMD via Demand Draft/ Pay Order or RTGS / NEFT.

Document can be downloaded from our website www.creda.co.in or from Chhattisgarh e-Procurement portal i.e. <https://eproc.cgstate.gov.in>.

**CHATTISGARH STATE RENEWABLE ENERGY DEVELOPMENT
AGENCY**

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NIT Ref. No. 15122 /CREDA/BATTERY/2022-23

Date: 18/11/2022

NOTICE INVITING BID

CREDA invites online bid for standardization of rates for supply of low maintenance lead acid (LMLA),T-gel & Lithium Ferro Phosphate (Lifepo4) batteries of different capacities with five years unconditional onsite warranty conforming to the BIS & MNRE standards and for buy back of scrap batteries anywhere in the state of Chhattisgarh from registered vendors of CREDA for supply of batteries with 3 years track record in the field of manufacturing and supply of batteries, as per following details-

Sl. No.	Item Description	Approximate Quantity	Cost of Tender Document	EMD	Essentials
1.	Supply of low maintenance lead acid (LMLA),T-gel & Lithium Ferro Phosphate (Lifepo4) batteries of different capacities with five years unconditional onsite warranty conforming to the BIS & MNRE standards	15000	Rs 10,000.00 +18% GST = Rs.11,800.00	Rs. 10,00,000.00	As per clause no.1a to 1g of Eligibility Criteria (Page no.09-10)
2.	Buy-back of Scrap Batteries (Used Batteries), anywhere in the state of Chhattisgarh.				
TOTAL		15000	11,800.00	10,00,000.00	

The quantity of batteries in above table is based on target/ work that are expected to be given by various vendors to CREDA within the period of two years. The quantity may change as per field requirement and fund availability.

Estimated Value of tender:-Rs. 15 crores.

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	18.11.2022 05:00 PM	-----	-----
Period of availability of bidding document at website	18.11.2022 05:00 PM	13.12.2022 05:00 PM	www.creda.co.in/Tenders
Submission of Pre Bid queries in writing	18.11.2022 05:00 PM	28.11.2022 05:00 PM	To be Submitted hard copy at CREDA HO, Raipur or through E-mail at credatendercell@gmail.com
Submission of Online Bid (Technical + e Price Bid) and submission of Documents in hard copy	18.11.2022 05:00 PM	13.12.2022 05:00 PM	https://eproc.cgstate.gov.in
Opening of Technical Bid	15.12.2022 12:00 PM Onwards		At CREDA H.O., Conference Hall, Raipur. (https://eproc.cgstate.gov.in)
Evaluation of technical bid and Declaration of eligible bidder (The technical qualification part)	19.12.2022 12:00 PM Onwards		At CREDA H.O., Conference Hall, Raipur.
Opening of e- Price Bid	20.12.2022 03:00 PM Onwards		At CREDA H.O., Conference Hall, Raipur.

Technical Bid and Price Bid shall be submitted online only at <https://eproc.cgstate.gov.in>. However Technical Bid (as per the checklist) also has to be submitted duly signed hard copy at CE (RE-IV). If there is any discrepancy in the e-Bid and hard copy, only the documents in e-Bid shall be valid. **In no case the hard copy of documents shall be evaluated, they are only for record keeping by CREDA.** 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

<https://eproc.cgstate.gov.in>).

Details of this tender are mentioned at Tender Documents which can be downloaded from our website-www.creda.co.in.

The Bidder should have to deposit Tender document cost along with EMD as mentioned above through Demand Draft/Pay Order or NEFT/RTGS payable to CREDA Raipur while submitting tender.

Bidders are requested to submit their suggestions/objections/ reservations if any with details so as to avoid any confusion and to ensure clarity and transparency regarding the Bid in writing or by e-mail.

Any Addendum/Corrigendum/Amendment Notice if arises will only be uploaded on CREDA's Website.

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

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

CHECK LIST OF DOCUMENTS TO BE UPLOADED IN THE E-BIDDING PORTAL

To ensure that your Bid uploaded on the Chhattisgarh e-Procurement portal i.e. <https://eproc.cgstate.gov.in> is complete in all respects, please go through the following checklist & tick mark for the enclosures attached with your Bid –

S. No.	Envelope	Description of documents to be uploaded in the e-bidding portal	Complied(Yes/No)	Page No
1.	A. Pre-Qualification	EMD and Tender Document Fee submission form of the bidder confirmed by CREDA (as on page – 7)		
2.		Scanned copy of Undertaking of the Bidder as mentioned on Page –8 of the tender document on the letter head of bidder		
3.		Scanned copy of original tender document duly signed & with stamp on each page, as a confirmation of acceptance of the Terms & Conditions (T&C).		
4.		PAN, GSTIN issued in the name of the bidder		
5.		Self-certificate from Bidder on not being a debarred from Government contract or a blacklisted company.		
6.		Declaration of conflict of interest - by bidder about any relatives working with CREDA and Affidavit (Annexure II) (Hard Copy to be submitted as per Clause 4d, Section – 1)		
7.		Copy of Registration: Certificate as vendor for supply of batteries in CREDA valid at the time of submission of bid.		
8.	B. Technical and Financial Qualification	Copy of Approved and valid Test Reports of batteries and valid BIS license in the name of Bidder/Manufacturer as per eligibility criteria clause 1a of section-1.		
9.		Original Net Worth Certificate duly signed by Chartered Accountant as on 31 st March 2021/31 st March 2022.		
10.		Original certificate for last three financial years Turnover i.e. 2018-19, 2019-20 & 2020-21/2021-22 of work done in field of battery supply/manufacturing .		
11.		Original ITRs for last three financial Years i.e. 2018-19, 2019-20 & 2020-21/ 2021-22 of the bidder		
12.		Completion and Performance Certificates of supply of batteries/battery bank by the Bidder in Govt. Scheme of any state or Market Mode Scheme of CREDA in last three financial years i.e. 2019-20, 2020-21, 2021-22 & till 30.08.2022. (Annexure I)		
13.		Proof of being Eligible Manufacturer of batteries (OEM certificate).		
14.		Manufacture Authorization certificates of original manufacturer in case of Dealer/Distributor		
15.		Technical Data Sheet for each configuration of battery showing full technical details.		
16.		Declaration for using same make of equipment's as per the test certificate(Annexure – VI)		

Note:- Bidders shall have to also submit the original hard copies of the above mentioned documents.

Details of EMD and Tender Document Fee

Name of A/c	CREDA
Bank & Branch Name	ICICI Bank, Panchpedi Naka, Raipur
Bank Account Number	134601000400
Branch IFSC Code	ICIC0001346
Bid No. and Date	
Name of the Bidder	
Bidder's Bank Account Details	
(i) Name of the bank	
(ii) Branch	
(iii) IFSC Code	
(iv) Account No.	
(v) Transaction reference number	EMD - _____ ;Bid Document Fee - _____
(vi) Date of transaction	EMD - _____ ;Bid Document Fee - _____
(vii) EMD	Rs./- In Words (Rs.....)
(viii) Bid Document Fee	Rs./- In Words (Rs.....)

(Sign & Seal of the bidder)

***NOTE –**

- 1. The EMD and the Tender Document Fee shall have to be deposited as mentioned in the NIT in CREDA's bank account (amount mentioned above). Bidder shall have to upload the transaction details as above or a scanned copy of the DD (if transaction is done through DD)**
- 2. In case the transaction is done through DD, the original DD has to be submitted in envelope as per Clause 4(d), section-1.**

UNDERTAKING OF THE BIDDER
(To be submitted on letter head)

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 tender my rates for the execution of the work/supply 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. Ten Lakhs** is hereby forwarded as **Earnest Money** in the form of crossed Demand draft/Pay order / RTGS / NEFT payable to CREDA at Raipur (C.G.). If I/We fail to commence or complete the sanction/supply ordered in specified time or fail to fulfill 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 declare that none of our relatives is working in CREDA either on Regular/Contract/Placement basis or I/We don't have any partnership/subcontract obligation with any employee working in CREDA at present directly or indirectly and we will not enter in such obligation in future also. If any breach of declaration is found than we will be responsible for our debarment and any other action taken by CREDA.

Dated: **Signature**

Place:

Name of Bidder with seal.....

Witness:

Signature:

Name:

Postal Address:

.....
.....
.....
.....

SECTION - 1

INSTRUCTIONS FOR BIDDERS

1. ELIGIBILITY CRITERIA-

a. TEST REPORTS

- i. Bidder must have original valid test report of all type, categories & capacities of batteries i.e. LMLA, T-gel & LiFePo4 in the name of manufacturer. The batteries must be tested from Solar Energy Test Centre or any other test center accredited by Ministry of New & Renewable Energy (MNRE)/ NABL. Bidder must also have to submit certified copy of original test reports of following type, categories & capacities of batteries:-

S no	Battery Type	Configuration
01	LMLA and T-gel Battery	02V/300AH
02		02V/400AH
03		02V/600AH
04		12V/150AH
05		12V/200AH
06		12V/180AH
07	LiFePo4 Battery	Any configuration in the voltage range of 12V/24V/48V along with valid BIS license

Financial bid of those Bidders will not be opened who have not submitted valid test report however the bidder having test report of 02V LMLA batteries are allowed to participate in the 12V LMLA battery segment but they will not be eligible to quote price for 12V in the price bid. After submission of 12V test reports they may be allowed to work on L1 rates if they qualify in the tender.

Bidder should have original test certificate for batteries valid at the time of opening of the bid. In case of dealer/Distributor, the bidder should have certified copy of original test report along with valid BIS license issued by manufacturer to him on his letter head for submission.

In case, during the execution of the work/supply, if the bidder wishes to change the make of batteries (with the same specifications in this bid), then such bidder shall have to submit the test report of newly proposed configuration to CREDA and only after due approval from CREDA, the bidder can supply such batteries in the field. CREDA reserves the right to allow or disapprove such new configurations as and when they are brought to CREDA's notice by the bidders.

- ii. Bidder shall have to produce **certified copies of original test certificate(s)** (in addition to the documents submitted in hard copy as per Clause 4(d)) for the bidding at the time of opening of technical bid.

b. MINIMUM EXPERIENCE

Bidders must have minimum experience in last three consecutive financial years i.e. 2019-20, 2020-21 & 2021-22 till 30.08.2022 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 batteries of different capacities with five years unconditional onsite warranty conforming to the BIS and MNRE standards and buy back of scrap batteries anywhere in the state of Chhattisgarh.	LMLA/ T-gel battery/ LiFePo4	Minimum 03 years' experience in manufacturing/supply of LMLA/T-gel/LiFePo4 Batteries. The Bidder should have experience of supply of 8000 nos of LMLA/T-gel /LiFePo4 batteries to govt./ govt. Agencies/ govt. Undertaking or market mode scheme of CREDA	Minimum 03 years' experience in manufacturing/supply of LMLA/T-gel /LiFePo4 Batteries. The Bidder should have experience of supply of 12000 Nos of LMLA/T-Gel/ LiFePo4 batteries to govt./ govt. Agencies/ govt. Undertakings or market mode scheme of CREDA

2	Buy back of old used/scrap batteries	For all three types of batteries	For buy-back of used/scrap batteries:- The Bidder should be a Battery manufacturer or the bidder should have valid license / authorization from Central Pollution Control Board, Govt. Of India/ Pollution Control Board of any State.	For buy-back of used/scrap batteries:- The Bidder should be a Battery manufacturer or the bidder should have valid license / authorization from Central Pollution Control Board, Govt. Of India/ Pollution Control Board of any State.

In the case of market mode scheme, the bidder shall have to submit proof of supply (with summary of Invoices) of batteries/battery bank to system integrator registered with CREDA on the letter head of concerned SI and the concerned System integrator shall have to submit a letter to CREDA regarding the use of supplied batteries in the market mode scheme. A proper co-relation must be established between both the information provided otherwise CREDA has discretionary power to reject that quantity and amount of battery supplied in the evaluation process of tender.

- c. Bidders will have to submit experience of certificates containing complete details from the concerned state/central agencies/department document issued by competent authority duly sealed and signed along with bid document. Experience certificate shall be submitted in attached format (as per **Annexure – I**) or other format containing similar information shall be considered only in-case submitted in Hindi / English Language only. At the time of opening of technical bid, bidders shall have to present certified copies of **original test report/original test reports/certificate** as above. All these supplied batteries should be successfully operating as on date. **Bidder, whose firm is registered as a Pvt. Ltd. / Ltd. / Partnership / Proprietorship firm incorporated and/or worked in the State of Chhattisgarh (under CREDA scheme) consistently for five years shall be treated as Bidder of Chhattisgarh.**
- d. Bidders must have a Positive Net worth (**Positive Net worth means “Net value of the Assets minus (-) Net value of liabilities”**) of **Rs. 50 Lacs as on 31st March 2021/31st March 2022**. They shall have to submit an **Original CA Certified 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 Rs.10 Crore** in last three consecutive financial years i.e. 2018-19, 2019-20, and 2020-21/2021-22 in **battery supply/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. **In case of FY 2021-22, Bidder are allowed to submit provisional balance sheet, ITR, Turnover and Net-worth Certificate. CREDA reserves the right to call for these documents once audited from such bidders anytime during the validity of the bid.**
- f. Bidder 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. Even though the bidders meet the above qualifying criteria, they are subject to be disqualified if they have:
 - i. Made misleading or false representations in the forms, statements, affidavits and attachments submitted in proof of the qualification requirements; and/or
 - ii. 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
 - iii. 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. BIDDING PROCESS-

For ease of accessing the e-bidding website and registration the following is to be done by bidder -

- a. Visit <https://eproc.cgstate.gov.in>
- b. Prospective bidders are requested to download, read and understand the Manuals present on the website so as to clearly understand the bid submission process.
- c. The user will be directed to e-bidding page where all information regarding registration is available along with helpline details.
- d. Technical bid and Price Bid shall be submitted online only at <https://eproc.cgstate.gov.in> latest by **05.00 PM on 13.12.2022**. Bids submitted after scheduled time and date shall not be considered.

3. EMD AND BID DOCUMENT FEE-

Earnest Money Deposit of Rs. Five Lakhs submitted in the form of Demand Draft/Pay Order or RTGS/NEFT as mentioned in the NIT vide no. 15122/CREDA/BATTERY/2022-23 Date: 18.11.2022 , EMD submitted in any other form e.g. **Cash/Bank Guarantee/FDR/TDR etc. shall not be accepted.**

4. SUBMISSION OF DOCUMENTS -

- a. All the documents including technical and financial Bid should be submitted online on Chhattisgarh e-Procurement portal <https://eproc.cgstate.gov.in> as per the items mentioned in the Check list on page no.06 in this bid.
- b. Bidders are advised to finish all the bidding portal related activities such as registration, USB certificate/token approval, and payments etc. well in advance so as to avoid last minute difficulties during the bid submission.
- c. Bidders are also advised to make themselves fully aware with the bid submission mechanism to avoid last minute hassles and doubts during bid submission. CREDA shall only entertain genuine technical issues/glitches, provided that the bidder submits evidence regarding the same.
- d. Additionally, the bidders shall also have to submit all the documents, in original hard copy, as required in this bid as per the checklist on page 06 during the opening of technical bid. Bidders shall have to submit only the documents as per the checklist in the following envelopes.

Envelope A – Pre Qualification Documents (original DD should be submitted in this envelope)

Envelope B –Financial Qualification Documents.(GST, PAN; Net worth; Turnover; ITR and Balance Sheet)

Envelope C –Technical Qualification Documents

Note: The Envelopes mentioned above are only for submission purpose only and must not be related with the Envelopes mentioned in the context of the checklist on page-06.The documents submitted in hard copy (offline) before CREDA officials must match with those submitted in the Chhattisgarh e-Procurement portal. Any document other than the uploaded document shall not be considered. CREDA's tender committee will only evaluate the documents submitted on Chhattisgarh e-Procurement portal. In no case the hard copy of documents shall be evaluated, they are only for record keeping by CREDA.

5. SPECIFICATION AMENDMENTS-

- a. The Specifications of LMLA/T-Gel/LiFePo4 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.
- b. CREDA reserves the right to amend or change minor specifications of the entire or any component of batteries even after the issuance of supply order as per the site conditions and demand.

6. GST & PAN-

Bidder shall have to submit copies of GST registration number and PAN numbers issued

by the appropriate authority.

7. THE BID-

- a. The Pre-Qualification, Technical-Financial Qualification Documents and Price Bid, other related documents must be uploaded in the portal i.e. <https://eproc.cgstate.gov.in> from **18-11-2022 05:00 PM onward till 13-12-2022 up to 05:00 PM.**
- b. 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 and shall be rejected.**

8. ANALYSIS OF RATE -

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.

9. REGISTRATION OF BIDDER-

Bid shall be rejected of all those bidders who are not registered as vendor of battery with CREDA at the time of submission of bid. Only one dealer or distributor of a company/manufacturer or manufacturer itself shall be allowed to participate in the Bid. In case more than one dealer/distributor participates in the tender then the tender of both bidder will be rejected.

10. 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 year from the date of award/contract; however CREDA shall have liberty to increase or decrease this validity if needed.

11. 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.

12. CREDA RESERVES THE RIGHT-

- a. 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.
- b. 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.
- c. To increase or decrease of aggregate quantities as per discretion or circumstances.
- d. Due to large quantum & limitation of the time period for completion of the supply CREDA may, if required, take consent from other eligible Bidders if they agree to work on rates approved by CREDA.
- e. CREDA may undergo agreement with those eligible Bidders who give consent to supply on rates standardized by CREDA and may allocate work to them. Rates approved through this Bid may be standardized for all eligible Bids to supply batteries in **year 2022-23 and**

2023-24 and shall be valid till 31-03-2024. However CREDA reserves right to curtail or extend this period.

- f. CREDA reserves the right to amend or change minor specifications of the entire or any component of battery even after the issuance of sanction order as per the site conditions and demand.

13. COMMUNICATIONS -

- a. 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.
- b. Offers through Telegraph/Fax/Emails/Post/Courier or open offers etc. received shall be summarily rejected.

14. BID DOCUMENT FEE AND EARNESTMONEY DEPOSIT-

- a. Each Bidder should submit Bid Document Fee and earnest money in the form of Demand Draft/Pay Order or RTGS/NEFT. Each bidder should submit Tender Document Fee and Earnest Money Deposit (EMD) in the form of RTGS/NEFT as single transaction only as mentioned in the Bid No. **115047/CREDA/BATTERY BANK/2022-23 Dated 18-11-2022.**
- b. **Tender Document Fee and EMD submitted in any other form e.g. Cash/Bank Guarantee/FDR/TDR etc. shall not be accepted.**

15. PRE-BID QUERIES SUBMISSION IN WRITING-

- a. All suggestions, doubts, confusion, request, queries etc., shall have to be presented to CREDA in writing or through email to credatendercell@gmail.com on or before **28-11-2022 till 05:00 PM.** After that any representation in this regard shall not be considered.
- b. The purpose of pre-bid queries is to clarify issues and questions related to this Bid that can be raised at that stage. Any amendments in the bid documents which may become necessary as a result of pre-bid queries received shall be part of original Bid document and communicated through corrigendum on CREDA website www.creda.co.in and on Chhattisgarh e-Procurement Portal <https://eproc.cgstate.gov.in>.

16. TECHNICAL CRITERIA-

- a. Bidder must have original valid test report of all type, categories & capacities of batteries i.e. LMLA, T-gel & LiFePo4 in the name of manufacturer. The batteries must be tested from Solar Energy Test Centre or any other test center accredited by Ministry of New & Renewable Energy (MNRE)/ NABL. Bidder must also have to submit certified copy of original test reports of following type, categories & capacities of batteries :-

S no	Battery Type	Configuration
01	LMLA and T-gel Battery	02V/300AH
02		02V/400AH
03		02V/600AH
04		12V/150AH
05		12V/200AH
06		12V/180AH
07	LiFePo4 Battery	Any configuration in the voltage range of 12V/24V/48V along with valid BIS license

Financial bid of those Bidders will not be opened who have not submitted valid test report.

Bidder should have original test certificate for batteries valid at the time of opening

of the bid. In case of dealer/Distributor, the bidder should have certified copy of original test report issued by manufacturer to him on his letter head.

In case, during the execution of the work/supply, if the bidder wishes to change the make of batteries (with the same specifications in this bid), then such bidder shall have to submit the test report of newly proposed configuration to CREDA and only after due approval from CREDA, the bidder can supply such batteries in the field. CREDA reserves the right to allow or disapprove such new configurations as and when they are brought to CREDA's notice by the bidders.

- b. The Bidder should have sufficient technically qualified and well-experienced manpower for execution of the project and after sales service of batteries. These details may be called by CREDA and in case there is any deficiency found the Bidder may be debarred.
- c. Financial bid of those Bidders will not be opened who have not submitted valid test reports for batteries.

17. 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 including future participation in bids up to three years. CREDA's decision in this regard will be final and binding on the Bidders.

18. PRICE OF SUPPLY OF BATTERIES -

- a. The Price quoted for all configuration of type, categories and capacities of batteries must be with five years onsite unconditional warranty. The GST shall be paid extra as per prevailing rate (the GST regulation notification no. 08/2021-Central tax (Rate) dated 30.09.2021). The prices shall be filled exactly as per **e-Price Bid enclosed**.
- b. Any change in GST shall be become applicable during the period of contract.
- c. **There shall be no escalation of rates under any circumstances.**

19. ENGINEERING DOCUMENT-

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

20. COMPREHENSIVE MAINTENANCE CONTRACT (CMC) -

Comprehensive Maintenance Contract shall have two distinct components as described below-

- a. **Preventive / Routine Maintenance:** This shall be done by the contractor/vendor at least once in every three month and shall include activities such as cleaning and checking the health of the all Batteries, cleaning of surface, tightening of all electrical connections and any other activity that may be required for proper functioning of the batteries as a whole.
- b. **Breakdown / Corrective maintenance:** Whenever a complaint is lodged by the user/CREDA, the bidder shall attend to the same within a reasonable period of time (not exceeding 07 days from the date of complaint) and rectify the defects, period. Replacement of the defective component/ spares/batteries if required as and when such requirement would arise. The replacement work shall be carried out within the specified time limit i.e. maximum 07 days for minor replacement/repair and 15 days for major replacement/repair. It is mandatory that the contractor shall submit a certificate, about the rectification/replacement work done, from the concerning

beneficiary(s) to the DO, failing which it will be assumed that the contractor has not performed its duties. Major and minor replacement/repair shall be defined by CREDA separately.

For carrying out the maintenance service during CMC effectively, the contractor/vendor shall establish one local service center at suitable place (preferable at the same district).

- c. Facilities at the local Service Center: The bidder shall maintain the following facilities at the Local Service Centre for ensuring highest level of services to the end user:
 - i. Adequate trained manpower specifically trained by the bidder for carrying out the service activities.
 - ii. Sufficient spare parts, to extend services at the site(s).
- d. The Bidder shall submit certificates of maintenance / quarterly visits in the enclosed format (**Annexure- VII**) to respective DOs on quarterly basis, along with the service reports.
- e. If the bidder fails to repair the batteries against the complaints of breakdown /Corrective maintenance to ensure 100% working status during CMC period in stipulated period i.e. maximum 30 days. Repair / replacement work will be done by CREDA from their SD or any other due payments available with CREDA.
- f. A detailed methodology stating the plan to undertake the work of Maintenance Contract, proposed network of service centers should be submitted at the time of Contract.
- g. It has been observed from our past experience that **Lead Acid Low Maintenance (LMLA) batteries** is not being maintained by the vendors throughout the five years warranty period. The vendors always refuse to repair/replace the faulty **LMLA batteries** stating that the failure is due to operational abuse or improper maintenance or due to manufacturing defects hence the bidder has to deploy efficient man power for the five years routine maintenance of **LMLA batteries**. Bidder should have to visit the plant in each quarter for routine maintenance and topping up of **LMLA batteries**. The report of the routine maintenance and distilled water topping has to be submitted on quarterly basis to concerned District office of CREDA along with the geo-tagged photograph of maintenance work performed.
- h. In case of any complaint received regarding poor performance/fault of **LMLA batteries** from the field offices of CREDA then the bidders shall have to replace the LMLA batteries within 24 hrs after the receipt of information through any means i.e. Email, letter, telephone etc. No repair work shall be allowed or permitted in this regard.
- i. In continuation of point "h", the bidder shall be sole responsible for all warranty compliances and he cannot shift his responsibility to vendor/manufacture of batteries, if he does then penal action will be taken against him as per tender terms and conditions.
- j. The bidders shall have to quote their rates of **LMLA batteries** considering the above maintenance clause i.e. point no. g, h & i.
- k. In the above, only the monitoring work will be carried out by CREDA to gather the report of functionality of system/battery through service units and the same will be forwarded to bidder for the rectification if any. This arrangement is only to ensure 100 percentage functionality of batteries and solar power plant.

21. SAMPLES –

If required, samples of the components shall have to be displayed for CREDA in prescribed manner after receipt of notification of CREDA for testing, verification purpose without any additional cost.

22. INSPECTIONS -

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

23. CORRUPT OR FRAUDULENT PRACTICES -

- a. CREDA requires the bidder/SI to strictly observe the laws against fraud and corruption in force in India, namely, Prevention of Corruption Act, 1988.
- b. It is required that each bidder/SI (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.

24. MANDATORY EMPLOYMENT-

Qualified diploma engineer with minimum wage rupees 15000/- per month for works above rupees 20 lacs and Qualified graduate engineer with minimum wage rupees 25000/- per month for works above rupees 01 crore shall have to be deployed by the System Integrator/vendor. (As per CG Govt.'s order no. F7-17/2020/1-6 Dated 02.12.2020)

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.

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.

- a. **CREDA** shall mean the Chhattisgarh State Renewable Energy Development Agency represented through the Chief Engineer/Superintending Engineer.
- b. **Work/supply** shall mean any work entrusted to the Bidder as mentioned in the scope of work and Work Order.
- c. 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 quality of the batteries.
- d. "**The Eligible SI/Bidder/Vendor/contractor**" 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.
- e. "**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,
- f. "**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.
- g. **Bidder of Chhattisgarh State-**
 - i. Bidder registered as a Pvt. Ltd. / Ltd. / Partnership /Proprietorship firm incorporated/registered in the State of Chhattisgarh shall be treated as Bidder of Chhattisgarh.
 - ii. Bidder, whose firm is registered as a Pvt. Ltd. / Ltd. / Partnership / Proprietorship firm incorporated and/or worked in the State of Chhattisgarh (under CREDA scheme) consistently for five years shall be treated as Bidder of Chhattisgarh.

2. PROOF OF MANUFACTURER-

Those bidders who are manufacturers of Batteries shall have to submit proof of their manufacturing unit and appropriate registration documents 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-

- a. 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.

- b. All the materials supplied as per supply Order issued shall be kept at site in the custody of bidder. CREDA shall not be responsible for any loss or damage of any material during the transportation.
- c. All the electrical works should be done as per various provisions of Indian Electricity Act. The persons engaged for carrying out electrical works should have a valid **B-class** license or above issued by licensing board of Chhattisgarh.
- d. After supply, joint inspection shall be done in presence of vendor and CREDA and after successful installation and its approval from CREDA, a JCC shall be signed and the necessary documents shall be forwarded for payments as per guidelines and procedures of CREDA.

5. VARIATIONS, ADDITIONS & OMISSIONS-

CREDA shall have the right to alter, amend, omit, split or otherwise vary the quantum of supply, by notice in writing to the vendor/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 SI/vendor.

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 shall 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 components during the course of execution as per the specifications and guidelines laid by CREDA to ensure quality and performance of batteries and its 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 SYSTEM INTEGRATOR'S LIABILITY IN CASE OF DEFAULT-

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

- a. If in the opinion of the CREDA, the eligible vendor 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 vendor.
- b. If in the opinion of CREDA, the eligible vendor 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 vendor or agency upon such terms and in such a manner as it may deem appropriate and the eligible vendor shall be liable to CREDA for any additional costs or any losses caused to CREDA as may be required for the completion of supply 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. CREDA may debar such a defaulter vendor for up to three years from taking participation in taking part in all activities of CREDA.
- d. In the event CREDA does not terminate the contract as provided in paragraph (a) the eligible vendor shall continue performance of the contract, in which case he shall be

liable to CREDA for penalty for delay as set out in clause 15 until the supply is completed.

9. FORCE MAJEURE-

The eligible vendor 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 vendor 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 power plants 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 vendor 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 vendor to rectify the same. **CREDA may impose penalty for such rejection up to the 200% cost of the entire supply. Habitual/repeated offenders shall be black listed/debarred to participate in the any Bid/ Activity of CREDA till further orders.** The eligible vendor on receipt of such notices shall rectify or replace the defective material and rectify the work free of cost. If the eligible vendor 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 vendor plus **15%** service charges of the cost of such rectification, from the eligible vendor 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 vendor 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 supply is delayed due to any reason beyond the control of the eligible vendor, the eligible vendor 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 batteries as may be reasonable but without prejudice to other terms and conditions of the contract.

Chief Executive Officer, CREDA has full right for unconditional time extension.

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

- a. The Batteries & Other BOS should be as per BIS standards.
- b. The eligible vendor has to ensure that batteries are as per technical requirements of guidelines of CREDA as complied with. The material/works for which CREDA/MNRE or BIS or ISI specification is not available, engineer-in-charge of the works will examine and approve the material/works, preferably of all makes on which CREDA has report of satisfactory performance.
- c. Manufacturer Authorization Form (MAF) on with Manufacturer's Letter head of Battery/Other BOS which the vendor is intending to supply shall be submitted with technical bid.
- d. The vendor/dealer/Distributor shall ensure that manufacturer of batteries and other BOS shall be registered with CREDA before supply/use of batteries of his make.

13. WARRANTEE PERIOD AND POST SUPPLY SERVICES-

- a. The batteries supplied by the eligible vendor should be warranted for satisfactory operation and against any defect in material along with other balance of materials, at least for a period of **5 (five) years**, from the date of supply of the batteries as per scope of work.
- 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 vendor's.
- d. This warrantee must be an unconditional onsite warrantee and the eligible vendor will have to replace the defective material within **07 days** positively from the date of information given to him by CREDA.
- e. Care should necessarily be taken to make the batteries operational, once the reporting of the fault/non-operational status is done by CREDA through service units, within 5 days. If the batteries is not made operational within **07 days** CREDA may rectify the same at the cost of vendor and the warrantee period shall be extended accordingly for delay period.
- f. Eligible vendor/Bidder shall have to establish their service stations anywhere in the Chhattisgarh preferably in Raipur and shall have to keep sufficient quantity of batteries (Dry charged Condition) and man power to ensure proper service network for taking care of smooth functioning of batteries supplied by them. Vendor shall have to give a toll free number to register complaints.

14. TERMS OF PAYMENT-

- a. 95% of the cost of the supply order (including GST) after successful delivery of the batteries at the site and submission of JCC in hard copy.
- b. Balance 5% of the eligible payment excluding GST shall be retained by CREDA as Security Deposit for a period of **60 Months** from the date of supply.

15. PENALTY FOR DELAY IN COMPLETION OF CONTRACT-

- a. If the eligible bidder/vendor fails to complete the assigned supply within the schedule time specified in the supply Order or any extension granted there to, CREDA will recover from the vendor as penalty of up to **Two percent (2%)** per month of the battery price excluding GST for every delayed supply. 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. The eligible vendor shall not be liable for any penalty for delay or for failure to perform the contract for reasons of FORCE MAJEURE.
- b. Review of the progress of supply of batteries allocated to vendor shall be done time to time by CREDA and if the progress of supply is found unsatisfactory, the allocation of entire remaining supply or their part of can be re-allocated to other vendor as per discretion of CREDA.

16. SECURITY DEPOSIT (SD)-

- a. The Earnest Money shall be retained by CREDA up to the duration of validity of Tender, after agreement is done to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be required by CREDA.
- b. Beside this **5%** of the cost shall also be retained as SD during the five years of warrantee

period. No interest shall be payable on the SD.

- c. Period for which EMD and SD are to be retained may be extended in case the warrantee period is extended due to nonperformance of the batteries.
- d. All costs of damages and delays for which the eligible vendor is liable to the CREDA will be deducted from any money due to the eligible vendor including the security deposit of any project under CREDA.

17. INSURANCE-

The eligible vendor shall arrange insurance coverage for the batteries at his custody till successful handover to CREDA at site. The eligible vendor 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.

18. PENALTY DUE FROM THE ELIGIBLE VENDOR-

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

19. RESPONSIBILITY OF ELIGIBLE VENDOR-

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

20. RESPONSIBILITY TO RECTIFY THE LOSS AND DAMAGE-

If any loss or damage occurs to the batteries or any part thereof or materials/plant/equipment's for incorporation therein the period for which the eligible vendor is responsible for the cause thereof or from any cause whatsoever, the eligible vendor 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 vendor 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 Vendor shall have to take insurance coverage from any authorized Insurance Company against Workmen compensation due under Workmen Compensation Act.**
- b. The eligible vendor 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 vendors. The eligible vendor shall also be responsible for any claims of the workers including, labor payments PF, Accidental Insurance, Gratuity, ESI & other legal obligations.
- d. CREDA shall have all rights to deduct such claims of payments from vendor in case of complaints of such violations.

22. NON-ASSIGNMENTS-

- a. 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.

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 vendor 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 SI/vendor 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 at Chhattisgarh.

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 vendor under the terms of the contract shall be served by registered mail to the registered office of the eligible vendor or by hand to the authorized local representative of the eligible vendor and copy by post to the eligible vendor'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 vendor 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 vendor 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. Any regular employee working or worked on basis of contract or through placement agency cannot work directly or indirectly in any scheme of CREDA. If such a person is found working with any vendor or through sublet then, such vendor shall be blacklisted for three years.
- b. 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 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 vendor would render himself liable to be blacklisted for three years and removed from approved list of vendors in CREDA.

Note- By the term near relatives are meant Wife, Husband, Parents and son, Brother, Sister, Brother-in-law, Father-in-law, and Mother-in-law etc.

- c. Bidder must produce an affidavit (**Annexure – II**) 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 Technical Bid, will be taken into further consideration and financial bid of only those parties who are qualifying the criteria of Technical Bid will be opened.
- 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. CREDA shall have rights and liberty to call any /other parties who are technically qualified but not accepted to supply on approved rates, as and when required 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. L1 rate i.e. lowest rate of supply of batteries shall be considered, however CREDA shall have discretionary power to amend/lower the rates.

33. ALLOCATION OF TARGETS AND AREA OF WORK–

- a. Preference shall be given to L1 Bidder in any or all categories for supply.
- b. Additionally, the allocation of supply to bidders, including L1 bidder shall be subject to their past performance in CREDA. CREDA reserves the right to amend the allocations to bidders based on this criterion.
- c. Increase or decrease allocations shall be decided at the sole discretion of CREDA, which shall be final, binding and conclusive on the bidders.
- d. Allocation can be further extended or curtailed as per discretion of CREDA, in interest of expeditious work completion.
- e. CREDA reserves all rights for allocation of supply and the decision of CEO, CREDA shall be final and binding.
- f. Review of the progress of supply order issued to vendors shall be done time to time by CREDA and if the progress of work is found unsatisfactory, the allocation of entire remaining supply or their part of can be re-allocated to other vendor as per discretion of CREDA.

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 anytime.**

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

(Name, Signature & Seal of the SI)

SECTION-3

SCOPE OF WORK

The scope of work in brief will be as follows-

- 1. Supply of LMLA/T-Gel/LiFePo4 batteries as per the technical specifications approved by CREDA. Five years onsite unconditional onsite warrantee for manufacturing defects shall be required for batteries after successful delivery and proper handing over. The vendor shall have to provide all technical support for the successful installation and commissioning of batteries in the solar power plant or any other solar systems.**

- 2. The scope of work shall also include the following:**
 - a. Vendor shall furnish all necessary information for batteries, Warrantee, DOs & Don't etc. so as to avoid further misunderstandings and disputes.
 - b. Detailed planning of time bound smooth execution of supply order.
 - c. Providing User Manuals and Warrantee Cards to beneficiary /CREDA.
 - d. SI/vendor shall have to submit JCCs within 120 days of supply of batteries in concerned District Office of CREDA.
 - e. Onsite unconditional warrantee for manufacturing defects for Five years fault-less operation, assure inventory for maintenance.
 - f. Vendor must ensure safety and insurance against risk liability of all personnel associated during installation and repairs of the system.
 - g. Training of at least two persons nominated by CREDA, on the various aspects of operation and maintenance of the offered batteries after commissioning.
 - h. The eligible vendor shall maintain sufficient inventory of the spares to ensure that the system can be made functional within 7 days from the communication of breakdown of the system during the warrantee period.
 - i. The eligible SI/vendor shall run the system on trial basis and shall closely monitor the performance of the batteries before handing over, so that the assured performance can be estimated for monitoring of the system. CREDA shall examine the output units(Kwh) extracted from batteries and ascertain if the unit(Kwh) extracted is adequate with reference to the capacity of the batteries.
 - j. The eligible vendor shall have to monitor the performance of the batteries before its handing over at site, so that the desired back up can be assured.
 - k. Performance Guarantee Test: Successful performance guarantee test to demonstrate the rated capacity of batteries as per CREDA's norms shall have to be conducted by vendor in presence of representatives of CREDA, if required.
 - l. Vendors shall have to establish their service stations anywhere in the state of Chhattisgarh preferably in Raipur 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. Vendors shall have to give a toll free number to register complaints.
 - m. The batteries shall have to be supplied and commissioned at site by trained manpower/contractor from a recognized training centre as per guidelines of CREDA. The training certificate can be checked by the officials of CREDA at the time of visit/inspection, if required.
 - n. In case of LiFepo4 battery banks the vendor shall have to design the BMS as per the requirement/capacity of solar system already installed at the site. Vendor will have to provide all technical support to CREDA for the installation and successful commissioning of batteries with the solar power plant.

SECTION -4

TECHNICAL SPECIFICATION FOR LMLA, T-GEL, LiFePo4 BATTERIES

I. GENERAL TECHNICAL SPECIFICATION:

The capacities of batteries that is usually ordered for the various solar power plants installed by CREDA are listed as below:-

BROAD TECHNICAL PARAMETERS

SN	Battery Bank Capacity /Configuration LMLA, T-gel, Lithium Ferro phosphate(LFP)				
	LMLA, T-gel Battery		Lithium Ferro phosphate (LFP) Battery		
	Voltage in V	Capacity in AH	Voltage in V	Capacity in AH	Capacity in Kwh(Nearest Unit)
1	24	180	24	138	3.5
2	48	180	48	138	7
3	48	300	48	228	11
4	48	400	48	270	13
5	48	400	48	270	13
6	96	300	96	228	22
7	96	400	96	270	26
8	96	600	96	378	36
9	120	600	144	378	54
10	120	600	144	378	54
11	120	600	144	378	54
12	240	300	240	228	55
13	240	400	240	270	65
14	240	400	240	300	72
15	240	600	240	378	91
16	240	600	240	378	91
17	240	900	-	-	
18	240	1000	-	-	
19	240	1000	-	-	

Configuration of LMLA/T-Gel batteries generally required for operation and maintenance of various system:-

S no	Battery Configuration	S no	Battery Configuration
1	02V/300AH	8	12V/80AH
2	02V/400AH	9	12V/40AH
3	02V/600AH		-
4	12V/150AH		-
5	12V/200AH		-
6	12V/180AH		-
7	12V/75AH		-

01. BATTERY TECHNICAL SPECIFICATION-

a. TECHNICAL SPECIFICATIONS FOR LITHIUM FERRO PHOSPHATE (LFP) BATTERY-

The battery should be of Lithium Ferro phosphate (**LFP**) type having capacity mentioned in the chart at standard conditions. The configuration of battery assembly should be as per requirement of capacity. The cell should be prismatic/ cylindrical type. The other features of the battery should be as follows:

SN	Description	Specification
1	Minimum cell capacity	3.2V 6Ah / 3.2V 10Ah
2	Working Temperature Range (both for charging & discharging)	-20°C~60°C; humidity ≤ 85% (While Discharging) 0°C ~ 50°C ; humidity ≤ 85 % (While Charging)
3	Storage Temperature Range	0°C - 30°C (3 months at 25°C)
4	Cycle Life (Full charge to full discharge @ 25 deg C before capacity of battery falls below 75%)	≥ 2500 Cycles (The cycle life is defined as the number of complete charge/ discharge cycles that the battery is able to support before that its capacity falls under 90 % of its original capacity; cycle life derived at 25°C)
5	Battery Warranty	5 years
6	Type of BMS	Smart BMS
7	Type of Cell	Cylindrical / Prismatic
8	Protection	Overcharge protection Deep discharge protection Short circuit protection Over temperature protection
9	Charging Time	Around 4 to 5hrs
10	Low Voltage Cut-off	2.65 V Per cell
11	High Voltage Cut-off	3.60V Per cell
12	IS Standards	IS 16046(Part-II):2018,IS 16047

The Lithium iron phosphate battery needs a very good “Battery Management Systems” BMS to ensure the proper charging and discharging of each cell of battery with temperature compensation. This battery also needs constant current and constant voltage charging methodology related to upper voltage limit of battery. BMS primary focus is therefore on the safety and the protection of the battery pack, to minimize the risk of sudden failure and to maximize the life cycle of the battery. The secondary function of the BMS is to perform battery diagnosis, such as state of charge (SOC) estimation, state of health (SOH) estimation and state of power (SOP) estimation. Hence a very good battery management system to be incorporated and got it tested with battery from MNRE/NABL accredited lab as per IEC/BIS standard.

b. TECHNICAL SPECIFICATIONS FOR LOW MAINTENANCE LEAD ACID (LMLA) BATTERY-

Supply of 2 Volts Tubular Plate long life low antimony 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:-

Cell	2 Volt cell	12 Volt cell
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 up to 50°C	Minimum 05 years life at up to 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	Storage Batteries:-IS 16270
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

- i The battery bank shall consists of required number of deep-discharge electrochemical storage cells, suitably interconnected as required. Parallel connections of storage cells will be discouraged.
- ii 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.
- iii The nominal voltage and capacity of the storage bank shall be selected and specified by the supplier in the bid.
- iv The self-discharge rate of the battery bank or individual cell shall not exceed four (4) percent per month.
- v The permitted maximum depth of discharge (DOD) shall be specified by the supplier in the bid.
- vi Unless otherwise specified the cycle life of the battery shall not be less than 1500 DC 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.
- vii The cells shall include explosion proof safety events.
- viii 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.
- ix 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.
- x 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:

- (i) A check list of all items required.
 - (ii) Minimum specification with possible alternatives, of the required battery charger for first time charging
 - (iii) Instruction of electrolyte filling, battery charging etc. and instructions on the transportation of charged batteries, if required.
- xi** Suitable number of corrosion resistant and acid-proof storage racks shall be supplied to accommodate the cells. The rack design shall be such that minimum space is required, without any way obstructing the maintenance requirements. For metallic racks, standards specified for control panel enclosures and other metallic shall govern.
- xii** All technical and other details pertaining to the storage cells shall be supplied including but not limited to the following:-
- Rated voltage and ampere hour capacity of each storage cell has the rated discharge rate.
- (i) Permitted maximum DOD.
 - (ii) Self-discharge rate.
 - (iii) Cycle life of the storage cell and the anticipated life (in years) of the battery bank.
 - (iv) Total number of storage cells in use.
 - (v) Details on cell interconnections, if any.
 - (vi) Rates for single tier and double tier battery rate should be quoted in Price Bid.
 - (vii) Self-discharge per month < 4% @ 27°C.
 - (viii) Charge efficiency >93% @ 20% DOD (i.e. 80% SOC).
 - (ix) Topping-up frequency not more than once in 12 months after commissioning.
 - (x) Supplied in dry charge condition.
 - (xi) Insulated terminal connectors, fasteners, sealed floats and charge instruction card supplied.
 - (xii) Special micro-porous ceramic vent plugs.
 - (xiii) Low antimony tubular positive plates.
 - (xiv) Rugged construction & Long Cycle life.

xiii Battery Rack for LMLA Battery-

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) the batteries must be provided with insulated copper terminal connectors & 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.

c. Battery Bank - Technical Specifications for Tubular Gel (T-gel) Battery-

- i** Tubular positive plates for T-Gel - Proven cycling and deep cycling capabilities.
- ii** Gelled electrolyte for T-Gel with H₂SO₄ electrolyte - no stratification and no failure Partial State of Charge (PSOC)
- iii** Valve regulated - no water top up during service life
- iv** Antimony free alloy - longer shelf life because of very low self-discharge
- v** High pressure die-cast spine grids - rate of grid corrosion is very low & higher float life
- vi** Supplied in filled and charged condition - 100% capacity on first discharge
- vii** Versatile in mounting can be mounted both in horizontal and vertical orientation for AGM and Vertical mounting for T-Gel batteries

2 Volts Tubular Plate Cell and 12 volts T-Gel Battery Technical characteristics

T-Gel Battery Technical Characteristics	
Service life:	Minimum 05 years "service life up to 50°C for 2 Volt
	Minimum 05 years service life up to 50°C for 12 Volt
Cyclic Endurance:	as per IEC 61427 by a 3 rd party
	as per IEC 60896-2 by a 3 rd party
Design Cycle life: 2	2100 cycles at 80% Depth of Discharge at 27°C

Volt	6000 cycles at 20% Depth of Discharge at 27°C
Design Cycle life: 12 Volt	1575 cycles at 80% Depth of Discharge at 27°C 4500 cycles at 20% Depth of Discharge at 27°C
Conforming Standards :	Storage Batteries:-IS15549, IS16270,IS13369 &IS16046
Operating temperature:	Range: -20°C to +55°C (Optimum life can be obtained at an avg., of 31°C)
Operation	
Charger settings:	Chargers of constant potential & current limit type with temperature compensation are to be used
Standalone SPV System	Regulation Voltage: 2.3 to 2.4 ± 0.005 V/cell at 25°C Charge Current Limit : up to 0.40 C 10A Max
SPVPP System	CREDA SPVPP Installation & Commissioning Tender Norms.

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

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

- (i) Permitted maximum DOD.
- (ii) Self-discharge rate.
- (iii) Cycle life of the storage cell and the anticipated life (in years) of the battery bank.
- (iv) Total number of storage cells in use.
- (v) Details on cell interconnections, if any.
- (vi) Self-discharge per month <4% @ 27°C.
- (vii) Charge efficiency >93% @ 20% DOD (i.e. 80% SOC).
- (viii) Supplied in fully charged condition
- (ix) Insulated terminal connectors, fastener and charge instruction card supplied.
- (x) Low antimony tubular positive plates.
- (xi) Rugged construction & Long Cycle life.

ix Battery Bank-

The battery bank capacity shall be of different capacities as specified in the price schedule T-Gel battery. The general specifications shall be as under:

- (i) The battery bank shall consist of required number of deep-discharge electro-Chemical storage cells, suitably interconnected as required. Parallel connections of storage cells will be discouraged.
- (ii) 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.
- (iii) The nominal voltage and capacity of the storage bank shall be selected and specified by the supplier in the bid.
- (iv) The self- discharge rate of the battery bank or individual cell shall not exceed four (4) percent per month.
- (v) The permitted maximum depth of discharge (DOD) shall be specified by the supplier in the bid.
- (vi) Unless otherwise specified the cycle life of the battery shall not be less than 1500 DC 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.
- (vii) The cells shall include explosion proof safety events.
- (viii) The cells shall include the required number or corrosion resistant inter-cell connectors. Full instructions and technical details shall be provided.
- (ix) The cells shall preferably be supplied in fully charged condition, complete with all required racks and connectors.

x Battery Rack-

Battery Bank must be supplied with necessary racks (duly acid resistant powder coated with 9 tank process) & Heavy duty copper connectors with Lead /Tin coating as required.

xi 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:-

- (i) Multi meter (10A)-On each Set-**Handed Over to District Office**
- (ii) Petroleum jelly - 1/4Kg-**Supplied at site**
- (iii) Rubber hand gloves- 01 set-**Supplied at site ordered**
- (iv) Spanner One Set-**Supplied at Site**
- (v) Operation and instruction manual - Plastic coated Instruction manual-**At Site**
- (vi) Clamp Meter(100A)-On each set of 120 Nos of battery bank- **Concerned Regional Office**
- (vii) Hydrometer:-01 set –On each set of LMLA battery bank-**At site**

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.

02. Mandatory BIS/IEC Standard -

The batteries must conform to the latest edition of IEC/ Equivalent BIS Standards/ MNRE specifications / as specified below:

S NO	BOS ITEMS/SYSTEMS	Applicable BIS/Equivalent IEC Standard Or MNRE Specifications	
		Standard description	Standard no.
1	Storage Batteries(LMLA/T-Gel)	Secondary cells and batteries for SPV application, general- requirements and methods of test	IS 16270
2.	LiFePo4 batteries and cell	Secondary cell and batteries containing alkaline or other nonacid electrolytes-safety requirement for portable sealed secondary cells and for batteries made from them for use in portable application	1.IS 16046 (PART-2):2018 2. IS 16047(Part -3):2018

03. BATTERY TROLLEY/RACK-

A metallic box of minimum 18 SWG thick made of pre coated galvanized (60 micron thickness) MS sheet or Polymer/ABS box of minimum 2mm thickness for housing the storage battery indoors should be provided with proper lock and key. The boxes should be inscribed with CREDA written on front faces. The size of box should be as per battery size. The battery should be fixed inside the battery box so it should be properly separated to avoid the electrical contact between battery and box. Danger logo as approved by CREDA shall be screen printed on the box. The BMS module is the part of battery pack.

04. ELECTRICAL CONNECTIONS-

High quality ISI mark copper strips/ cable (In case of LMLA/T-Gel battery bank) of reputed makes are to be provided for Battery terminal interconnection.

05. DANGER BOARDS-

Danger boards should be provided as and where necessary as per IE Act/IE Rules as amended up to date as per the instructions of CREDA & affixed at various appropriate locations.

06. ELECTRIC CABLE-

All the cables shall be supplied conforming to IEC 60227– IS 694 / IS 1554 – IS / IEC 60502 shall be of 650 V/1.1 kV grade as per requirement. Only PVC copper cables shall be used.

07. WARRANTY-

The batteries and its accessories must be unconditional onsite warranted against any manufacturing/ design/ defects for a minimum period of five years from the date of supply.

08. TRACEABILITY OF THE PRODUCT TO BE SUPPLIED-

In order to prevent the misuse of the product such as unauthorized sale or diversion to the open market, the following incorporation shall be made in the product.

Engraving (or) Screen printing of CREDA at a suitable place on the main components viz battery to be used.

09. WARRANTY AND MAINTENANCE-

- a. The batteries including electrical components and overall workmanship must be warranted against any manufacturing/ design defects must be warranted for a minimum of 5 years from the date of supply.
- b. The Comprehensive Maintenance (within warranty period) shall be executed by the firm themselves or through the authorized dealer/ service centre of the firm in the concerned district. Separate work order shall be issued by CREDA for the CMC if required.
- c. During warranty period only monitoring work will be carried out by CREDA through deployment of service units to gather information regarding performance and functionality of batteries so that the information could be forwarded to vendor for immediate rectification/replacement of faulty batteries.
- d. It is mandatory for the contractor to open an authorized service center in the concerned area before the supply of battery bank.
- e. Necessary maintenance spares if any for five years trouble free operation shall also be supplied with the system.
- f. The supplier shall be responsible to replace free of cost (including transportation and insurance expenses) to the purchaser whole or any part of supply which under normal and proper use become dysfunctional within one month of issue of any such complaint by the purchaser.
- g. The Comprehensive Maintenance (within warranty period) will include the total system including Battery etc whatsoever at site.
- h. It is an essential part of the contract that the bidder shall provide warranty on batteries for 5 years. During the warranty following maintenance will required to be carried out by the contractor.
 - h(a) Quarterly checking up keeping and replacement of batteries for proper operation of the system.
 - h(b) Repairing/replacement of all defective batteries of the system as per the requirement to ensure proper operation of the system.
 - h(c) The scope of work includes repairing/replacement of battery to make the system functional within warranty period whenever a complaint is lodged by the user at site. The contractor shall attend the same within a week. Apart from this any complaint registered/ service calls received / faults notified in the report generated by the IVRS should be attended to and the system should be repaired/ restored/ replaced within 4 days.
 - h(d) In case of any damage or breakage of the component due to negligence or fault of beneficiary or theft etc, the same shall be replaced at users cost.
 - h(e) In case of battery damaged due to natural calamity, contractor shall replace the same at his own cost, if required during warranty period.
 - h(f) The safety and security of the batteries supplied shall be sole responsibility of the user.

SECTION -5

ANNEXURES, FORMS

ANNEXURE – I

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

Ref.No.....

Date.....

CERTIFICATE OF COMPLETION OF SUPPLY – LMLA /T-GEL/LiFePo4 BATTERY

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

S.no	Type of batteries(LMLA/T-GEL/LiFePo4)	Capacity of batteries	Year & Scheme	Total number of batteries supplied	Remarks if any
		Total -			

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

Seal & Sign
(Authorized Signatory)

FORMAT FOR THE AFFIDAVIT

(Declaration of conflict of Interest)

(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 Tender/bid no. 115047/CREDA/BATTERY/2022-23 DATE-18-11-2022 issued by Chhattisgarh State Renewable Energy Development Agency (CREDA) (authority inviting bids) for standardization of rates for supply of low maintenance lead acid (LMLA),T-gel & Lithium Ferro Phosphate (Lifepo4) batteries of different capacities with five years unconditional onsite warranty conforming to the BIS & MNRE standards and for buy back of used/scrap batteries anywhere 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)
.....
.....
8. 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.

- 9. 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 9 above and contents submitted in technical & financial bid are true to the best or my knowledge and believe and are based on my/our record.

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

Deponent

e-Price Bid
e-Price Bid (For supply of LMLA,T-Gel,LiFePo4 batteries)

Schedule of Rates for supply of batteries
(e-bidding as per Specifications & Scope of Work of
BID DOCUMENT No. 115047/CREDA/ BATTREY/2022-23 Dated-18-11-2022)

Rates for supply of low maintenance lead acid (LMLA),T-gel & Lithium Ferro Phosphate (Lifepo4) batteries of different capacities with five years unconditional onsite warranty conforming to the BIS & MNRE standards and for buy back of scrap batteries anywhere in the state of Chhattisgarh as per scope of work, technical requirement, specifications & terms and conditions etc of the tender.

Price Bid

FOR SUPPLY OF NEW BATTERIES			
S No	Details of batteries	Units	Rate (Excluding GST) (In.Rs)
1	Supply of lead acid low maintenance(LMLA) batteries as per tender technical specification and terms & conditions		
1.1	For 02 Volts	Per AH	
1.2	For 12 Volts	Per AH	
2	Supply of T-Gel batteries as per tender technical specification and terms & conditions		
2.1	For 02 Volts	Per AH	
2.2	For 12 Volts	Per AH	
3	Supply of Lithium Ferro Phosphate batteries(LiFePo4) as per tender technical specification and terms & conditions along with Suitable smart Battery Management System(BMS)	Per KWH	
4	Supply of Lithium Ferro Phosphate batteries(LiFePo4) as per tender technical specification and terms & conditions along with Suitable smart Battery Management System(BMS)		
4.1	Capacity 12.8V/30AH	Per Nos	
4.2	Capacity 12.8V/40AH	Per Nos	
4.3	Capacity 12.8V/80AH	Per Nos	
4.4	Capacity 12.8V/90AH	Per Nos	
FOR BUY-BACK OF OLD USED/SCRAP BATTERIES			
5	Buy Back of used/Scrap 02V cell		
5.1	LMLA	Per AH/Cell	
5.2	T-Gel	Per AH/Cell	
6	Buy Back of used/scrap12V Battery		
6.1	LMLA	Per AH/Battery	
6.2	T-Gel	Per AH/Battery	

Certified that rate quoted above are as per the requirement, specification and terms & condition mentioned in the bid 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 with 5 years warrantee, as mentioned in the Bid document. (Above rates applicable for supply of batteries as per MNRE and CREDA Specifications stated in Bid document (Page 25-31)). 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.

(No other cost will be claimed other than above quotes price & the applicable GST)

Signature of the Authorized Signatory:.....

Seal of Company:

Date:

CREDA Logo to be pasted on SPV modules of Solar Power Plant System



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 DOCUMENT No. - 115047/CREDA/BATTERY/2022-23 Dated 18-11-2022** (also referred to as “Service Contract”) is made on the day of2022.

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 bya 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 atand Registered Office at.....hereinafter called “The Contractor/Vendor” and also referred to as “.....”

Whereas the contractor has offered to enter into contract with the said CREDA for “Supply of low maintenance lead acid (LMLA),T-gel & Lithium Ferro Phosphate (Lifepo4) batteries of different capacities with five years unconditional onsite warranty conforming to the BIS & MNRE standards and for buy back of used/scrap batteries anywhere in the state of Chhattisgarh”.

Vide **BID DOCUMENT No. 115047/CREDA/ BATTERY/2022-23 Dated-18.11.2022** 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 whereas 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 labours employed at his own expenses and by means of tools, implements and equipment etc. to be supplied by him to his labour at his own expenses, for supply of “**BATTERIES**” 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 Annexure therein, engineering documents, detailed specifications of BOS & drawings, so far they relate to the Bid DOCUMENT No. 115047/CREDA/BATTERY/2022-23 Dated-18/11/.2022 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 here in 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 installation and commissioning. Such inspection will not relieve the eligible SI/vendor 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 SI/vendor, 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 SYSTEM INTEGRATOR'S/VENDOR'S LIABILITY IN CASE OF DEFAULT-**

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

- a. If in the opinion of the CREDA, the eligible SI/Vendor fails to complete the work within the time specified in the Work Order or within the period for which extension has been granted by CREDA to the eligible SI.
- b. If in the opinion of CREDA, the eligible SI/Vendor 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 SI/Vendor or agency upon such terms and in such a manner as it may deem appropriate and the eligible SI/vendor shall be liable to CREDA for any additional costs or any losses caused to CREDA as may be required for the completion of 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 work. CREDA may debar such a defaulter SI/Vendor for up to three years from taking participation in taking part in all activities of CREDA.
- d. In the event CREDA does not terminate the contract as provided in paragraph (a) the eligible SI/vendor shall continue performance of the contract, in which case he shall be liable to CREDA for penalty for delay as set out in clause 16 until the work is completed.

8) FORCE MAJEURE-

The eligible SI/vendor 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 SI/vendor 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/manufacturer/OEM, 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 SI/Vendor 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 SI/vendor 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 SI on receipt of such notices shall rectify or replace the defective material and rectify

the work free of cost. If the eligible SI/vendor 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 SI/vendor plus **15%** service charges of the cost of such rectification, from the eligible SI/vendor 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 SI/vendor 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 SI/vendor, the eligible SI/vendor 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 batteries as may be reasonable but without prejudice to other terms and conditions of the contract.

Chief Executive Officer, CREDA has full right for unconditional time extension.

11) PENALTY FOR DELAY IN COMPLETION OF CONTRACT-

- a. If the eligible SI/vendor fails to complete the assigned work within the schedule time specified in the work/supply Order or any extension granted there to, CREDA will recover from the SI as penalty of upto **Two percent (2%)** per month of the battery price excluding GST for every delayed supply. 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. The eligible SI/vendor shall not be liable for any penalty for delay or for failure to perform the contract for reasons of FORCE MAJEURE
- b. Review of the progress of supply of batteries allocated to SI's/Vendor's shall be done time to time by CREDA and if the progress of supply is found unsatisfactory, the allocation of entire remaining supply or their part of can be re-allocated to other SI/vendor as per discretion of CREDA

12) PENALTY DUE FROM THE ELIGIBLE SI-

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

13) RESPONSIBILITY OF ELIGIBLE SI'S -

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 SI/vendor. If in any case the eligible SI/vendor 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 SI/vendor.

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 SI/vendor is responsible for the cause thereof or from any cause whatsoever, the eligible SI/vendor 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 SI/vendor 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 OUT SIDERS-

- a. The eligible SI/vendor shall have to take insurance coverage from any authorized Insurance Company against Workmen compensation due under Workmen Compensation Act .
 - b. The eligible SI/vendor 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 SIs/vendors. The eligible SI/vendor shall also be responsible for any claims of the workers including PF, Gratuity, ESI & other legal obligations.
 - d. CREDA shall have all rights to deduct such claims of payments from SI/vendor in case of complaints of such violations.
- 16) Contractor shall provide 05 years onsite unconditional warranty in supplied batteries from the date of supply as per the terms & conditions prescribed in the **BID DOCUMENT No. 115047/CREDA/ BATTERY/2022-23 Dated-18/11/2022** .

17) DECLARATION OF CONFLICT OF INTEREST -

- a. Any regular employee working or worked on basis of contract or through placement agency cannot work directly or indirectly in any scheme of CREDA. If such a person is found working with any SI/VENDOR or through sublet then, such SI shall be blacklisted for three years.
- b. 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 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 SI would render himself liable to be blacklisted for three years and removed from approved list of SIs/vendors in CREDA.

Note:- By the term near relatives are meant Wife, Husband, Parents and son, Brother, Sister, Brother-in-law, Father-in-law, and Mother-in-law etc.

- c. Bidder must produce an affidavit (**Annexure – II**) 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 contractor shall arrange insurance coverage for the batteries at his custody for the work under execution and successful handover to the CREDA. The contractor shall take up insurance or such other measures for the manpower so as to cover the claim for damage arising under workmen's compensation Act and other applicable State/ Central laws. CREDA shall not bear any responsibility on this account.
- Contractor shall arrange for insurance coverage for batteries during CMC period i.e. for 05 years from the date of supply. Insurance should cover for damage and theft. In case of such incidence, SI/vendor must replace the lost/damaged batteries within 7 days.**
- 19) The contractor shall abide by the terms and conditions, rules, guidelines, construction practices, safety precautions etc. stipulated in the Bid document including any correspondence between the contractor and the **CREDA** having bearing on execution of work and payments of work to be done under the contract.
 - 20) The contractor shall be responsible to follow all the laws including Workmen Compensation Act and all other laws in force & shall be responsible for all the obligations towards labour including EPF, ESI, etc.

- 21) All the taxes deductible at source as per Acts in vogue shall be recovered by **CREDA** and deposited with the appropriate authorities
- 22) 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.
- 23) Any dispute arising out of the contract shall be subject to the jurisdiction of Hon'ble High Court of Chhattisgarh.

"Herewith everything and anything contained in Bid document no. 115047/CREDA/BATTERY/2022-23 dated: 18/11/2022 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

Name of contractor/Vendor

Signed on behalf of

CREDA

Name:

Name:

Designation:

Designation:

Witness:

1. Name:-.....

2.Name:.....

Address:-.....

Address:.....

Ref. Bid Document No. 115047/CREDA/BATTERY/2022-23

Dated 18.11.2022

DECLARATION FOR USING SAME MAKE OF EQUIPMENTS AS PER THE TEST CERTIFICATE

From:

M/s _____

Sub: Declaration for using same make of equipment's as per the test certificate

We are agreeing to accept that the same make of batteries for which the test report is to be submitted under this Bid to CREDA, is as per Guidelines and Procedures mentioned in the bid and will be supplied by us. We declare to procure the components mentioned above only from the Vendors registered with CREDA.

Incase if some different make of batteries will be supplied during the implementation or CMC period, we will submit the test report for that particular make component(s). We also agree that such test reports shall be issued by the National Institute of Solar Energy and any other lab accredited by NABL for testing of batteries as per MNRE/BIS specifications and testing procedure.

Name of Authorized Signatory

**Signature of suppliers
(With stamp)**

CERTIFICATE OF QUARTERLY VISITS

(To be submitted by Vendor/Supplier during warranty period)

(From To)

This is to certified that we have extended preventive / routine maintenance and breakdown / corrective maintenance services for the battery bank supplied as per list attached of District _____ and that the preventive / routine maintenance and breakdown /corrective maintenance work during the period (from _____ to _____) of the year _____ has been done properly to ensure functionality of the batteries as specified in the Tender terms & conditions and agreement.

This is also to certify that no's/sets of batteries are working satisfactorily out of..... no's/sets of total battery bank. The record of preventive / routine maintenance and breakdown / corrective maintenance work carried out by us is kept in our record at our service station.

Signature, Name, Designation and Seal of System Integrator/Vendor/Supplier

Date :
Place :

Signature, Name, Designation and Seal of District In-charge of CREDA

SCHEDULE - I
PART 'A': GENERAL INFORMATION

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

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

PLACE:

SIGNATURE OF BIDDER

NAME IN FULL

DATE:

DESIGNATION/STATUS

FIRM/COMPANY SEAL

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 :
- 02. Whether the offer is valid for 6months : Yes/No
 From the date of opening of commercial/technical bid.
- 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. **PAYMENTTERMS:**
 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 : Yes/No
 Specified in the Bid
- 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 : Yes/No
 Part quantities.

PLACE:

SIGNATURE OF BIDDER

DATE:

NAME INFULL

DESIGNATION/STATUS

FIRM/COMPANY SEAL

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 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 equipment : Yes/No
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. Whether all testing facilities are available. : Yes/No
If so, give details and in case of non-availability of facilities indicate approved lab available in
surrounding areas where tests are proposed to be conducted.

PLACE

SIGNATURE OF BIDDER

DATE

NAME IN FULL

DESIGNATION/STATUS

FIRM/COMPANY

SEAL

SCHEDULE -IV
TECHNICAL DEVIATIONS

From,
Bidder Name & Address -

To,
The CE(RE-V),
CREDA, HO,
Raipur

Sub – Technical Deviations.

Dear Sir,

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

Sl. No.	Condition	Clause No. of Tender Document	Page No. of Tender Document	Statement of deviations and variations
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02. 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.

END