



Chhattisgarh State Renewable Energy Development Agency (CREDA)

(Dept. of Energy, Govt. of Chhattisgarh)

Near Energy Education Park, Village Fundhar VIP

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Rfs No.: 174240/CREDA/GCSRT/RESCO/SLAGMC/2025-26

Date: 22.08.2025

Request for Selection (RFS)			
Document For Selection of Solar Power Plant Developers for Setting up of distributed cumulative capacity of 1.3MWp {2X650kWp(DC)/2X500kW(AC)} of Grid Connected Rooftop Solar PV Project at Late Shri Lakhi Ram Agrawal Memorial Medical College Building & Late Shri Lakhi Ram Agrawal Memorial Hospital Building, Raigarh, Chhattisgarh under RESCO Model on Net-metering Basis through Tariff Based Competitive Bidding.			
Particulars	From Date & Time	To Date & Time	Place
Date of issue of notice inviting RFS	22.08.2025 05:00 PM	---	----
Period of availability of RFS document at website	22.08.2025 05:00 PM	22.09.2025 05:00 PM	www.creda.co.in/Tenders https://eproc.cgstate.gov.in
Submission of Pre Bid queries in writing	22.08.2025 05:00 PM	01.09.2025 05:00 PM	To be Submitted hard copy at CREDA HO, Raipur or through E-mail at credatendercell@gmail.com
Submission of Online Bid (Request for Selection) and submission of Documents in hard copy	22.08.2025 05:00 PM	22.09.2025 05:00 PM	https://eproc.cgstate.gov.in
Opening of Technical Bid	23.09.2025 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)	24.09.2025 12:00 PM Onwards		At CREDA H.O., Conference Hall, Raipur. (https://eproc.cgstate.gov.in)
Opening of e- Price Bid	29.09.2025 12:00 PM Onwards		At CREDA H.O., Conference Hall, Raipur. (https://eproc.cgstate.gov.in)

RfS Document Cost– Rs.25,000.00 + 18% GST = Rs.29,500.00

(in words Rupees Twenty-Nine Thousand Five 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**CONTENTS**

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NOTICE INVITING TENDER

CREDA Invites Online Tender for Survey, Capacity assessment, Design, supply, erection, testing and commissioning including warranty, operation & maintenance for 25 years Grid Connected Roof Top Solar PV System capacity of 1.3MWp {2X650kWp(DC)/2X500kW(AC)} at Late Shri Lakhi Ram Agrawal Memorial Medical College Building & Late Shri Lakhi Ram Agrawal Memorial Hospital Building, Raigarh, Chhattisgarh under RESCO Model on Net-metering basis, as per following details-

S. No.	Item Description	Capacity	Cost of Tender Document	EMD
1.	For Selection of Solar Power Developers for Setting up of distributed cumulative capacity of 1.3MWp{2X650kWp(DC)/2X500kW(AC)} of Grid Connected Rooftop Solar PV Project at Late Shri Lakhi Ram Agrawal Memorial Medical College Building & Late Shri Lakhi Ram Agrawal Memorial Hospital Building, Raigarh, Chhattisgarh under RESCO Model on Net- metering Basis through Tariff Based Competitive Bidding.	1.3MWp {2X650kWp(DC)/2X500kW(AC)}	Rs 25,000.00 +18% GST = Rs.29,500.00	Rs.10,00,000.00
TOTAL		1.3MWp {2X650kWp(DC)/500kW(AC)}	Rs.29,500.00	Rs.10,00,000.00

The selected firm will have the opportunity to execute the projects for the sites allocated by CREDA under the Grid Interactive Roof Top Solar Power Plants in accordance with technical specification. The tender document is available at CREDA website www.creda.co.in.

Important Events and time schedule for this tender are as follows—

Particulars	From Date & Time	To Date & Time	Place
Date of issue of notice inviting bid	22.08.2025 05:00 PM	---	----
Period of availability of bidding document at website	22.08.2025 05:00 PM	22.09.2025 05:00 PM	http://www.creda.co.in/tenders
Submission of pre bid queries in writing or through E-mail	22.08.2025 05:00 PM	01.09.2025 05:00 PM	At H.O. CREDA, Raipur (C.G.) RE-III, Section or by E-mail : credatendercell@gmail.com
Submission of Online Bid (Technical + e-Price Bid) and Submission of Documents in hard copy	22.08.2025 05:00 PM	22.09.2025 05:00 PM	https://eproc.cgstate.gov.in and at H.O. CREDA Raipur (C.G.).
Online Opening of Technical Bid	23.09.2025 12:00 PM Onwards		At CREDA H.O., Raipur (C.G.) Conference Hall, Raipur. (https://eproc.cgstate.gov.in)
Evaluation of technical bid and Declaration of Eligible bidders (Bidders who are technically & financially qualified)	24.09.2025 12:00 PM Onwards		At Conference Hall, CREDA H.O., Raipur (C.G.)
Online Opening of e- Price Bid	29.09.2025 12:00 PM Onwards		At Conference Hall, CREDA H.O., Raipur(C.G.)

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

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://www.eproc.cgstate.gov.in>)
Details of this tender are mentioned at Tender Documents which can be downloaded from our website www.creda.co.in.

Interested bidders have to necessarily register themselves on the portal <https://eproc.cgstate.gov.in/> to participate in the bidding under this invitation for bids. It shall be the sole responsibility of the interested bidders to get themselves registered at the aforesaid portal for which they are required to contact **1800 0419 9140** to complete the registration formalities.

The Bidder shall have to deposit tender document cost along with EMD as mentioned above through demand draft/RTGS/NEFT 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 tender in writing or by e-mail.

Any Addendum/Corrigendum/Amendment Notice, if needed, shall be uploaded on CREDA's Website.

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

Executive Engineer (Tender Cell)
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 –

Sl. 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		Format for Performance Bank Guarantee (PBG) (Format 8.3 A)		
3		Check List for Bank Guarantees (Annexure-A)		
4		Undertaking Form		
5		Scanned copy of original tender document duly signed & with stamp on each page, as a confirmation of acceptance of the Terms & Conditions (T&C).		
6		PAN, GSTIN issued in the name of the bidder.		
7		Self-certificate from Bidder for not been debarred/ blacklisted from any Government organization.		
8		Declaration of conflict of interest - by bidder about any relatives working/not working with CREDA along with notarized Affidavit. (Annexure E)		
9	B. Technical and Financial	Attested copy of Original Net Worth Certificate duly signed by Chartered Accountant as on 31st March 2024/2023.		
10		Format for Financial Requirement (Format 8.5)		
11		Completion, Installation & Commissioning Certificate of Grid Connected Solar Rooftop System.		
12		Format of Covering Letter (Format 8.1)		
13		Format of General Particulars of Bidder (Format 8.2)		
14		Format for Power of Attorney (Format 8.3)		
15		Format for Board Resolutions (Format 8.4)		
16		Format for Disclosure (Format 8.6)		
17		Reference Bidders' Declaration Format associated with Implementation of ALMM Order (Annexure B)		

Details of EMD and Tender fee attached

Tender No. and Date	
Name of the Bidder	
Bidder's Bank Account Details	
(i) Name of the bank	
(ii) Branch	
(iii) IFS 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.....)

Name	CREDA
Bank & Branch Name	ICICI Bank, Panchpedi Naka, Raipur
Bank Account Number	134601000400
Branch IFS Code	ICIC0001346

(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 A as per Clause 6(d).

UNDERTAKING OF THE BIDDER

(To be submitted on letter head)

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

I/We hereby tender my rates for the execution of the work for CREDA as specified within the time stipulated in the schedule in accordance with all aspects with the specifications, designs, drawings and instructions with such conditions so far as applicable.

I/We agree to keep the tender valid for **One Hundred Eighty (180) days** from the due date of submission thereof and not to make any modifications in its terms and conditions.

A sum of **Rs. Ten Lakh** is hereby forwarded as **Earnest Money** in the form of crossed Demand draft/Pay order or RTGS / NEFT payable to CREDA at Raipur (C.G.). If I/We fail to commence or complete the sanction ordered in specified time or fail to fulfil the any condition of tender 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 tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be required by CREDA.

I/We hereby declare that I/We shall treat the tender documents, specifications and other records connected with the work as secret/confidential and shall not communicate information derived there from to any person other than a person to whom I/We have authorized to communicate the same or use the information in any manner prejudicial to the safety of CREDA/Government.

I/We shall abide to all the laws and shall be responsible for making payments of all the taxes, duties, levies and other Govt. dues etc. to the appropriate Govt. departments.

Our GST Registration No._____. The PAN No. under the Income Tax Act is _____. The GST Clearance certificate is attached herewith.

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, then we shall 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:

PART - I

DEFINITIONS & ABBREVIATIONS

1 DEFINITIONS & ABBREVIATIONS

In this “Bid /RfS Document” the following words and expression will have the meaning as herein defined where the context so admits:

- 1.1 **"ACT" or "ELECTRICITY ACT, 2003"** shall mean the Electricity Act, 2003 and include any modifications, amendments and substitution from time to time;
- 1.2 **"Affiliate"** shall mean a company that either directly or indirectly
- controls or
 - is controlled by or
 - is under common control with, a company developing a Project.
- 1.3 **"APPROPRIATE COMMISSION"** shall mean as defined in the PPA
- 1.4 **"BID" or "PROPOSAL"** shall mean the documents submitted by the Bidder towards meeting the techno-commercial and financial qualifying requirements, along with the price bid submitted by the Bidder, as part of its response to the RfS issued by CREDA.
- 1.5 **"BIDDER"** shall mean Bidding Company (including a foreign company) submitting the Bid. Any reference to the Bidder includes Bidding Company, as the context may require; foreign companies participating in the bidding process shall be registered as companies as per the rules of their country of origin;
- 1.6 **"CAPACITY UTILIZATION FACTOR (CUF)"** shall have the same meaning as provided in CERC (Terms and Conditions for Tariff determination from Renewable Energy Sources) Regulations, 2017 as amended from time to time duly adopted and notified by Chhattisgarh State Electricity Regulatory Commission. However for avoidance of any doubt, it is clarified that the CUF shall be calculated on the Contracted Capacity;
- In any Contract Year, if ‘X’ MWh of energy has been metered out at the Delivery Point for ‘Y’ MW Project capacity, $CUF = (X \text{ MWh} / (Y \text{ MW} * 8766)) * 100\%$;
- 1.7 **"CHARTERED ACCOUNTANT"** shall mean a person practicing in India or a firm whereof all the partners practicing in India as a Chartered Accountant(s) within the meaning of the Chartered Accountants Act, 1949.

For bidders incorporated in countries other than India, “Chartered Accountant” shall mean a person or a firm practicing in the respective country and designated/ registered under the corresponding Statutes/ laws of the respective country;

1.8 “COMPANY” shall mean a body corporate incorporated in India under the Companies Act, 2013 or any law in India prior thereto relating to Companies, as applicable.

1.9 “CONTRACTED CAPACITY” shall mean the AC capacity in MW contracted with Procurer for supply by the SPG to Procurer at the Delivery Point from the Project, based on which the PPA is executed with Procurer.

1.10 CONTRACT YEAR” shall mean the period beginning from the Effective Date and ending on the immediately succeeding March 31 and thereafter each period of 12 months beginning on April 1 and ending on March 31 provided that the last Contract Year of this Agreement shall end on the last day of the Term of this Agreement.

1.11 “CONTROL” shall mean the ownership, directly or indirectly, of more than 50% (fifty percent) of the voting shares of such Company or right to appoint majority Directors;

1.12 “CONTROLLING SHAREHOLDING” shall mean more than 50% of the voting rights and paid-up share capital in the Company;

1.13 “CSERC” shall mean Chhattisgarh State Electricity Regulatory Commission.

1.14 “DAY” shall mean calendar day;

1.15 “EFFECTIVE DATE” shall mean the date as on 30th day from the date of issuance of Letter of Award, i.e. the date on which the Power Purchase Agreement (PPA) shall be executed by both the parties;

1.16 “EQUITY” shall mean Net Worth as defined in Companies Act, 2013

1.17 “FINANCIAL CLOSURE” or “PROJECT FINANCING ARRANGEMENTS” means arrangement of necessary funds by the Solar Power Developer either by way of commitment of funds by the Company from its internal resources and/or tie up of funds through a bank/ financial institution by way of sanction of a loan or letter agreeing to finance;

1.18 “GROUP COMPANY” of a Company means a Company which, directly or indirectly, holds 10% (Ten Percent) or more of the share capital of the Company or;

I a Company in which the Company, directly or indirectly, holds 10% (Ten Percent) or more of the share capital of such Company or;

II a Company in which the Company, directly or indirectly, has the power to direct or cause to be directed the management and policies of such Company whether through the ownership of securities or agreement or any other arrangement or otherwise or;

III a Company which, directly or indirectly, has the power to direct or cause to be directed the management and policies of the Company whether through the ownership of securities or agreement or any other arrangement or otherwise or;

IV a Company which is under common control with the Company, and control means ownership by

one Company of at least 10% (Ten Percent) of the share capital of the other Company or power to direct or cause to be directed the management and policies of such Company whether through the ownership of securities or agreement or any other arrangement or otherwise;

Provided that a financial institution, scheduled bank, foreign institutional investor, Non-Banking Financial Company, and any mutual fund shall not be deemed to be Group Company, and its shareholding and the power to direct or cause to be directed the management and policies of a Company shall not be considered for the purposes of this definition unless it is the Project Company developing the Project;

- 1.19 “IEC”** shall mean specifications of International Electro-Technical Commission.
- 1.20 “INTER-CONNECTION POINT/ DELIVERY/ METERING POINT”** shall be the single point, at a location mutually agreed by the SPD and Client Organization, in line with applicable regulation/ rules where Solar Power is delivered by the SPD from the Project to the Client Organization.
- 1.21 “JOINT CONTROL”** shall mean a situation where a company has multiple promoters (but none of the shareholders has more than 50% of voting rights and paid up share capital);
- 1.22 “LETTER OF AWARD” or “LoA”** shall mean the letter issued by CREDA to the selected Bidder for award of the Project;
- 1.23 “LIMITED LIABILITY PARTNERSHIP” or “LLP”** shall mean a Company governed by Limited Liability Partnership Act 2008 or as amended;
- 1.24 “LLC”** shall mean Limited Liability Company;
- 1.25 “MONTH”** shall mean calendar month;
- 1.26 “NET METERING”** means the metered prosumers of a Licensee who intends to/ has set up a grid connected rooftop solar PV system in the consumer premises, which can be self-owned or third party owned wherein the energy imported from the grid and the energy exported to the grid interactive rooftop solar PV system are netted. As Notified under prevailing CSERC guideline for net metering.
- 1.27 “NET-WORTH”** shall mean the Net-Worth as defined section 2 of the company Act, 2013;
- 1.28 “PAID-UP SHARE CAPITAL”** shall mean the paid-up share capital as defined in Section 2 of the Company Act, 2013;
- 1.29 “PARENT”** shall mean a Company, which holds more than 50% voting rights and paid up share capital, either directly or indirectly in the Project Company developing the Project;
- 1.30 “PPA”** shall mean the Power Purchase Agreement signed between the Successful SPG and Procurer according to the terms and conditions of the standard PPA enclosed with this RfS;

- 1.31 “PROJECT” or “ROOFTOP SOLAR PV PROJECT” or “SOLAR POWER PROJECT”** shall mean a Solar Photovoltaic Project set up on a single rooftop or collection of rooftops having a single or multiple metering point(s). The Project shall include all units/modules, auxiliaries and associated facilities, structures, equipment, plant and machinery, facilities and related assets required for the efficient and economic operation of the power generation facility, whether completed or at any stage of development and construction or intended to be developed and constructed for the purpose of supply of power.
- 1.32 “PROJECT CAPACITY”** shall mean the maximum AC capacity at the delivery point that can be scheduled on which the Power Purchase Agreement shall be signed;
- 1.33 “PROJECT COMMISSIONING”:** The Project will be considered as commissioned if all equipment as per rated project capacity has been installed and energy has flown into grid, in line with the Commissioning procedures defined in the RfS/ PPA;
- 1.34 “PROJECT DEVELOPER” or “DEVELOPER” or “Solar Power DEVELOPER (SPD)”** shall mean the Bidding Company participating in the bid and having been selected and allocated a project capacity by CREDA (through a competitive bidding process), {in case of the Successful Bidder itself executing the Project}, or the SPV formed by the selected bidder for the purpose of setting up of the Project and signing of PPA with the Client Organization {in case of Project execution through SPV}.
- 1.35 “RESCO”** shall mean Renewable Energy Service Companies.
- 1.36 “RESCO MODEL”** shall mean a business model where the Project Developer sets up a Rooftop Solar PV Power Project on the rooftop of a building owned by a different entity, by obtaining right to access the rooftop/leasing the rooftop with the rooftop owning entity on mutually agreed terms and conditions, and enters into the PPA with rooftop owner/ DISCOM/ others for supply of Solar power for the term of the PPA. The Project Developer is responsible for Survey, capacity assessment, construction, commissioning, ownership and operation of the Project for the entire term of the PPA at its own risk and cost.
- 1.37 “RfS DOCUMENT”** shall mean the bidding document issued by CREDA including all attachments; clarifications and amendments thereof vide RfS no.-174240 CREDA/GCSRT/RESCO/SLAGMC/2025-26 Dated 22.08.2025
- 1.38 “SCHEDULED COMMISSIONING DATE” or “SCD”** shall be the date as indicated in Clause 7 of ITB in the RfS.
- 1.39 “SELECTED BIDDER” or “SUCCESSFUL BIDDER”** shall mean the Bidder selected pursuant to this RfS to set up the Project and supply electrical output as per the terms of PPA;
- 1.40 “SOLAR PV PROJECT”** shall mean the Solar Photo Voltaic Power Project that uses sunlight for direct conversion into electricity through Photo Voltaic Technology;

- 1.41** **“TOE”** shall mean Tender Opening Event.
- 1.42** **“ULTIMATE PARENT”** shall mean a Company, which owns not less than 50% (Fifty Percent) equity either directly or indirectly in the Parent and Affiliates;
- 1.43** **“WEEK”** shall mean calendar week;

PART - II

INVITATION FOR BIDS
(IFB)

INVITATION FOR BIDS (IFB) FOR

Selection of Solar Power Developers for Setting up of 1.3MWp {2X650kWp(DC)/2X500kW(AC)} of Grid Connected Rooftop Solar PV Project at Late Shri Lakhi Ram Agrawal Memorial Medical College Building & Late Shri Lakhi Ram Agrawal Memorial Hospital Building, Raigarh in Chhattisgarh under RESCO Model on Net-metering Basis through Tariff Based Competitive Bidding.

- 2.1 To achieve energy security and for having good optics, it is envisaged to develop solar rooftop projects on large scale by utilizing vacant roofs of Late Shri Lakhi Ram Agrawal Memorial Medical College Building & Late Shri Lakhi Ram Agrawal Memorial Hospital Building, Raigarh, Chhattisgarh under the Department of additional sources of Energy, Government of Chhattisgarh State desires to implement grid connected rooftop solar PV projects on the roofs of Government buildings/offices as a part of its Renewable Energy Initiatives. These Rooftop systems will be implemented as per provisions in CSERC guideline and its amendments thereof under net-metering mechanism in all consumer categories.
- “NET METERING” means an arrangement for measurement of energy in a system under which rooftop solar PV system installed at eligible consumer’s premises as given above delivers surplus electricity, if any, to the Distribution Licensee after off-setting the electricity supplied by Distribution License during the applicable billing period.
- If CSERC makes any amendment in prevailing regulation for Net Metering arrangement during installation time period, the same may be adopted by the building owner. However, for RESCO mode implementation the tariff will remain unchanged.
- 2.2 CREDA, therefore, invites sealed bids from eligible bidders to participate in Request for Selection (RfS) for Site Survey, Design, Manufacture, Supply, Erection, Testing and Commissioning including Warranty, Operation and Maintenance of Roof Top Solar PV Power Plants in RESCO mode to be implemented on Net metering basis.
- 2.3 For the implementation of above-mentioned work, Bidders should submit 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 EE (Tender Cell). 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.**
- 2.4 Bidder shall submit bid proposal along with non-refundable tender fee and refundable EMD complete in all respect as per the Bid Information Sheet. Techno-Commercial bids will be opened as per the Bid Information Sheet. Bid proposals received without the prescribed Tender fees and EMD will be rejected. In the event of any date indicated in Bid Information Sheet is a declared Holiday, the next working day shall become operative for the respective purpose mentioned herein.
- 2.5 Bid documents which include Eligibility Criteria, Technical Specifications, various Conditions of Contract, and Formats etc. can be downloaded from CREDA website www.creda.co.in, Technical Bid and Price Bid shall be submitted online only at <https://www.eproc.cgstate.gov.in>. However, any amendment(s)/ corrigendum/ clarification(s) with respect to this Bid shall also be

uploaded on CREDA website. The Bidder should regularly check for any Amendment(s)/ Corrigendum/ Clarification(s) on the above website only.

2.6 The bidding process under this Rooftop scheme is for 1.3MWp {2X650kWp(DC)/2X500kW(AC)} comprising of RESCO Model on Net-metering basis. Under RESCO Model on Net- metering (Rs. Per kWh Tariff).

2.7 The bidding process under this rooftop scheme is for 1.3MWp {2X650kWp(DC)/2X500kW(AC)} capacity under RESCO Model on Net-metering basis for Late Shri Lakhi Ram Agrawal Memorial Medical College Building & Late Shri Lakhi Ram Agrawal Memorial Hospital Building, Raigarh, Chhattisgarh. Bidder shall submit bids for 1.3MWp {2X650kWp(DC)/2X500kW(AC)} .

2.8 Successful bidders must visit the locations/ sites/ buildings for checking the feasibility of space including installation capacity in consultation with respective site in charge / owner. CREDA shall not bear any responsibility in this regard. Successful bidders need to submit project sanction documents (PPA agreement between successful bidder and Late Shri Lakhi Ram Agrawal Memorial Medical College & Late Shri Lakhi Ram Agrawal Memorial Hospital, Raigarh, Chhattisgarh at the quoted tariff as per RfS and project report) for the approval of CREDA for issuance of project specific sanction letter(s). The PPA between building owner & developer shall be executed in the prescribed format which shall be uploaded separately on CREDA website. However, CREDA shall facilitate the process.

2.9 SCOPE OF WORK:

- i. The Scope of the Work would essentially cover, but not limited to Identification and Site Survey of Roof Tops, Site Visit, Solar Potential Assessment, Finalization of Feasibility Report for Identified Locations, Design, Engineering, Manufacture, Supply, Storage, Civil work, Erection, Testing, Commissioning, Submission of Project Proposals and PCRs to CREDA, ensuring Net- metering as per the CSERC Regulation and its amendment thereof, quality control of the grid connected rooftop Solar PV Project including Operation and Maintenance (O & M) of the project for a period of 25 years after commissioning of project.
- ii. The Fixed Tariff of 25 years shall include all the costs related to above Scope of Work. Bidder shall quote for the entire facilities on a “single responsibility” basis such that the total Bid Price covers all the obligations mentioned in the Bidding Documents in respect of Survey, Design, Supply, Erection, Testing and Commissioning including Warranty, Operation & Maintenance (25 years for RESCO in Net-metering), goods and services including spares required if any during O&M period. The Bidder has to take all permits, approvals and licenses, Insurance etc., provide training and such other items and services required to complete the scope of work mentioned above. The fixed tariff should be quoted while accounting for the cost of grid- connectivity and net metering application/security deposit etc. All costs associated with Net- metering will have to be borne by the successful bidder.
- iii. The rooftop owner will purchase entire generated solar power from the RESCO developer at the discovered tariff & surplus energy will be exported to the grid for adjustment in the monthly bill as per the Net-metering mechanism.
- iv. The fixed tariff quoted is on lump sum turnkey basis and the bidder is responsible for the

total Scope of work described at Clause 6.1 above. Fixed tariff shall remain firm and fixed and shall be binding on the Successful Bidder till completion of work for payment of amount irrespective of his actual cost of execution of the project. No escalation will be granted on any reason whatsoever.

- v. The bidder shall not be entitled to claim any additional charges, even though it may be necessary to extend the completion period for any reasons whatsoever.
- vi. Fixed tariff shall be inclusive of all duties and taxes, insurance etc. The prices quoted by the firm shall be complete in all respect and no price variation /adjustment shall be payable by CREDA.
- vii. The Operation & Maintenance of Solar Photovoltaic Power Plant would include wear, tear, overhauling, machine breakdown, insurance, and replacement of defective modules, invertors / Power Conditioning Unit (PCU), spares, consumables & other parts for a period of 25 years.
- viii. During O&M period and project life span period Rooftop owner will provide support to the developer for the requirement of electricity & water services for maintenance of the plant.

1. EMD shall be furnished along with the response to RfS as per Clause of Bid Information. The EMD and the Tender Document Fee shall have to be deposited as mentioned in the RfS 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).

2.10 PBG amount shall be furnished by successful bidder after issuance of LoA by CREDA.

2.11 The Modules and Cells should be manufactured in India and should be complied with the prevailing Approved List of Models and Manufacturers of Solar Photovoltaic Modules as per the MNRE latest guideline and subsequent amendments and clarifications issued until the bid submission deadline, shall be applicable for this RfS. The modules used in the Project under this RfS should have been included in the above guideline, valid as on the date of invoicing of such modules. Rest of the components can be procured from any source. However, these items should meet the technical specification and standards mentioned in RFS. A reference bidders.

Declaration format associated with Implementation of ALMM (Annexure E) order will also be required to be signed by the bidder as per the format provided vide MNRE OM No. 283/41/2024 -GRID SOLAR - Dated 08.07.2024.

GENERAL

2.12 The complete RfS Documents are available at CREDA website www.creda.co.in. Interested bidders shall download the RfS Documents from the portal <https://www.creda.co.in> as per the provisions available therein.

2.13 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 22.09.2025** Bids submitted after scheduled time and date shall not be considered.

2.2 Interested bidders have to necessarily register themselves on the portal <https://eproc.cgstate.gov.in> and to participate in the bidding under this invitation for bids. It shall be the sole responsibility of the interested bidders to get them registered at the aforesaid portal for which they are required to contact <https://www.creda.co.in> to complete the registration formalities. All required documents and formalities for registering on CREDA web site are mentioned in the subsequent RfS documents.

Additionally, the bidders shall also have to submit all the documents, in hard copy, as required in this bid as per the checklist on page 05 on **22-09-2025 by 05:00 P.M** at Head Office, CREDA. 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.
- Envelope C –Technical Qualification Documents.

Note: The envelopes mentioned above is only for hard copy submission and not to be confused with the envelope mentioned in checklist on Page no. 5. The documents submitted in hard copy (offline) to CREDA Head Office 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.

- 2.2 Bidders should submit their bid proposal online complete in all aspect on or before last date and time of Bid Submission, 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 Checklist on page no. 05 in this bid.
- 2.3 Prospective Bidders interested to participate in the bidding process are required to submit their Project proposals in response to this RfS document along with a non-refundable Tender Fees, complete in all respect as per the Bid. Techno-Commercial bids will be opened as per the Bid Information Sheet. Bid proposals received without the prescribed Document Fees and Earnest Money Deposit (EMD) will be rejected.
- 2.4 In case the Bidder chooses to submit the amounts pertaining to cost of RFS document through NEFT/RTGS (electronic transfer), the Bidder shall submit the transaction receipt instead of the corresponding DDs, as part of the offline bid submission. The bids submitted without cost of RFS document, may be liable for rejection by CREDA. In the event of any dates indicated is a declared Holiday, the next working day shall become operative for the respective purpose mentioned herein. Bank details of CREDA.

Name of A/c	CREDA
Bank & Branch Name	ICICI Bank, Panchpedi Naka, Raipur
Bank Account Number	134601000400
Branch IFSC Code	ICIC0001346

- 2.5 RfS documents which include Eligibility Criteria, Technical Specifications, various Conditions of Contract, Formats etc. can be downloaded from <https://www.creda.co.in>. It is mandatory to download official copy of RfS Document from CREDA The Bidder should regularly check for any Amendment(s)/Corrigendum(s)/Clarification(s) on the above-mentioned website.
- 2.6 The detailed Qualifying Requirements (QR) are given in Section-IV of RfS.
- 2.7 CREDA reserves the right to cancel/withdraw this invitation for bids without assigning any reason and shall bear no liability whatsoever consequent upon such a decision.

PART - III

INSTRUCTIONS TO BIDDERS (ITB)

3.1 INTRODUCTION

To achieve energy security and for having good optics, it is envisaged to develop solar rooftop projects on large scale by utilizing vacant roofs of Govt. & Semi-Govt. buildings in C.G. Chhattisgarh State Renewable Energy Development Agency (CREDA) under the energy department of Government of Chhattisgarh State desires to implement grid connected rooftop solar PV projects on the roofs of Government buildings/ offices as a part of its Renewable Energy Initiatives.

The scheme aims to reduce the fossil fuel-based electricity and to reduce the carbon footprint. This scheme with aggregate capacity of 1.3MWp {2X650kWp(DC)/2X500kW(AC)} at Late Shri Lakhi Ram Agrawal Memorial Medical College Building & Late Shri Lakhi Ram Agrawal Memorial Hospital Building, Raigarh Chhattisgarh State envisages installation of grid-connected roof top solar PV projects.

NET METERING: - means the metered prosumers of a Licensee who intends to/ has set up a grid connected rooftop solar PV system in the consumer premises, which can be self-owned or third party owned wherein the energy imported from the grid and the energy exported to the grid interactive rooftop solar PV system are netted. As notified under prevailing CSERC guideline for net metering.

Energy Accounting and Settlement

A third-party RESCO installs and owns the Solar Rooftop system on a customer's property. Under Net-metering arrangement, the system is connected to the electrical grid, and a bidirectional meter measures both the electricity consumed from the grid and the excess electricity generated by the Solar Rooftop system. When the system produces more electricity than the customer uses, the surplus is fed back into the grid, and customers are billed based on the net electricity consumed.

The RESCO developer will enter into Power Purchase Agreement (PPA) with Rooftop Owner, valid for 25 (Twenty-Five) years for supply of electricity generated from the RTS Project determining the terms of payment and the rate at which the customer purchases electricity from the RESCO. This arrangement enables customers to benefit from renewable energy without the upfront costs, while RESCOs can invest in and maintain the systems, fostering wider adoption of sustainable energy practices.

The energy accounting and settlement procedure for the Rooftop Owner / RESCO developer operating rooftop solar PV system under Net-metering arrangement shall be as per the following procedure:

- (i) The Rooftop Owner has to purchase entire solar power generated from the Rooftop Solar PV system from the RESCO developer at the discovered tariff. However, no solar power will be purchased by Rooftop owner for deemed generation during grid failure or power outage due to anti-islanding protection feature of grid tied inverter.
- (ii) The RESCO developer shall be raise monthly invoice against the sold unit to respective Roof Top Owner (i.e. Late Shri Lakhi Ram Agrawal Memorial Medical College Building &

Late Shri Lakhi Ram Agrawal Memorial Hospital Building, Raigarh,). However, the RESCO may raise monthly bill to the organization against the sold unit for commissioned projects.

- (iii) The Roof Top Owner (i.e. Late Shri Lakhi Ram Agrawal Memorial Medical College Building & Late Shri Lakhi Ram Agrawal Memorial Hospital Building, Raigarh) shall make payment towards raised invoice by RESCO company on monthly basis. However, the submitted invoice may have vetted by respective Zonal office of CREDA.
- (iv) The Discom shall adjust the quantity of surplus injected electricity by the rooftop solar PV system in the monthly bill of the rooftop owner at the same tariff as electricity imported from the grid, as provisioned in the Net Metering facility, as per CSERC Regulation and subsequent amendment.
- (v) The applicable per unit charges of electricity for the PSA shall be the rate discovered by the CREDA for RESCO arrangement should be inclusive of 3% administrative overhead for the CREDA for its role as an aggregator, exclusive of taxes.

Building to be covered in this tender:

(i)	Government Building	Late Shri Lakhi Ram Agrawal Memorial Medical College Building & Late Shri Lakhi Ram Agrawal Memorial Hospital Building, Raigarh, Chhattisgarh.
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3.2 BID DETAILS

A Bidder may submit Bids for developing the Project(s) under solar PV technology as per the criteria below:

- i. Individual project capacity to be developed as per the contract demand of individual connection and adequate available shadow free rooftop space at the premises.
- ii. The bidding process under this rooftop scheme is for 1.3MWp {2X650kWp(DC)/2X500kW(AC)} capacity under RESCO Model on Net-metering basis. Bidder shall submit bids for entire package capacity individually.
- iii. The bidder has to quote single (only one) bidding price/tariff.
- iv. Capacity allocation is subjected to final survey and capacity assessment of buildings;

3.2.1 BID DETAILS

Bidder must meet the eligibility criteria independently as Bidding Company. Bidder will be declared as a Qualified Bidder based on meeting the eligibility criteria and as demonstrated based on documentary evidence submitted by the Bidder in the Bid.

NB: If the bidder's submitted information is found to be false declaration or misrepresentation, the bidder(s) shall be out rightly rejected or debarred or blacklisted from CREDA's future tenders

3.3 SPECIAL INSTRUCTIONS TO BIDDERS FOR E-TENDERING

3.3.1 OBTAINING RfS DOCUMENTS

The RfS document can be downloaded from the website of CREDA <https://www.creda.co.in>

Note: Interested bidders have to download the official copy of RfS & other documents after login into the Visit <https://eproc.cgstate.gov.in> website by using the Login ID & Password provided by Chips during registration. The bidder shall be eligible to submit/ upload the bid document only after having the official login ID and password.

3.3.2 Tender FEES (NON-REFUNDABLE)

Prospective Bidders interested to participate in the bidding process are required to submit their Project proposals in response to this RfS document along with Tender Fee. Tender fee INR 29,500/- inclusive of GST, the tender Fee is to be furnished through Demand Draft (DD) drawn in favour of “CREDA, Raipur” payable at Raipur. A bidder will be eligible to participate in the bidding process only on submission of entire financial amounts as per the Bid. In case the Bidder chooses to submit the amounts pertaining to Tender Fee through NEFT/RTGS (electronic transfer), the Bidder shall submit the transaction receipt instead of the corresponding DD, as part of the offline bid submission.

The bank details of CREDA have been mentioned below. Bids submitted without Tender Fee, may be liable for rejection by CREDA.

Name of A/c	CREDA
Bank & Branch Name	ICICI Bank, Panchpedi Naka, Raipur
Bank Account Number	134601000400
Branch IFSC Code	ICIC0001346

3.3.3 Earnest Money Deposit (EMD)

- I. 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 RfS No. 174240/CREDA/GCSRT/RESCO/SLAGMC/2025-26 Date: 22.08.2025.
- II. **Tender Document Fee and EMD submitted in any other form e.g. Cash/Bank Guarantee/FDR/TDR etc. shall not be accepted.**
- III. **Forfeiture of EMD:**
Earnest Money Deposit of Rs Ten Lakh submitted in the form of Demand Draft/Pay Order or RTGS/NEFT as mentioned in the NIT vide no. 7151/CREDA/GCSRT /RESCO/SLAGMC/2025-26 Date: 21.08.2025, EMD submitted in any other form e.g. **Cash/Bank Guarantee/FDR /TDR etc. shall not be accepted.**
b. The EMD shall be released to the bidder only after the expiry of tender.

The EMD shall be forfeit by CREDA without any notice, demure, or any other legal process upon occurrence of any of the following cases:

- a. If the bidder withdraws or varies the bid after due date and time of bid submission and during the validity of bid;
- b. If after issuance of LoA, it is found that the documents furnished by the bidders as part of response to RfS are misleading or misrepresented in any way;

- c. If the bidder fails to furnish required Performance Bank Guarantee in accordance with the RfS.
- IV. The EMDs of all Bidders, who's Bids are declared non-responsive, shall be returned and released by CREDA within thirty (30) days after the date on which the Financial Bids are opened.
- V. The EMDs of all unsuccessful Bidders shall be returned and released by the CREDA within a period of thirty (30) days of the occurrence of the earlier of the following:
- a) Submission of the Performance Bank Guarantee as per Clause 3.3.4 of the RfS and the execution of the RfS Documents (as applicable) by the Successful Bidder(s); or
 - b) Expiry of the Bid Validity/extended validity of Bid of unsuccessful Bidders.
- VI. The EMDs of all Bidders shall be returned and released by CREDA within a period of thirty (30) days of the occurrence of the termination/cancellation of Bid process by CREDA.
- VII. The EMD of the Successful Bidder(s) shall be returned on the submission of Performance Bank Guarantee as per Clause 4 of the RfS.

3.3.4 PERFORMANCE BANK GUARANTEE (PBG)

3.3.4.1 Bidder selected by CREDA based on this RfS shall submit Performance Guarantee of Rs. 10 Lakhs Within 30 days from the date of issue of Letter of Award or before the signing of the agreement with CREDA, whichever is earlier,

The Performance Guarantee shall be initially valid for a period of sixty (60) months after signing of agreement with CREDA. It may be noted that successful bidders shall submit the Performance Guarantee according to the Format 8.3 A.

Non-submission of PBG within the above-mentioned timelines shall be treated as follows:

- a) Non submission of the PBG by the Successful Bidder may lead to cancellation of the Letter of Award of such Successful Bidder(s) by CREDA, and thereafter, the provisions of Clause Forfeiture of EMD shall be applicable.
- b) Delay up to 1 month from due date of submission of PBG: Delay charges @1% of the PBG amount per month levied on per day basis shall be paid by the Bidder to CREDA in addition to the PBG amount.

Delay beyond 1 month from the due date of submission of PBG: The Project shall stand terminated.

For the purpose of calculation of the above delay charges, 'month' shall be considered as a period of 30 days.

3.3.4.2 The RESCO DEVELOPER shall furnish the PBG from any of the Scheduled Commercial Banks as listed on the website of Reserve Bank of India (RBI) and amended as on the date of issuance of bank guarantee. In case of the Project being implemented through an SPV incorporated by the successful bidder, the PBG shall be furnished in the name of the SPV, except for the case as indicated in Bid.

3.3.4.3 The format of the Bank Guarantees prescribed in the Formats 8.3 A (PBG) shall be strictly adhered to and any deviation from the above Formats shall result in rejection of the PBG and

consequently, the bid. In case of deviations in the formats of the Bank Guarantees, the corresponding agreement with CREDA shall not be signed.

- 3.3.4.4** CREDA has agreed to accept the PBG in the form of an unconditional and irrevocable Bank Guarantee instead of the cash deposit with the clear position intimated to the bidder that the PBG shall be encashable for being appropriated by CREDA in terms of the guarantee as in the case of appropriation of the cash deposit lying with CREDA.
- 3.3.4.5** The Bank Guarantees have to be executed on non-judicial stamp paper of appropriate value as per Stamp Act relevant to the place of execution.
- 3.3.4.6** All expenditure towards execution of Bank Guarantees such as stamp duty etc. shall be borne by the Bidders. Any Bank Guarantee or amendment to be submitted as part of the bidding process / contract execution, shall be effective only when the BG issuance message/email is transmitted by the issuing bank and a confirmation in this regard is received by CREDA/Govt. Building/ Institution owner.
- 3.3.4.7** Commissioning of entire capacity awarded and after taking into account any liquidated damages due to delays in commissioning as per Clause 6.14 mentioned in the RfS.
- 3.3.4.8** The return / release of the Performance Bank Guarantee shall be without prejudice to other rights of CREDA under this Agreement.

3.4 AGREEMENT

- i.** An agreement for execution of the work shall be signed by the Successful Bidder with CREDA within 30 days of communication from CREDA. In case agreement is not executed within the stipulated time, the earnest money will be forfeited. A formal agreement for a period of 01 (one) year shall be entered into between CREDA and the Successful bidder for the proper fulfilment of the work. The expenses of completing and stamping of the agreement shall be paid by the successful bidder.
- ii.** RESCO developer selected shall enter into Power Purchase Agreement (PPA) with Building/ Institute owner based on this RfS. A copy of standard Power Purchase Agreement to be executed between RESCO Developer and Govt. Building/ Institute owner will be made available on CREDA website <https://www.creda.co.in>. The PPA shall be valid for a period of 25 years as per provisions of PPA.
- iii.** Any extension of the PPA period beyond 25 years shall be through mutual agreement between the RESCO developer and Govt. Building/ Institution owner.

a) FINANCIAL CLOSURE OR PROJECT FINANCING ARRANGEMENTS

- (i)** The Project shall achieve Financial Closure within 06 (six) months from award of LoA.

At this stage, the Successful Bidder shall report 100% tie-up of Financing Arrangements for the Projects. In this regard the Successful Bidder shall submit letter from all financial agencies, indicating the tie up of funds for all projects. In case the funds have been arranged from its internal resources a Board Resolution certifying the same Audited/Certified Balance sheet, Profit & Loss Account Statement, Bank Statement and Cash Flow Statement in support of availability of Internal resources of the Project Company and of the Company other than Project Company (in case the

required funding will be raised from Company other than Project Company) shall be submitted by the bidder.

- (ii) The Successful Bidder will have to submit the required documents to CREDA at least 14 days prior to the scheduled Financial Closure date. In case of delay in submission of documents mentioned above, CREDA shall not be liable for delay in verification of documents and subsequent delay in Financial Closure.

b) COMMISSIONING

The Commissioning of capacity of projects awarded shall be carried out by the Successful Bidder in line with the procedure mentioned in RfS document. The Successful Bidder shall commission the awarded capacity within 06 Months from date of signing of agreement with CREDA.

i. COMMISSIONING SCHEDULE AND LIQUIDATED DAMAGES NOT AMOUNTING TO PENALTY FOR DELAY IN COMMISSIONING

- a. The Scheduled Commissioning Date (SCD) for commissioning of the full awarded capacity of the Project shall be the date as on 06 months from signing of agreement with CREDA.
- b. The maximum time period allowed for commissioning of the full awarded/ allocated Capacity with applicable liquidated damages, shall be limited to the date as on 6 months from the SCD or the extended SCD (if applicable).
- c. In case of delay in commissioning of total capacity of Project beyond the SCD until the date as on 18 months from award of LoA, as part of liquidated damages, the total PBG amount for the Project shall be encashed on per-day basis. For e.g., if commissioning of the capacity is delayed by 18 days beyond the SCD, then the liquidated damages shall be: PBG amount X (18/180). For the purpose of calculations for penalty, the month shall be considered consisting of 30 days.
- d. i) For Delay in commissioning upto 6 (six) months from Scheduled Commissioning Period, encashment of Performance Bank Guarantee (PBG) on per day basis and proportionate to the capacity not commissioned.
ii) For Delay in commissioning beyond six months from Scheduled Commissioning Period, Successful Bidder Event of Default, as per the RfS, shall be considered to have occurred and the contracted capacity shall stand reduced to the project capacity commissioned upto SCD + 6 (six) months. LoA for balance capacity not commissioned shall be terminated.

c) COMMERCIAL OPERATION DATE (COD)

Commercial Operation Date (COD) shall be the date on which the commissioning certificate is issued upon successful commissioning of that capacity by the building owner / institute.

d) MINIMUM PAID UP SHARE CAPITAL TO BE HELD BY PROJECT PROMOTER

- i. The Bidder shall provide complete information in their bid in reference to this RfS about the Promoters and upon issuance of LoA, the Successful Bidder shall indicate its shareholding in the company indicating the controlling shareholding after issuance of LoA and along with submission in RfS.
- ii. Following shall not be considered as change in shareholding as mentioned above:

1. Infusion of Fresh equity capital amongst the existing shareholders/promoters at the time of Bid Submission to meet equity requirements.
2. Conversion of CCDs, CCPs etc. already issued to existing shareholders.
3. Death, marriage, Divorce, minor attaining major (any legal heir who was minor at the time of signing of agreement with CREDA), insolvent, insane of existing shareholders.
4. Transfer of shares within the members of Promoter Group.
5. Transfer of shares to IEPF.
6. Issue of Bonus Shares.

- iii. **In case of Project being executed through SPVs:** The successful Bidder, if being a single company, shall ensure that its shareholding in the SPV/ Project Company executing the Agreement with CREDA, shall not fall below 51% at any time prior to 02 (Two) year from the Commissioning of entire capacity, except with the prior approval of CREDA. However, in case the Project is being set up by a listed Company, this condition will not be applicable.
- iv. **In case of the successful Bidder itself executing the capacity,** it shall ensure that its promoters shall not cede control (Control shall mean the ownership, directly or indirectly, of more than 50% of the voting shares of such Company or right to appoint majority Directors), till 01 (one) year from the capacity commissioned, except with the prior approval of CREDA. However, in case the Project is being set up by a listed Company, this condition will not be applicable.
- v. In case of companies having multiple promoters (but none of the shareholders having more than 50% of voting rights and paid-up share capital), it shall be considered as a company under joint control. In such cases, the shareholding pattern in the company as submitted at the time of bidding, shall be maintained for a period of 01 (one) year after Commissioning of capacity.
- vi. Any change in the shareholding after the expiry of 01 year from Commissioning of capacity can be undertaken under intimation to CREDA.

e) STRUCTURING OF THE BID SELECTION PROCESS

- i. This is Single stage; Double Envelope bidding process under this RfS. Bidders have to submit both Techno-Commercial Bid and Financial Bid (Tariff) together in response to this RfS online. The preparation of bid proposal has to be in the manner described in the RfS.

f) INSTRUCTIONS TO BIDDERS FOR STRUCTURING OF BID PROPOSALS IN RESPONSE TO RfS

The bidder including its Parent, Affiliate or Ultimate Parent or any Group Company shall submit single response to RfS.

Submission of bid proposals by Bidders in response to RfS shall be in the manner described below:

- i. Covering Letter as per **Format 8.1**
- ii. Submission of Earnest Money Deposit (EMD) Bank Guarantee as per **Format 8.3 A**
- iii. Board Resolutions, as per prescribed formats enclosed as per **Format 8.4** duly certified by the Company Secretary or the Director of the relevant Bidder, as applicable to the Bidder and

mentioned hereunder:

- a. Board Resolution from the Bidding Company, as the case may be, in favour of the person signing the response to RfS and in the event of selection of the Projects and to sign the agreement with CREDA.
- b. Board Resolution from the Bidding Company committing 100% (One Hundred Percent) of the equity requirement for the Project; and
- v. Format for Financial Requirements as per **Format 8.5** along with the certificate from practicing Chartered Accountant/ Statutory Auditors showing details of computation of the financial credentials of the Bidder.
- vi. A disclosure statement as per **Format 8.6** regarding participation of any related companies in the bidding process.
- vii. **Attachments**
 - i. Memorandum of Association, Article of Association needs to be attached along with the bid. The bidder should also highlight the relevant provision which highlights the objects relating to Power/ Energy/ Renewable Energy/ Solar Power plant development.
 - A. In case, there is no mention of the above provisions in the MoA/ AoA of the bidding company, the same has to be amended and submitted prior to signing of Agreement, if the bidder is selected as Successful bidder.
 - B. If the selected bidder wishes to execute the project through a Special Purpose Vehicle (SPV), the MoA/ AoA of the SPV highlighting the relevant provision which highlights the objects relating to Power/ Energy/ Renewable Energy/ Solar Power plant development has to be submitted prior to signing of agreement with CREDA.
 - ii. Certificate of Incorporation of Bidding Company.
 - iii. A certificate of shareholding of the bidding company, its parent and Ultimate Parent (if any) duly certified by a practicing Chartered Accountant/ Company Secretary as on a date within 30 days prior to the last date of bid submission, along with documents containing information about the promoters, and their shareholding in the Company (as on a date within 30 days prior to the last date of bid submission) indicating the controlling shareholding at the stage of submission of response to RfS to CREDA as per Instructions to Bidders (ITB) of RfS. CREDA reserves the right to seek additional information relating to shareholding in promoter companies, their parents/ ultimate parents and other group companies to satisfy themselves that RfS conditions have been complied with and the bidder will ensure submission of the same within the required time lines.
 - iv. Certified copies of annual audited accounts for the last financial year, i.e. FY 2023-24/2024-25, and provisional audited accounts, along with certified copies of Balance Sheet, Profit & Loss Account, Schedules and Cash Flow Statement supported with bank statements as on the date at least 7 days prior to the due date of bid submission (if applicable), shall be required to be submitted

- v. Details of all types of securities/instruments which are pending conversion into equity whether optionally or mandatorily.

g) IMPORTANT NOTES AND INSTRUCTIONS TO BIDDERS

- i. Wherever information has been sought in specified formats, the Bidders shall fill in the details as per the prescribed formats and shall refrain from any deviations and referring to any other document for providing any information required in the prescribed format.
- ii. The Bidders shall be shortlisted based on the declarations made by them in relevant schedules of RfS. The documents submitted online will be verified before signing of agreement in terms of Instructions to Bidders, ITB of RfS.
- iii. If the Bidder conceals any material information or makes a wrong statement or misrepresents facts or makes a misleading statement in its response to RfS, in any manner whatsoever, CREDA reserves the right to reject such response to RfS and/ or cancel the Letter of Award, if issued, and the Bank Guarantee provided up to that stage shall be encashed. Bidder shall be solely responsible for disqualification based on their declaration in the submission of response to RfS.
- iv. If the event specified at iii is discovered after the Effective Date of agreement, consequences specified in agreement shall apply.
- v. Response submitted by the Bidder shall become the property of the CREDA and CREDA shall have no obligation to return the same to the Bidder.
- vi. All documents of the response to RfS (including RfS and subsequent Amendments/ Clarifications/ Addenda, draft PPA and Agreement to be signed with CREDA) submitted online must be digitally signed by the person authorized by the Board as per Format 8.4.
- vii. The response to RfS shall be submitted as mentioned in Instructions to Bidders (ITB) of RfS. No change or supplemental information to a response to RfS will be accepted after the scheduled date and time of submission of response to RfS. However, CREDA reserves the right to seek additional information from the Bidders, if found necessary, during the course of evaluation of the response to RfS.
- viii. All the information should be submitted in English language only. In case of foreign bidders having documents in other than English language, then the documents shall be translated in English language by certified translator and submitted.
- ix. Bidders shall mention the name of the contact person and complete address and contact details of the Bidder in the covering letter.
- x. Response to RfS that are incomplete, which do not substantially meet the requirements prescribed in this RfS, will be liable for rejection by CREDA.
- xi. Response to RfS not submitted in the specified formats will be liable for rejection by CREDA.
- xii. Bidders delaying in submission of additional information or clarifications sought will be liable for rejection.

- xiii.** Non-submission and/ or submission of incomplete data/ information required under the provisions of RfS shall not be construed as waiver on the part of CREDA of the obligation of the Bidder to furnish the said data/ information unless the waiver is in writing.
- xiv.** All the financial transactions to be made with CREDA including but not limited to submission of Bank Guarantees, delay charges and any additional charges (if required), shall attract additional amount of 18% GST on each transaction, unless specified otherwise.

h) NON-RESPONSIVE BID

The electronic response to RfS submitted by the bidder along with the documents submitted online to CREDA shall be scrutinized to establish “Responsiveness of the bid”. Each bidder’s response to RfS shall be checked for compliance with the submission requirements set forth in this RfS.

Any of the following conditions shall cause the Bid to be “Non-responsive”: -

- (a) Non-submission of Tender Fee as mentioned in the Bid Information Sheet;
- (b) Non-submission of Earnest Money Deposit (EMD) of requisite value or of requisite validity or on prescribed **format 8.3 A** along with RfS document.
- (c) Response to RfS not received by the due date and time of bid submission;
- (d) Non-submission of correct, valid and operative Technical and Financial Bid (Price Bid) Parts after the deadline of Bid Submission, and before the commencement of the Online Tender Opening Event (TOE) of Technical Bid.
- (e) Non-submission of the original documents mentioned in Instructions to Bidders (ITB) of RfS by due date and time of bid submission;
- (f) Any indication of tariff in any part of response to the RfS, other than in the financial bid;
- (g) Data filled in the Electronic Form of Financial Bid (Second Envelope), not in line with the instructions mentioned in the same electronic form.
- (h) In case it is found that the Bidding Company including Ultimate Parent Company/ Parent Company/ Affiliate/ Group Companies have submitted more than one response to this RfS, then all these bids submitted shall be treated as non-responsive and rejected.

i) METHOD OF SUBMISSION OF RESPONSE TO RfS BY THE BIDDER

3.i.a DOCUMENTS TO BE SUBMITTED OFFLINE (IN ORIGINAL)

The bidder has to submit the documents in original as part of Response to RfS to the address mentioned in Bid Information Sheet before the due date and time of bid submission.

Bidding Envelope: Super scribed as “**Bidding Envelope containing i) Covering Envelope**, at the top of the Envelope and “**Name & Address of the Bidder**” on the left hand side bottom must contain the following:

- I. Covering Envelope:** Super scribed as “**Covering Envelope**” must contain the following
 - Tender Fee in the form DD/ Pay Order as mentioned in the Bid Information Sheet or if transferred through RTGS, UTR no. and details to be submitted.
 - Earnest Money Deposit (as per Format 8.3A)..
 - Covering Letter as per Format-8.1
 - Power of Attorney as per Format 8.2 (if applicable),
 - Board Resolution as per Format 8.4

- Copy of GSTN along with respective registered address of the Bidder on the letterhead of the Bidder (signed by the Authorized signatory)
- Non-Blacklisting Declaration on Non-Judicial Stamp of appropriate value duly notarized.

The bidding envelope shall contain the following sticker

Response to Rfs for Implementation of Grid Connected Rooftop Solar Power at Late Shri Lakhi Ram Agrawal Memorial Medical College Building & Late Shri Lakhi Ram Agrawal Memorial Hospital Building, Raigarh, Chhattisgarh State under RESCO Model on Net-Metering Basis.	
Cumulative Capacity of the projects	<u>1.3MWp {2X650kWp(DC)/2X500kW(AC)} kW</u>
Rfs Reference No.	-----
Submitted by	(Enter Full name and address of the Bidder)
Authorized Signatory	(Signature of the Authorized Signatory) (Name of the Authorized Signatory) (Stamp of the Bidder)
Bid Submitted to	Executive Engineer, Tender Cell, H.O. CREDA, Raipur - 492015 (C.G.) Phone (No.): 91-8370009923 E-mail : credatendercell@gmail.com Website: www.creda.co.in

3.i.b DOCUMENTS TO BE SUBMITTED ONLINE

- 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 Checklist on page no.05 in this bid.
- 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.
- Bidders are also advised to make them 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.
- Additionally, the bidders shall also have to submit all the documents, in hard copy, as required in this bid as per the checklist on page 05 on **22.09.2025 by 05:00 P.M.** at Head Office, CREDA. 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.
 - Envelope C –Technical Qualification Documents.

Note: The envelopes mentioned above is only for hard copy submission and not to be confused with the envelope mentioned in checklist on Page no. 5. The documents submitted in hard copy (offline) to CREDA Head Office 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.

e) VALIDITY OF THE RESPONSE TO RfS

The Bidder shall submit the response to RfS which shall remain valid up to 180 (One Hundred Eighty) days from the last date of submission of response to RfS (“Bid Validity”). CREDA reserves the right to reject any response to RfS which does not meet the aforementioned validity requirement.

f) BID PREPARATION COST

The Bidder shall be responsible for all the costs associated with the preparation of the response to RfS and participation in discussions and attending pre-bid meeting(s) etc. CREDA shall not be responsible in any way for such costs, regardless of the conduct or outcome of the bid process.

g) CLARIFICATIONS/ PRE-BID MEETING/ ENQUIRIES/ AMENDMENTS

- a. All suggestions, doubts, confusion, request, queries etc., shall have to be presented to CREDA in writing or through email at credatendercell@gmail.com on or before 05:00 PM 01.09.2025. 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 tender that can be raised at that stage. Any amendments in the bid documents which may become necessary as a result of pre-bid queries 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>.
- c. The bidder should address the letter to :- Executive Engineer,
Tender Cell, H.O. CREDA,
Raipur - 492015 (C.G.)
E-mail :credatendercell@gmail.com
Website: www.creda.co.in
- d. CREDA reserves the right to interpret the Bid submitted by the Bidder in accordance with the provisions of this RfS and make its own judgment regarding the interpretation of the same. In this regard CREDA shall have no liability towards any Bidder and no Bidder shall have any recourse to CREDA with respect to the selection process. CREDA shall evaluate the Bids using the evaluation process specified in Bid, at its sole discretion. CREDA’s decision in this regard shall be final and binding on the Bidders.
- e. **RIGHT OF CREDA TO REJECT A BID**
CREDA reserves the right to reject any or all of the responses to RfS or cancel the RfS or annul the bidding process for any project at any stage without assigning any reasons whatsoever and without thereby any liability.
- f. **POST AWARD COMPLIANCES**
Timely completion of all the milestones i.e. signing of Agreement with CREDA, Commissioning etc. will be the sole responsibility of Successful Bidder. CREDA shall not be liable for issuing any intimations/reminders to RESCO Developer for timely completion of milestones and/or submission of compliance documents.

PART - IV

**QUALIFYING
REQUIREMENTS FOR
BIDDERS**

4.1 ELIGIBILITY CRITERIA

The Bidder should be a body incorporated in India under the Companies Act, 1956 or 2013 including any amendment thereto, Government owned Enterprises who are registered and incorporated in India and engaged in the business of Power/ Infrastructure, Limited Liability Partnership Firms registered as per LLP Act 2008, barring any State/ Central Government Department as well as those firms against whom sanction for conducting business is imposed by Government of India or by any State Govt. and barring those firms with whom business is banned by the Employer.

A copy of certificate of incorporation shall be furnished along with the bid in support of above.

4.1.1 TECHNICAL ELIGIBILITY CRITERIA:

The Bidder must have experience in Design, Supply, Installation & Commissioning of Grid Connected Solar PV Power Plants of cumulative Capacity of not less than 2000 kW and have atleast commissioned one grid connected Solar Power Plant capacity of Minimum 500kw in the last 05 (Five) Financial Years **and till 31.03.2025**. The Grid Connected SPV Power Plants under RESCO Mode must be commissioned and should be satisfactory operational. (Copy of certificate of successful commissioned & operational plant from the concerned organization to be mandatorily enclosed)

4.1.2 FINANCIAL ELIGIBILITY CRITERIA:

4.1.2.1 NET WORTH

- a. The Net Worth of the Bidder should be equal to or greater than INR 1 Crore, as on the last date of previous Financial Year, i.e. FY 2023-24, or if available, FY 2024-25.
- b. The Minimum Average Annual Turnover (MAAT) of the bidder during last three financial years i.e. 2021-22, 2022-23 and 2023-24 or 2024-25 should not be less than Rs.10.00Cr.
- c. The net worth to be considered for the above purpose will be the cumulative net-worth of the Bidding Company to contribute the required equity funding and performance bank guarantees in case the Bidder(s) fail to do so in accordance with the RfS.
- d. Net Worth to be considered for this clause shall be the total Net Worth as calculated in accordance with the Companies Act, 2013 and any further amendments thereto.

4.1.2.2 The Bidder may seek qualification on the basis of financial capability of its Affiliate(s) for the purpose of meeting the qualification requirements as per 4.1.2.1 above. undertaking to contribute the required equity funding and Performance Bank Guarantees in case the Bidder(s) fail to do so in accordance with the RfS. In case of non-availability of the Board Resolution as required above, a letter from the CEO/ Managing Director of the respective Affiliate(s), undertaking the above, shall be required to be submitted and the requisite Board Resolution from the Affiliate(s) shall be required to be submitted prior to signing of PPA.

4.1.2.3 For the purposes of meeting financial requirements, only latest unconsolidated audited annual accounts shall be used. However, audited consolidated annual accounts of the Bidder may be used for the purpose of financial requirements

provided the Bidder has at least twenty six percent (26%) equity in each Company whose accounts are merged in the audited consolidated account.

- 4.1.2.4** A Company would be required to submit annual audited accounts as on the last date of previous Financial Year, i.e. FY 2023-24, or as on the day at least 7 days prior to the bid submission deadline, along with net worth annual turnover and PBDIT certificate (as applicable) from a practicing Chartered Accountant/ Statutory Auditor to demonstrate fulfillment of the criteria. In case of foreign companies, the Bidders shall be required to submit the annual audited accounts for the last respective financial year as per the general norm in the country where the Bidder or its Affiliate(s) is/ are located. Note: In case of foreign Bidders, in the event the Bidder is unable to furnish the audited annual accounts for the previous financial year as per the prevalent norm in the respective country, the Bidder shall submit the annual audited accounts of the last financial year for which the audited accounts are available. This, however, would be acceptable, subject to the condition that the last date of response to this RfS falls on or within the deadline for completion of audit of annual accounts of companies, as stipulated by the laws/rules of the respective country, and the Bidder shall submit the corresponding documentary evidence against the same. In case the annual accounts are submitted in a language other than English, a certified English translation from an approved translator shall be required to be submitted by the Bidder.
- 4.1.2.5** For meeting the above financial eligibility criteria, if the data is provided by the Bidder in a foreign currency, equivalent Indian Rupees of Net Worth and other financial parameters will be calculated by the Bidder using Reserve Bank of India's reference rates prevailing on the date of closing of the accounts for the respective financial year.
- 4.1.2.6** In case of any currency for which RBI reference rate is not available, Bidders shall convert such currency into USD as per the exchange rates certified by their banker prevailing on the relevant date and used for such conversion. After such conversion, Bidder shall follow the procedure/ submit document as elaborated in Clause 4.1.2.4 above.

PART - V

BID EVALUATION AND SELECTION OF DEVELOPER

5.1 BID EVALUATION

Bid evaluation will be carried out considering the information furnished by Bidders as per provisions specified in Instructions to Bidders (ITB) of this RfS. The detailed evaluation procedure and selection of bidders are described in subsequent clauses in this Section.

The evaluation process comprises the following Three steps:

- Step I – First Envelope (Technical Bid) Evaluation
- Step II – Second Envelope (Financial Bid) Evaluation
- Step III – Successful Bidder(s) selection

A. STEP I - FIRST ENVELOPE (TECHNICAL BID) EVALUATION

The first envelope (Technical Bid submitted online) of only those bidders will be opened by CREDA whose required documents as mentioned at Clause No. 3.13, Instructions to Bidders (ITB) of this RfS are received at the office of CREDA on or before the due date and time of bid submission.

a.1 Documents (as mentioned in the previous clause) received after the bid submission deadline specified in the Bid Information Sheet shall be rejected and returned unopened, if super-scribed properly with address, to the bidder.

a.2 Subject to Clause No. 3.12, Instructions to Bidders (ITB) of this RfS, CREDA will examine all the documents submitted by the Bidders and ascertain meeting of eligibility conditions prescribed in the RfS. During the examination of the bids, CREDA may seek clarifications/ additional documents to the documents submitted etc. from the Bidders if required to satisfy themselves for meeting the eligibility conditions by the Bidders. Bidders shall be required to respond to any clarifications/ additional documents sought by CREDA within 05 (Five) days from the date of such intimation from CREDA. All correspondence in this regard shall be made through email only. It shall be the responsibility of the Bidder to ensure that the email id of the authorized signatory of the Bidder is functional. The Bidder may provide an additional email id of the authorized signatory in the covering letter. No reminders in this case shall be sent. It shall be the sole responsibility of the Bidders to remove all the discrepancies and furnish additional documents as requested. CREDA shall not be responsible for rejection of any bid on account of the above.

a.3 The Bid submitted by the Bidder shall be scrutinized to establish “Responsiveness”. Each Bidder’s Bid shall be checked for compliance with the submission requirements set forth in this RfS.

Any of the following conditions shall cause the Bid to be “non-responsive”:

- i. Bid not uploaded at Chips website <https://eproc.cgstate.gov.in> complete with all documents.
- ii. Bids that are incomplete, i.e. not uploaded any of the applicable formats inter alia covering letter, power of attorney supported by a board resolution, applicable board resolutions, format for disclosure, valid EMD.

- iii. Bid not received by the due date and time
- iv. Bid having Conflict of Interest
- v. Bid being conditional in nature
- vi. Bidder submitting or participating in more than one Bid as a Bidding Company.
- vii. Bidder delaying in submission of additional information or clarifications sought by CREDA as applicable;
- viii. Non submission of Cost of Document, Processing fee and EMD in acceptable form along with RfS document;

B. STEP II - SECOND ENVELOPE (FINANCIAL BID) EVALUATION

In this step evaluations of Techno-Commercially Qualified Bids shall be done based on the “Tariff” quoted by the bidders in the Electronic Form of Financial Bid.

- a.1 The Bidder including its Parent, Affiliate or Ultimate Parent or any Group Company will have to submit a single bid (single application) quoting a single tariff per kWh. The tariff has to be quoted up to two places of decimal only. If it is quoted with more than two digits after decimal, it shall be ignored after first two decimal places. (For e.g. if the quoted tariff is INR 2.337, then it shall be considered as INR 2.33).
- a.2 On completion of Techno-commercial bid evaluation, if it is found that only one bidder is eligible, opening of the financial bid of the bidder will be at the discretion of CREDA. Thereafter, CREDA will take appropriate action as deemed fit.
- a.3 The bidder who has quoted lowest Tariff shall be declared as L1 bidder. The bids shall be arranged starting from L1 (bidder who has quoted lowest Tariff), L2 (bidder who has quoted second lowest tariff), L3...nth bidder.
- a.4 Ranking of bidders after Financial Bid Evaluation: Following illustrates an example of ranking of bidders after financial bid opening and evaluation

BIDDER	SUBMITTED FINANCIAL BID	RANKING
B8	RS. 2.30 (TARIFF IN RS./ KWH)	L1
B5	RS. 2.70 (TARIFF IN RS./ KWH)	L2
B1	RS. 2.80 (TARIFF IN RS./ KWH)	L3
B4	RS. 2.80 (TARIFF IN RS./ KWH)	L3
B2	RS. 3.00 (TARIFF IN RS./ KWH)	L4
B3	RS. 3.30 (TARIFF IN RS./ KWH)	L5
B7	RS. 3.50 (TARIFF IN RS./ KWH)	L6
B6	RS. 3.60 (TARIFF IN RS./ KWH)	L7

B10	RS. 3.90 (TARIFF IN RS./ KWH)	L8
B9	RS. 4.00 (TARIFF IN RS./ KWH)	L9
B11	RS. 4.00 (TARIFF IN RS./ KWH)	L9

C. STEP III - Successful Bidder(s) selection

1. The bidders shall be selected in the ascending order with lowest quoted tariff (being L1) for the particular project.
2. In case of tie, among two or more bidders then Ranking will be done based on draw of lots.
3. At the end of selection process, Letter of Award (LOA) will be issued to the Successful Bidders.
4. In all cases, CREDA's decision regarding selection of bidder based on tariff or annulment of tender process shall be final and binding on all participating bidders.

PART - VI
GENERAL
CONDITIONS
OF CONTRACT
(GCC)

“CREDA” shall mean CREDA or his representative and shall also include its successors in interest and assignees. The “RESCO Developer” shall mean (successful bidder) i.e. the Eligible Bidder(s) who quoted the L1 Tariff for bid pursuant to this RFS for implementation of Projects as per the terms and condition of the RFS Documents.

That on the request of the bidder and also in the interest of the organization the “CREDA” is authorized to extend the validity of the agreement, subject to that the request of the bidder is received before the expiry of the agreement period, or any extended period granted to the bidder.

6.1 SCOPE OF WORK

6.1.1 The Scope of work for the bidder include Survey and feasibility of installation in identified buildings, Obtaining No Objection Certificate (NOC) from Distribution Company (DISCOM) for grid connectivity, execution of allocated capacity, complete design, engineering, manufacture, supply, storage, civil work, erection, testing & commissioning of the grid connected rooftop solar PV project including Operation and Maintenance (O & M) of the project a period of 25 years after commissioning of the projects as per CREDA’s acceptance.

6.1.2 The Fixed Tariff of 25 years shall include all the costs related to above Scope of Work. Bidder shall quote for the entire facilities on a “single responsibility” basis such that the total Bid Price covers all the obligations mentioned in the Bidding Documents in respect of Survey, Design, Supply, Erection, Testing and Commissioning including Warranty, Operation & Maintenance (25 years for RESCO in Net- metering), goods and services including spares required if any during O&M period. The Bidder has to take all permits, approvals and licenses, Insurance etc., provide training and such other items and services required to complete the scope of work mentioned above. The fixed tariff should be quoted while accounting for the cost of grid-connectivity and net metering application/security deposit etc. All costs associated with Net-metering will have to be borne by the successful bidder.

The rooftop owner will purchase entire generated solar power from the RESCO developer at the discovered tariff & surplus energy will be exported to the grid for adjustment in the monthly bill as per the Net- metering mechanism.

The fixed tariff quoted is on lump sum turnkey basis and the bidder is responsible for the total Scope of work described at Clause 6.1 above. Fixed tariff shall remain firm and fixed and shall be binding on the Successful Bidder till completion of work for payment of amount irrespective of his actual cost of execution of the project. No escalation will be granted on any reason whatsoever. The bidder shall not be entitled to claim any additional charges, even though it may be necessary to extend the completion period for any reasons whatsoever.

Fixed tariff shall be inclusive of all duties and taxes, insurance etc. The prices quoted by the firm shall be complete in all respect and no price variation /adjustment shall be payable by CREDA.

The Operation & Maintenance of Solar Photovoltaic Power Plant would include wear, tear, overhauling, machine breakdown, insurance, and replacement of defective modules, invertors / Power Conditioning Unit (PCU), spares, consumables & other parts for a period of 25 years.

During O&M period and project life span period Rooftop owner will provide support to the developer for the requirement of electricity & water services for maintenance of the plant.

The fixed tariff shall be specified in sanction letter based on Successful Bidder's quote for each project. The fixed tariff shall be in accordance with all terms, conditions, specifications and other conditions of the Contract as accepted by the CREDA and incorporated into the sanction letter.

The Bidder shall complete the Price Bid furnished in the RfS Documents.

6.2 INSURANCE

The Bidder shall be responsible and take an Insurance Policy for transit-cum-storage-cum-erection for all the materials to cover all risks and liabilities for supply of materials on site basis, storage of materials at site, erection, testing and commissioning. The bidder shall also take appropriate insurance including watch and ward during O&M period.

The Bidder shall also take insurance for Third Party Liability covering loss of human life, engineers and workmen and also covering the risks of damage to the third party/material/equipment/properties during execution of the Contract. Before commencement of the work, the Bidder will ensure that all its employees and representatives are covered by suitable insurance against any damage, loss, injury or death arising out of the execution of the work or in carrying out the Contract. Liquidation, Death, Bankruptcy etc., shall be the responsibility of bidder.

6.3 WARRANTIES AND GUARANTEES

The Bidder shall warrant that the goods supplied under this contract are new, unused, of the most recent or latest technology and incorporate all recent improvements in design and materials. The bidder shall provide warrantee covering the rectification of any and all defects in the design of equipment, materials and workmanship including spare parts for a period of 25 years from the date of commissioning of projects. The successful bidder has to transfer all the Guarantees/ Warrantees of the different components to the Owner of the project. The responsibility of operation of Warrantee and Guarantee clauses and Claims/ Settlement of issues arising out of said clauses shall be joint responsibility of the Successful bidder and the owner of the project and CREDA will not be responsible in any way for any claims whatsoever on account of the above.

6.4 TYPE AND QUALITY OF MATERIALS AND WORKMANSHIP

The design, engineering, manufacture, supply, installation, testing and performance of the equipment shall be in accordance with latest appropriate IEC/ Indian Standards as detailed in the Part - VII (Technical specifications) of the bid document. Where appropriate Indian Standards and Codes are not available, other suitable standards and codes as approved by the MNRE shall be used.

The specifications of the components should meet the technical specifications mentioned in Bid.

Any supplies which have not been specifically mentioned in this Contract but which are

necessary for the design, engineering, manufacture, supply & performance or completeness of the project shall be provided by the Bidder without any extra cost and within the time schedule for efficient and smooth operation and maintenance of the SPV plant.

6.5 OPERATION & MAINTENANCE (O & M) GUIDELINES TO BE MANDATORILY FOLLOWED BY BIDDERS

The bidder shall be responsible for all the required activities for successful operation and maintenance of the Rooftop Solar PV system for a period of 25 years for projects from the date of commissioning of the plant. In addition, O & M practices shall be strictly followed. O&M of Solar Power Plant shall be compliant with grid requirements to achieve committed energy generation. Deputation of qualified and experienced engineer/ technicians till the O&M period at project site.

Periodic cleaning of solar modules. The modules shall be cleaned with a periodic interval of 15 days or as and when required as per actual site conditions. It's the responsibility of the bidder to get the modules cleaned during O & M Period. Roof Top Owner is responsible for such obligation of bidder so as to achieve guaranteed CUF.

Periodic checks of the Modules, PCUs and BoS shall be carried out as a part of routine preventive and breakdown maintenance.

Immediate replacement of defective Modules, Invertors/PCUs and other equipment as and when required. Supply of all spares, consumables and fixtures as required. Such stock shall be maintained for all associated equipment's and materials as per manufacturer's / supplier's recommendations.

All the testing instruments required for Testing, Commissioning and O&M for the healthy operation of the Plant shall be maintained by the Bidder. The testing equipment's must be calibrated once in a year from NABL accredited labs and the certificate of calibration must be kept for reference as required.

If negligence/ mal-operation on part of the Bidder's operator results in failure of equipment, such equipment should be repaired/ replaced by the Bidder free of cost.

Co-ordination with Owner / DISCOM as per the requirement for Joint Metering Report (JMR). The person in charge present at site from bidder's side shall take a joint meter reading in the presence of rooftop owner on a monthly basis. Furnishing generation data (JMR) each month to CREDA positively by 1st week of every month for the previous month.

Online Performance Monitoring, controlling, troubleshooting, maintaining of logs & records. A maintenance record register is to be maintained by the operator with effect from Commissioning to record the daily generation, regular maintenance work carried out as well as any preventive and breakdown maintenance along with the date of maintenance, reasons for the breakdown, duration of the breakdown, steps taken to attend the breakdown, etc.

For any issues related to operation & maintenance, a contact number shall be made available to the rooftop owner/ plant owner to resolve within 72 hours.

If any jobs covered in O&M Scope as per RFS are not carried out by the contractor/ Bidders during the O&M period, the Engineer-In-Charge shall take appropriate action as deemed fit. CREDA reserves the right to make surprise checks/ inspection visits at its own or through authorized representative to verify the O&M activities being carried out by the Bidder. Failure to adhere to above guidelines will result in penal action including debarring from participation in next tender.

6.6 METERING AND GRID CONNECTIVITY

Metering and grid connectivity of the roof top solar PV system under this scheme would be the responsibility of the Bidder in accordance with the prevailing guidelines of the CREDA/ State Regulator and / or CEA (if available by the time of implementation). CREDA could facilitate connectivity; however, the entire responsibility lies with bidder only.

Under Net-metering arrangement, the system is connected to the electrical grid, and a bidirectional meter measures both the electricity consumed from the grid and the excess electricity generated by the Solar Rooftop system. When the system produces more electricity than the customer uses, the surplus is fed back into the grid, and customers are billed based on the net electricity consumed.

6.7 PLANT PERFORMANCE EVALUATION

The developer will declare the annual CUF of the Project at the time of submission of response to RfS, who shall be allowed, to revise the annual CUF once within first year of Commercial Operation Date (COD). Thereafter, the CUF for the project shall remain unchanged for the entire term of the PPA. The declared annual CUF shall in no case be less than 15%. Developer shall maintain generation so as to achieve annual CUF within +10% and -15% of the declared value till the end of 10 years from COD, subject to the annual CUF remaining minimum of 15% and within +10% and -20% of the declared value of the annual CUF thereafter till the end of the PPA duration of 25 years

The annual CUF will be calculated every year from 1st April of the year to 31st March next year. The bidder should send the periodic plant output details to CREDA for ensuring the CUF.

Submission of Project Completion Report (PCR)

The bidder shall submit the Project Completion Report (both in editable soft copy and signed hard copy) after commissioning of the project as per the Scope of RFS to CREDA as per the Format. Non- submission of the report shall be considered as “Breach of Contract” and shall attract punitive actions as per the relevant provisions of the Contract. However, the decision of Engineer-in- charge shall be final in this regard.

6.8 PROJECT INSPECTION

The project progress will be monitored by CREDA and the projects will be inspected for quality at any time during commissioning or after the completion of the project either by officer(s) from CREDA or any agency/ experts designated / authorized by CREDA from time to time. CREDA shall depute a technical person(s) from its list of empaneled experts/ agencies updated from time to time for inspection, Third party verification, monitoring of system installed to oversee, the implementation as per required standards and also to visit the manufacturer's facilities to check the quality of products as well as to visit the system integrators to assess their technical capabilities as and when required. The cost of Inspection to be carried out by CREDA shall be borne by CREDA. The cost of re-inspection, if any shall be borne by Vendor. The projects shall be inspected at any time during commissioning or after the completion of the project.

6.9 APPLICABLE LAW

The Contract shall be interpreted in accordance with the laws of the Union of India.

6.10 SETTLEMENT OF DISPUTE

If any dispute of any kind whatsoever arises between CREDA and Successful bidder in connection with or arising out of the contract including without prejudice to the generality of the foregoing, any question regarding the existence, validity or termination, the parties shall seek to resolve any such dispute or difference by mutual consent.

If the parties fail to resolve, such a dispute or difference by mutual consent, within 45 days of its arising, then the dispute shall be referred by either party by giving notice to the other party in writing of its intention to refer to arbitration as hereafter provided regarding matter under dispute. No arbitration proceedings will commence unless such notice is given. Any dispute in respect of which a notice of intention to commence arbitration shall be finally settled by arbitration.

6.11 FORCE MAJEURE

“Force Majeure” shall mean any event or circumstance or combination of events those stated below that wholly or partly prevents or unavoidably delays the Contractor in the performance of its obligations under this Agreement, but only if and to the extent that such events or circumstances are not within the reasonable control, directly or indirectly, of the Contractor Company and could not have been avoided if the Contractor had taken reasonable care or complied with Prudent Utility Practices:

- a) Act of God, including, but not limited to lightning, drought, fire and explosion (to the extent originating from a source external to the site), earthquake, volcanic eruption, landslide, flood, cyclone, typhoon or tornado if and only if it is declared / notified by the competent state / central authority / agency (as applicable);
- b) Any act of war (whether declared or undeclared), invasion, armed conflict or act of foreign enemy, blockade, embargo, revolution, riot, terrorist or military action if and only if it is declared / notified by the competent state / central authority / agency (as applicable); or
- c) Radioactive contamination or ionising radiation originating from a source in India or resulting from another Force Majeure Event mentioned above excluding circumstances where the source or cause of contamination or radiation is brought or has been brought into or near the Project by the Successful Bidder/Project Company or those employed or engaged

by the Contractor.

Notwithstanding the provisions of clauses contained in this RfS document, the contractor shall not be liable to forfeit (a) PBG for delay and (b) termination of contract, if he is unable to fulfill his obligation under this contract due to force majeure conditions.

For purpose of this clause, "Force Majeure" means an event beyond the control of the contractor and not involving the contractor's fault or negligence and not foreseeable, either in its sovereign or contractual capacity. Such events may include but are not restricted to Acts of God, wars or revolutions, fires, floods, epidemics, quarantine restrictions and fright embargoes etc. Whether a "Force majeure" situation exists or not, shall be decided by CREDA and its decision shall be final and binding on the contractor and all other concerned.

In the event that the contractor is not able to perform his obligations under this contract on account of force majeure, he will be relieved of his obligations during the force majeure period. In the event that such force majeure extends beyond six months, CREDA has the right to terminate the contract in which case, the PBG shall be refunded to him.

If a force majeure situation arises, the contractor shall notify CREDA in writing promptly, not later than 14 days from the date such situation arises. The contractor shall notify CREDA not later than 3 days of cessation of force majeure conditions. After examining the cases, CREDA shall decide and grant suitable additional time for the completion of the work, if required.

6.12 LANGUAGE

All documents, drawings, instructions, design data, calculations, operation, maintenance and safety manuals, reports, labels and any other data shall be in English Language. The contract agreement and all correspondence between the CREDA and the bidder shall be in English language.

6.13 OTHER CONDITIONS

The Successful bidder shall not transfer, assign or sublet the work under this contract or any substantial part thereof to any other party without the prior consent of CREDA in writing.

The Successful bidder or its subcontractors shall not display the photographs of the work and not take advantage through publicity of the work without written permission of CREDA and owner of the Rooftop.

The Successful bidder or its subcontractors shall not make any other use of any of the documents or information of this contract, except for the purposes of performing the contract.

CREDA will not be bound by any Power of Attorney granted/ issued by the Successful bidder or its subcontractors or by any change in the composition of the firm made during or subsequent to the execution of the contract. However, recognition to such Power of Attorney and change (if any) may be given by CREDA after obtaining proper legal advice, the cost of which will be chargeable to the Successful bidder concerned.

6.13.1 SEVERABILITY:

It is stated that each paragraph, clause, sub-clause, schedule or annexure of this contract shall be deemed severable & in the event of the unenforceability of any paragraph, clause sub-clause, schedule or the remaining part of the paragraph, clause, sub-clause, schedule annexure & rest of the contract shall continue to be in full force & effect.

6.13.2 COUNTERPARTS:

This contract may be executed in one or more counterparts, each of which shall be deemed an original & all of which collectively shall be deemed one of the same instrument.

6.13.3 RIGHTS & REMEDIES UNDER THE CONTRACT ONLY FOR THE PARTIES:

This contract is not intended & shall not be construed to confer on any person other than the CREDA & Successful bidder hereto, any rights and / or remedies herein.

6.14 LIQUIDATED DAMAGES:

The Successful Bidder shall complete the entire scope of work within 12 months from signing of agreement with CREDA in line as per RfS Document.

- a. In case of delay in commissioning of total capacity of Project beyond the SCD until the date as on 18 months from award of LoA, as part of liquidated damages, the total PBG amount for the Project shall be encashed on per-day basis. For e.g., if commissioning of the capacity is delayed by 18 days beyond the SCD, then the liquidated damages shall be: PBG amount X (18/180). For the purpose of calculations for penalty, the month shall be considered consisting of 30 days.
- b. i) For Delay in commissioning upto 6 (six) months from Scheduled Commissioning Period, encashment of Performance Bank Guarantee (PBG) on per day basis and proportionate to the capacity not commissioned.

ii) For Delay in commissioning beyond six months from Scheduled Commissioning Period, Successful Bidder Event of Default, as per the RfS, shall be considered to have occurred and the contracted capacity shall stand reduced to the project capacity commissioned upto SCD + 6 (six) months. LoA for balance capacity not commissioned shall be terminated.

6.15 TAXES DUTIES:

The fixed tariff quoted should include all taxes, duties and Insurance expenditure, all tax etc. if any. A bidder shall be entirely responsible for all taxes, duties, license fees, etc. All taxes payable as per Government income tax & service tax norms will be payable by the bidder.

6.16 PAYMENT for Energy supply:

Successful Bidder will sign a PPA as per prescribed format with Institute Owner for sale of Solar Power for 25 years. A copy of the same will be provided to CREDA. The payment to the bidder by building owner shall be released based on the Power Purchase Agreement.

PART – VII

TECHNICAL

SPECIFICATIONS

TECHNICAL SPECIFICATIONS

The proposed projects shall be commissioned as per the technical specifications given below. Domestic Modules are to be used failing which it will be assumed that system is not matching the requirement of the scheme and bidder's PBG shall be forfeited. Competent Authority's decision will be final and binding on the bidder.

7.1 DEFINITION

A Roof Top Solar (RTS) Photo Voltaic (PV) system shall consist of following equipment/components:

1. Solar Photo Voltaic (SPV) modules consisting of required number of Crystalline PV modules
2. Inverter/PCU
3. Module Mounting structures
4. Energy Meter
5. Array Junction Boxes
6. DC Distribution Box
7. AC Distribution Box
8. Protections – Earthing, Lightning, Surge
9. Cables
10. Drawing & Manuals
11. Miscellaneous

7.1.1 Solar PV modules

1. The PV modules and Solar Cell used should be made in India.
2. The PV modules used must qualify to the latest edition of IEC standards or equivalent BIS standards, i.e. IEC 61215/IS14286, IEC 61853-Part I/IS 16170-Part I, IEC 61730 Part-1 & Part 2 and IEC 62804 (PID). For the PV modules to be used in a highly corrosive atmosphere throughout their lifetime, they must qualify to IEC 61701/IS 61701.
3. The rated power of solar PV module shall have maximum tolerance up to +3%.
4. The peak-power point current of any supplied module string (series connected modules) shall not vary by +1% from the respective arithmetic means for all modules and/or for all module strings (connected to the same MPPT), as the case may be.
5. The peak-power point voltage of any supplied module string (series connected modules) shall not vary by + 2% from the respective arithmetic means for all modules and/or for all module strings (connected to the same MPPT), as the case may be.
6. The temperature co-efficient power of the PV module shall be equal to or better than - 0.45%/°C.
7. Solar PV modules of minimum capacity 250 Wp to be used.
8. The PV Module efficiency should be minimum 16%.
9. Solar PV modules of minimum fill factor 75%, to be used.
10. All electrical parameters at STC shall have to be provided

11. The PV modules shall be equipped with IP 65 or better protection level junction box with required numbers of bypass diodes of appropriate rating and appropriately sized output power cable of symmetric length with MC4 or equivalent solar connectors. The IP level for protection may be chosen based on following conditions:
 - i. An IP 65 rated enclosure is suitable for most outdoor enclosures that won't encounter extreme weather such as flooding.
 - ii. An IP 67 rated enclosure is suitable at locations which may encounter temporary submersion at depths of up to one meter.
 - iii. An IP 68 enclosure is recommended if there may exist situations of submergence for extended periods of time and at substantial depths.
12. All PV modules should carry a performance warranty of >90% during the first 10 years, And >80% during the next 15 years. Further, module shall have performance warranty of >97% during the first year of installation—degradation of the module below 1 % per annum.
13. The manufacturer should warrant the Solar Module(s) to be free from the defects and/or failures specified below for a period not less than five (05) years from the date of commissioning:
14. Defects and/or failures due to manufacturing.
15. Defects and/or failures due to quality of materials.
16. Nonconformity to specifications due to faulty manufacturing and/or inspection processes. If the solar Module(s) fails to conform to this warranty, the manufacturer will repair or replace the solar module(s), at the Owners sole option.
17. PV modules must be tested and approved by one of the NABL accredited and BIS approved test centers.
18. Modules deployed must use a RF identification tag laminated inside the glass. The following information must be mentioned in the RFID used on each module:
 - i. Name of the manufacturer of the PV module
 - ii. Name of the manufacturer of Solar Cells.
 - iii. Month & year of the manufacture (separate for solar cells and modules)
 - iv. Country of origin (separately for solar cells and module)
 - v. I-V curve for the module Wattage, I_m , V_m and FF for the module
 - vi. Unique Serial No and Model No of the module
 - vii. Date and year of obtaining IEC PV module qualification certificate.
 - viii. Name of the test lab issuing IEC certificate.
 - ix. Other relevant information on traceability of solar cells and module as per ISO 9001 and ISO 14001.
 - x. Nominal wattage +3%.
 - xi. Brand Name, if applicable.

19. Other details as per IS/IEC 61730-1 clause 11 should be provided at appropriate place. In addition to the above, the following information should also be provided:
 - i. The actual Power Output Pmax shall be mentioned on the label pasted on the back side of PV Module.
 - ii. The Maximum system voltage for which the module is suitable to be provided on the back sheet of the module.
 - iii. Polarity of terminals or leads (colour coding is permissible) on junction Box housing near cable entry or cable and connector.
20. Unique Serial No, Model No, Name of Manufacturer, Manufacturing year, Make in India logo and module wattage details should be displayed inside the laminated glass.

7.1.2 Inverter/PCU

1. Inverters/PCU should comply with applicable IEC/equivalent BIS standard for efficiency measurements and environmental tests as per standard codes IEC 61683/IS 61683, IS 16221 (Part 2), IS 16169 and IEC 60068-2(1,2,14,30) /Equivalent BIS Std.
2. Maximum Power Point Tracker (MPPT) shall be integrated in the inverter/PCU to maximize energy drawn from the array. Charge controller (if any) / MPPT units environmental testing should qualify IEC 60068-2(1, 2, 14, 30)/Equivalent BIS standard. The junction boxes/enclosures should be IP 65 or better (for outdoor)/ IP 54 or better (indoor) and as per IEC 529 Specifications.
3. All inverters/PCUs shall be IEC 61000 compliant for electromagnetic compatibility, harmonics, Surge, etc.
4. The PCU/ inverter shall have overloading capacity of minimum 10%.
5. Typical technical features of the inverter shall be as follows-
 - i. Switching devices: IGBT/MOSFET
 - ii. Control: Microprocessor/DSP
 - iii. Nominal AC output voltage and frequency: as per CEA/State regulations
 - iv. Output frequency: 50 Hz
 - v. Grid Frequency Synchronization range: as per CEA/State Regulations
 - vi. Ambient temperature considered: -20°C to 60°C
 - vii. Humidity: 95 % Non-condensing
 - viii. Protection of Enclosure: IP-54 (Minimum) for indoor and IP-65(Minimum) for outdoor.
 - ix. Grid Frequency Tolerance range: as per CEA/State regulations
 - x. Grid Voltage tolerance: as per CEA/State Regulations
 - xi. No-load losses: Less than 1% of rated power
 - xii. Inverter efficiency (Min.): >93% (In case of 10 kW or above within-built galvanic isolation)>97% (In case of 10 kW or above without inbuilt galvanic isolation)
 - xiii. Inverter efficiency (minimum): > 90% (In case of less than 10 kW)
 - xiv. THD: < 3%
 - xv. PF: > 0.9 (lag or lead)
 - xvi. Should not inject DC power more than 0.5% of full rated output at the interconnection point and comply to IEEE 519.

6. The output power factor of inverter should be suitable for all voltage ranges or sink of reactive power, inverter should have internal protection arrangement against any sustain fault in feeder line and against the lightning on feeder.
7. All the Inverters should contain the following clear and indelible Marking Label & Warning Label as per IS16221 Part II, clause 5. The equipment shall, as a minimum, be permanently marked with:
 - i. The name or trademark of the manufacturer or supplier;
 - ii. A model number, name or other means to identify the equipment,
 - iii. A serial number, code or other marking allowing identification of manufacturing location and the manufacturing batch or date within a three-month time period.
 - iv. Input voltage, type of voltage (a.c. or d.c.), frequency, and maximum continuous current for each input.
 - v. Output voltage, type of voltage (a.c. or d.c.), frequency, maximum continuous current, and for a.c. outputs, either the power or power factor for each output.
 - vi. The Ingress Protection (IP) rating
8. Marking shall be located adjacent to each fuse or fuse holder, or on the fuse holder, or in another location provided that it is obvious to which fuse the marking applies, giving the fuse current rating and voltage rating for fuses that may be changed at the installed site.
9. In case the consumer is having a 3- ϕ connection, 3- ϕ inverter shall be provided by the Firm as per the consumer's requirement and regulations of the State.
10. Inverter/PCU shall be capable of complete automatic operation including wake-up, synchronization & shutdown.
11. The Inverter should have a provision of remote monitoring of inverter data through sim card. Required website/mobile app platform, where the user (Consumer) can access the data, should be provided/explained to consumer while installation. Additionally, if inverter has the facility of in- built Wi-Fi module, that should also be explained to the consumer. On demand, Inverter should also have provision to feed the data to the remote monitoring server using relevant API/ protocols. All the inverter data should be available for monitoring by giving web access.
12. Integration of PV Power with Grid & Grid Islanding:
 - i. The output power from SPV would be fed to the inverters/PCU which converts DC produced by SPV array to AC and feeds it into the main electricity grid after synchronization.
 - ii. In the event of a power failure on the electric grid, it is required that any independent power-producing inverters attached to the grid turn off in a short period of time. This prevents the DC-to-AC inverters from continuing to feed power into small sections of the grid, known as "islands." Powered islands present a risk to workers who may expect the area to be unpowered, and they may also

damage grid-tied equipment. The Rooftop PV system shall be equipped with islanding protection. In addition to disconnection from the grid (due to islanding protection) disconnection due to under and over voltage conditions shall also be provided, if not available in inverter.

- iii. MCB/MCCB or a manual isolation switch, besides automatic disconnection to grid, would have to be provided at utility end to isolate the grid connection by the utility personnel to carry out any maintenance. This switch shall be locked by the utility personnel.

7.1.3 Module Mounting Structure (MMS):

1. Supply, installation, erection and acceptance of module mounting structure (MMS) with all necessary accessories, auxiliaries and spare part shall be in the scope of the work.
2. Module mounting structures can be made from three types of materials. They are Hot Dip Galvanized Iron, Aluminium and Hot Dip Galvanized Mild Steel (MS). However, MS will be preferred for raised structure.
3. MMS Steel shall be as per latest IS 2062:2011 and galvanization of the mounting structure shall be in compliance of latest IS 4759. MMS Aluminium shall be as per AA6063 T6. For Aluminium structures, necessary protection towards rusting need to be provided either by coating or anodization.
4. All bolts, nuts, fasteners shall be of stainless steel of grade SS 304 or hot dip galvanized, panel mounting clamps shall be of aluminium and must sustain the adverse climatic conditions. Structural material shall be corrosion resistant and electrolytically compatible with the materials used in the module frame, its fasteners, nuts and bolts.
5. The module mounting structures should have angle of inclination as per the site conditions to take maximum insolation and complete shadow-free operation during generation hours. However, to accommodate more capacity the angle of inclination may be reduced until the plant meets the specified performance ratio requirements.
6. The Mounting structure shall be so designed to withstand the speed for the wind zone of the location where a PV system is proposed to be installed. The PV array structure design shall be appropriate with a factor of safety of minimum 1.5.
7. The upper edge of the module must be covered with wind shield so as to avoid build air ingress below the module. Slight clearance must be provided on both edges (upper & lower) to allow air for cooling.
8. Suitable fastening arrangement such as grouting and calming should be provided to secure the installation against the specific wind speed. The Empanelled Agency shall be fully responsible for any damages to SPV System caused due to high wind velocity within guarantee period as per technical specification.
9. The structures shall be designed to allow easy replacement, repairing and cleaning of any module. The array structure shall be so designed that it will occupy minimum space without sacrificing the output from the SPV panels. Necessary testing provision for MMS to be made available at site.
10. Adequate spacing shall be provided between two panel frames and rows of panels to facilitate personnel protection, ease of installation, replacement, cleaning of panels and electrical maintenance.
11. The structure shall be designed to withstand operating environmental conditions for a period of minimum 25 years.
12. The Rooftop Structures maybe classified in three broad categories

i. Ballast structure

- a. The mounting structure must be Non-invasive ballast type and any sort of penetration of roof to be avoided.
- b. The minimum clearance of the structure from the roof level should be in between 70-150 mm to allow ventilation for cooling, also ease of cleaning and maintenance of panels as well as cleaning of terrace.
- c. The structures should be suitably loaded with reinforced concrete blocks of appropriate weight made out of M25 concrete mixture.

ii. Tin shed

- a. The structure design should be as per the slope of the tin shed.
- b. The inclination angle of structure can be done in two ways-
 - b.1. Parallel to the tin shed (flat keeping zero-degree tiling angle), if the slope of shed in Proper south direction
 - b.2. With same tilt angle based on the slope of tin shed to get the maximum output.
- c. The minimum clearance of the lowest point from the tin shade should be more than 100mm.
- d. The base of structure should be connected on the Purlin of tin shed with the proper riveting.
- e. All structure member should be of minimum 2 mm thickness.

iii. RCC Elevated structure: It can be divided into further three categories:

A. Minimum Ground clearance (300MM – 1000 MM) (Type-1)

- I. The structure shall be designed to allow easy replacement of any module and shall be in line with site requirement. The gap between module should be minimum 30MM.
- II. Base Plate – Base plate thickness of the Structure should be 5MM for this segment.
- III. Column – Structure Column should be minimum 2MM in Lip section / 3MM in C-Channel section. The minimum section should be 70MM in Web side and 40MM in flange side in Lip section.
- IV. Rafter – Structure rafter should be minimum 2MM in Lip section / 3MM in C-Channel section. The minimum section should be 70MM in Web side (y-axis) and 40MM in flange side (x- axis).
- V. Purlin – Structure purlin should be minimum 2MM in Lip section. The minimum section should be 60MM in Web side and 40MM in flange side in Lip section.
- VI. Front/back bracing – The section for bracing part should be minimum 2MM thickness.
- VII. Connection – The structure connection should be bolted completely. Leg to rafter should be connected with minimum 12 diameter bolt. Rafter and purlin should be connected with minimum 10 diameter bolt. Module mounting fasteners should be SS-304 only and remaining fasteners either SS-304 or HDG 8.8 Grade.
- VIII. For single portrait structure the minimum ground clearance should be 500MM.

B. Medium Ground clearance (1000MM – 2000 MM) (Type-2)

- a. Base Plate – Base plate thickness of the Structure should be Minimum 6MM for this segment.

- b. Column – Structure Column should be minimum 2MM in Lip section / 3MM in C-Channel section. The minimum section should be 80MM in Web side and 50MM in flange side in Lip section.
- c. Rafter – Structure rafter should be minimum 2MM in Lip section / 3MM in C-Channel section. The minimum section should be 70MM in Web side and 40MM in flange side in Lip section.
- d. Purlin – Structure purlin should be minimum 2MM in Lip section. The minimum section should be 70MM in Web side and 40MM in flange side in Lip section.
- e. Front/back bracing – The section for bracing part should be minimum 2MM thickness.
- f. Connection – The structure connection should be bolted completely. Leg to rafter should be connected with minimum 12 diameter bolt. Rafter and purlin should be connected with minimum 10 diameter bolt. Module mounting fasteners should be SS-304 only and remaining fasteners either SS-304 or HDG 8.8 Grade.

C. Maximum Ground clearance (2000MM – 3000 MM) (Type-3)

- a. Base Plate – Base plate thickness of the Structure should be minimum 8 MM for this segment.
- b. Column – Structure Column thickness should be minimum 2.6MM in square hollow section (minimum 50x50) or rectangular hollow section (minimum 60x40) or 3MM in C-Channel section.
- c. Rafter – Structure rafter should be minimum 2MM in Lip section / 3MM in Channel section. The minimum section should be 80MM in Web side and 50MM in flange side in Lip section.
- d. Purlin – Structure purlin should be minimum 2MM in Lip section. The minimum section should be 80MM in Web side and 50MM in flange side in Lip section.
- e. Front/back bracing – The section for bracing part should be minimum 3MM thickness.
- f. Connection – The structure connection should be bolted completely. Leg to rafter should be connected with minimum 12 diameter bolt. Rafter and purlin should be connected with minimum 10 diameter bolt. Module mounting fasteners should be SS-304 only and remaining fasteners either SS-304 or HDG 8.8 Grade.

D. Super elevated structure (More than 3000 MM) (Type-4)

D.1. Base structure

- a. Base Plate – Base plate thickness of the Structure should be 10MM for this segment.
- b. Column – Structure Column minimum thickness should be minimum 2.9MM in square hollow section (minimum 60x60) or rectangular hollow section (minimum 80x40).
- c. Rafter – Structure Rafter minimum thickness should be minimum 2.9MM in square hollow section (minimum 60x60) or rectangular hollow section (minimum 80x40).
- d. Cross bracing – Bracing for the connection of rafter and column should be of minimum thickness of 4mm L-angle with the help of minimum bolt diameter of 10mm.

D.2. Upper structure of super elevated structure –

- a. Base Plate – Base plate thickness of the Structure should be minimum 5MM for this segment.
- b. Column – Structure Column should be minimum 2MM in Lip section / 3MM in Channel section. The minimum section should be 70MM in Web side and 40MM in flange side in Lip section.
- c. Rafter – Structure rafter should be minimum 2MM in Lip section / 3MM in Channel section. The minimum section should be 70MM in Web side and 40MM in flange side in Lip section.
- d. Purlin – Structure purlin should be minimum 2MM in Lip section. The minimum section should be 60MM in Web side and 40MM in flange side in Lip section.
- e. Front/back bracing – The section for bracing part should be minimum 2MM thickness.
- f. Connection – The structure connection should be bolted completely. Leg to rafter should be connected with minimum 12 diameter bolt. Rafter and purlin should be connected with minimum 10 diameter bolt. Module mounting fasteners should be SS-304 only and remaining fasteners either SS-304 or HDG 8.8 Grade.

D.3. If distance between two legs in X-Direction is more than 3M then sag angle/Bar should be provided for purlin to avoid deflection failure. The sag angle should be minimum 2Mmthick, and bar should be minimum 12Dia.

D.4. Degree – The Module alignment and tilt angle shall be calculated to provide the maximum annual energy output. This shall be decided on the location of array installation.

D.5. Foundation – Foundation should be as per the roof condition; two types of the foundation can be done- either penetrating the roof or without penetrating the roof.

- a. If penetration on the roof is allowed (based on the client requirement) then minimum 12MM diameter anchor fasteners with minimum length 100MM can be used with proper chipping. The minimum RCC size should be 400x400x300 cubic mm. Material grade of foundation should be minimum M20.
- b. If penetration on roof is not allowed, then foundation can be done with the help of 'J Bolt' (refer IS 5624 for foundation hardware). Proper Neto bond solution should be used to adhere the Foundation block with the RCC roof. Foundation J – bolt length should be minimum 12MM diameter and length should be minimum 300MM.

13. Material standards:

- i. Design of foundation for mounting the structure should be as per defined standards which clearly states the Load Bearing Capacity & other relevant parameters for foundation design (As per IS 6403 / 456 / 4091 / 875).
- ii. Grade of raw material to be used for mounting the structures so that it complies the defined wind loading conditions (As per IS 875 – III) should be referred as follows (IS 2062 – for angles and channels, IS 1079 – for sheet, IS 1161 & 1239 for round pipes, IS 4923 for rectangular and square hollow section)
- iii. Test reports for the raw material should be as per IS 1852 / 808 / 2062 / 1079 / 811.
- iv. In process inspection report as per approved drawing & tolerance should be as per IS 7215.
- v. For ascertaining proper welding of structure part following should be referred:

- a. D.P. Test (Pin Hole / Crack) (IS 822)
 - b. Weld wire grade should be of grade (ER 70 S – 6)
 - vi. For ascertaining hot dip galvanizing of fabricated structure following should be referred: -
 - a. Min coating required should be as per IS 4759 & EN 1461.
 - b. Testing of galvanized material
 - Pierce Test (IS 2633)
 - Mass of Zinc (IS 6745)
 - Adhesion Test (IS 2629)
 - CuSO₄ Test (IS 2633)
 - Superior High-Grade Zinc Ingot should be of 99.999% purity (IS 209) (Preferably Hindustan Zinc Limited or Equivalent).
 - vii. Foundation Hardware – If using foundation bolt in foundation then it should be as per IS 5624.
14. Design Validation- The Structure design and drawing should be duly verified by a licensed Structural designer before installation for all types of structure arrangements including the extension made, as per specification.

7.1.4 Metering

1. A Roof Top Solar (RTS) Photo Voltaic (PV) system shall consist of following energy meters:
 - i. Net meter: To record import and export units
 - ii. Generation meter: To keep record for total generation of the plant.
2. The installation of meters including CTs & PTs, wherever applicable, shall be carried out by the Firm as per the terms, conditions and procedures laid down by the concerned CSERC/DISCOMs.

7.1.5 Array Junction Boxes:

1. The junction boxes are to be provided in the PV array for termination of connecting cables. The Junction Boxes (JBs) shall be made of GRP/FRP/Powder Coated aluminum /cast aluminum alloy with full dust, water & vermin proof arrangement. All wires/cables must be terminated through cable lugs. The JB's shall be such that input & output termination can be made through suitable cable glands. Suitable markings shall be provided on the bus-bars for easy identification and cable ferrules will be fitted at the cable termination points for identification.
2. Copper bus bars/terminal blocks housed in the junction box with suitable termination threads Conforming to IP 65 or better standard and IEC 62208 Hinged door with EPDM rubber gasket to prevent water entry, Single /double compression cable glands should be provided.
3. Polyamide glands and MC4 Connectors may also be provided. The rating of the junction box shall be suitable with adequate safety factor to interconnect the Solar PV array.
4. Suitable markings shall be provided on the bus bar for easy identification and the cable ferrules must be fitted at the cable termination points for identification.
5. Junction boxes shall be mounted on the MMS such that they are easily accessible and are protected from direct sunlight and harsh weather.

7.1.6 DC Distribution Box (DCDB):

1. May not be required for small plants, if suitable arrangement is available in the inverter.
2. DC Distribution Box are to be provided to receive the DC output from the PV array field.
3. DCDBs shall be dust & vermin proof conform having IP 65 or better protection, as per site conditions.
4. The bus bars are made of EC grade copper of required size. Suitable capacity MCBs/MCCB shall be provided for controlling the DC power output to the inverter along with necessary surge arrestors. MCB shall be used for currents up to 63 Amperes, and MCCB shall be used for currents greater than 63 Amperes.

7.1.7 AC Distribution Box (ACDB):

1. AC Distribution Panel Board (DPB) shall control the AC power from inverter, and should have necessary surge arrestors, if required. There is interconnection from ACDB to mains at LT Bus bar while in grid tied mode.
2. All switches and the circuit breakers, connectors should conform to IEC 60947:2019, part I, II and III/ IS 60947 part I, II and III.
3. The isolators, cabling work should be undertaken as part of the project.
4. All the Panel's shall be metal clad, totally enclosed, rigid, floor mounted, air -insulated, cubical type suitable for operation on $1-\phi/3-\phi$, 415 or 230 volts, 50 Hz (or voltage levels as per CEA/State regulations).
5. The panels shall be designed for minimum expected ambient temperature of 45 degrees Celsius, 80 percent humidity and dusty weather.
6. All indoor panels will have protection of IP 54 or better, as per site conditions. All outdoor panels will have protection of IP 65 or better, as per site conditions.
7. Should conform to Indian Electricity Act and CEA safety regulations (till last amendment).
8. All the 415 or 230 volts (or voltage levels as per CEA/State regulations) AC devices / equipment like bus support insulators, circuit breakers, SPDs, Voltage Transformers (VTs) etc., mounted inside the switchgear shall be suitable for continuous operation and satisfactory performance under the following supply conditions.
 - i. Variation in supply voltage: as per CEA/State regulations
 - ii. Variation in supply frequency: as per CEA/State regulations
9. The inverter output shall have the necessary rated AC surge arrestors, if required and MCB/ MCCB. RCCB shall be used for successful operation of the PV system, if inverter does not have required earth fault/residual current protection.

7.1.8 Protections

The system should be provided with all necessary protections like earthing, Lightning, and Surge Protection, as described below:

7.1.8.1 Earthing Protection

- i. The earthing shall be done in accordance with latest Standards.

- ii. Each array structure of the PV yard, Low Tension (LT) power system, earthing grid for switchyard, all electrical equipment, inverter, all junction boxes, etc. shall be grounded properly as per IS 3043-2018.
- iii. All metal casing/ shielding of the plant shall be thoroughly grounded in accordance with CEA Safety Regulation 2010. In addition, the lightning arrester/masts should also be earthed inside the array field.
- iv. Earth resistance should be as low as possible and shall never be higher than 5 ohms.
- v. For 10 KW and above systems, separate three earth pits shall be provided for individual three earthings viz.: DC side earthing, AC side Earthing and Lightning arrester earthing.

7.1.8.2 Lightning Protection

- i. The SPV power plants shall be provided with lightning & over voltage protection, if required. The main aim in this protection shall be to reduce the overvoltage to a tolerable value before it reaches the PV or other sub system components. The source of over voltage can be lightning, atmosphere disturbances etc.
- ii. The entire space occupying the SPV array shall be suitably protected against Lightning by deploying required number of Lightning Arrestors (Las). Lightning protection should be provided as per NFC17-102:2011/IEC 62305 standard.
- iii. The protection against induced high-voltages shall be provided by the use of Metal Oxide Varistors (MOVs)/Franklin Rod type LA/Early streamer type LA.
- iv. The current carrying cable from lightning arrester to the earth pit should have sufficient current carrying capacity according to IEC 62305. According to standard, the minimum requirement for a lightning protection system designed for class of LPS III is a 6 mm² copper/ 16 mm² aluminum or GI strip bearing size 25*3 mm thick). Separate pipe for running earth wires of Lightning Arrester shall be used.

7.1.8.3 Surge Protection

- i. Internal surge protection, wherever required, shall be provided.
- ii. It will consist of three SPD type-II/MOV type surge arrestors connected from +ve and –ve terminals to earth.

7.1.9 CABLES

- 1. All cables should conform to latest edition of IEC/equivalent BIS Standards along with IEC 60227/IS 694, IEC 60502/IS 1554 standards.
- 2. Cables should be flexible and should have good resistance to heat, cold, water, oil, abrasion etc.
- 3. Armored cable should be used and overall PVC type 'A' pressure extruded insulation or XLPE insulation should be there for UV protection.
- 4. Cables should have Multi Strand, annealed high conductivity copper conductor on DC side and copper/FRLS type Aluminum conductor on AC side. For DC cabling, multi-core cables shall not be used.

5. Cables should have operating temperature range of -10°C to +80°C and voltage rating of 660/1000 V.
6. Sizes of cables between array interconnections, array to junction boxes, junction boxes to Inverter etc. shall be so selected to keep the voltage drop less than 2% (DC Cable losses).
7. The size of each type of AC cable selected shall be based on minimum voltage drop. However; the maximum drop shall be limited to 2%.
8. The electric cables for DC systems for rated voltage of 1500 V shall conform to BIS 17293:2020.
9. All cable/wires are to be routed in a RPVC pipe/ GI cable tray and suitably tagged and marked with proper manner by good quality ferule or by other means so that the cable is easily identified.
10. All cable trays including covers to be provided.
11. Thermo-plastic clamps to be used to clamp the cables and conduits, at intervals not exceeding 50 cm.
12. Size of neutral wire shall be equal to the size of phase wires, in a three phase system.
13. The Cable should be so selected that it should be compatible up to the life of the solar PV panels i.e. 25 years.

7.1.10 DRAWINGS& MANUALS:

1. Operation & Maintenance manual/user manual, Engineering and Electrical Drawings shall be supplied along with the power plant.
2. The manual shall include complete system details such as array lay out, schematic of the system, inverter details, working principle etc.
3. The Manual should also include all the Dos & Don'ts of Power Plant along with Graphical Representation with indication of proper methodology for cleaning, Operation and Maintenance etc.
4. Step by step maintenance and troubleshooting procedures shall also be given in the manuals.
5. Vendors should also educate the consumers during their AMC period.

7.1.11 Miscellaneous:

1. Connectivity: The maximum capacity for interconnection with the grid at a specific voltage level shall be as specified in the SERC regulation for Grid connectivity and norms of DISCOM and amended from time to time.
2. Safety measures: Electrical safety of the installation(s) including connectivity with the grid must be taken into account and all the safety rules & regulations applicable as per Electricity Act, 2003 and CEA Safety Regulation 2010 etc. must be followed.
3. Shadow analysis: The shadow analysis report with the instrument such as Solar Pathfinder or professional shadow analysis software of each site should be provided and the consumer should be educated to install the system only in shadow free space. Lower performance of the system due to shadow effect shall be liable for penalty for lower performance.
4. Firefighting system – Portable fire extinguishers/sand buckets shall be provided wherever required as per norms.

**Quality Certification, Standards and Testing for Grid-Connected Rooftop Solar PV
Systems/ Power Plants**

Solar PV Modules/Panels	
IEC 61215 and IS 14286	Design Qualification and Type Approval for Crystalline Silicon Terrestrial Photovoltaic (PV) Modules
IEC 61701:2011	Salt Mist Corrosion Testing of Photovoltaic (PV) Modules
IEC 61853- 1:2011 / IS 16170-1:2014	Photovoltaic (PV) module performance testing and energy rating –: Irradiance and temperature performance measurements, and power Rating.
IEC 62716	Photovoltaic (PV) Modules – Ammonia (NH ₃) Corrosion Testing (as per the site condition like dairies, toilets etc.)
IEC 61730-1,2	Photovoltaic (PV) Module Safety Qualification – Part 1: Requirements for Construction, Part 2: Requirements for Testing
IEC 62804	Photovoltaic (PV) modules – Test method for detection of potential-induced degradation. IEC 62804-1: Part 1: Crystalline Silicon
Solar PV Inverters	
IEC 62109 or IS : 16221	Safety of power converters for use in photovoltaic power systems – Part 1: General requirements, and Safety of power converters for use in photovoltaic power systems Part 2: Particular requirements for inverters. Safety compliance (Protection degree IP 65 or better for outdoor mounting, IP 54 or better for indoor mounting)
IS/IEC 61683 latest (as applicable)	Photovoltaic Systems – Power conditioners: Procedure for Measuring Efficiency (10%, 25%, 50%, 75% & 90-100% Loading Conditions)
IEC 60068-2 /IEC 62093 (as applicable)	Environmental Testing of PV System – Power Conditioners and Inverters
IEC 62116:2014/ IS16169	Utility-interconnected photovoltaic inverters - Test procedure of islanding prevention measures
Fuses	
IS/IEC 60947 (Part 1, 2 & 3), EN 50521	General safety requirements for connectors, switches, circuit breakers (AC/DC): 1) Low-voltage Switchgear and Control-gear, Part 1: General rules 2) Low-Voltage Switchgear and Control-gear, Part 2: Circuit Breakers 3) Low-voltage switchgear and Control-gear, Part 3: Switches, disconnectors switch-disconnectors and fuse-combination units 4) EN 50521: Connectors for photovoltaic system-Safety requirements and tests

IEC 60269-6:2010	Low-voltage fuses - Part 6: Supplementary requirements for fuse-links for the protection of solar photovoltaic energy systems
Solar PV Roof Mounting Structure	
IS 2062/IS 4759/AA6063 T6	Material for the structure mounting
Surge Arrestors	
BFC 17-102:2011/ NFC 102:2011/ IEC 62305	Lightening Protection Standard
IEC 60364-5-53/ IS 15086-5 (SPD) IEC 61643- 11:2011	Electrical installations of buildings - Part 5-53: Selection and erection of electrical equipment - Isolation, switching and control Low-voltage surge protective devices - Part 11: Surge protective devices connected to low-voltage power systems - Requirements and test methods
Cables	
IEC 60227/IS 694, IEC 60502/IS 1554 (Part 1& 2)/ IEC69947 (as applicable)	General test and measuring method for PVC (Polyvinyl chloride) insulated cables (for working voltages up to and including 1100 V, and UV resistant for outdoor installation)
BS EN 50618	Electric cables for photovoltaic systems (BT(DE/NOT)258), mainly for DC Cables
Earthing /Lightning	
IEC 62561/IEC 60634 Series (Chemical earthing) (as applicable)	IEC 62561-1: Lightning protection system components (LPSC) - Part: Requirements for connection components IEC 62561-2: Lightning protection system components (LPSC) – Part 2: Requirements for conductors and earth electrodes IEC 62561-7: Lightning protection system components (LPSC) - Part 7: Requirements for earthing enhancing compounds
Junction Boxes	
IEC 60529	Junction boxes and solar panel terminal boxes shall be of the thermo-plastic type with IP 65 or better protection for outdoor use, and IP 54 or better protection for indoor use

Price-Bid Sample (Not be submitted in hard copy) Tender Inviting Authority: Chhattisgarh State Renewable Energy Development Agency			
Name of Work: Implementation of 1.3MWp {2X650kWp(DC)/2X500kW(AC)} Grid Connected Rooftop Solar Power Plant at Late Shri Lakhi Ram Agrawal Memorial Medical College Building & Late Shri Lakhi Ram Agrawal Memorial Hospital Building, Raigarh, Chhattisgarh under RESCO Model on Net-Metering Basis.			
S. No.	Particulars (Site)	Capacity (in kWp)	Fixed Tariff (INR /kWh)
1	2	3	4
1	Grid Connected Rooftop Solar Power Plant at at Late Shri Lakhi Ram Agrawal Memorial Medical College Building & Late Shri Lakhi Ram Agrawal Memorial Hospital Building, Raigarh , Chhattisgarh	1.3MWp {2X650kWp(DC)/2X500kW(AC)} kWp	

Notes:

The bidder has to submit the Fixed tariff only in prescribed format of Electronic Form under financial bid at CREDA Web Portal. Any offline submission shall be treated as non-responsive and shall be summarily rejected. The above format is only a sample format not to be filled & submitted under technical bid.

The applicable per unit charges of electricity for the PSA shall be the rate discovered by the CREDA for RESCO arrangement should be inclusive of 3% administrative overhead for the CREDA for its role as an aggregator, exclusive of taxes.

PART – VIII
SAMPLE
FORMATS &
ANNEXURES

FORMATS FOR BID SUBMISSION

The following formats are required to be submitted as part of the RfS. These formats are designed to demonstrate the Bidder's compliance with the Qualification Requirements set forth in Part – IV and other submission requirements specified in the RfS.

- i) Format of Covering Letter (Format 8.1)
- ii) Format of General Particulars of Bidder (Format 8.2)
- iii) Format for Power of Attorney (Format 8.3)
- iv) Format for Performance Bank Guarantee (PBG) (Format 8.3 A)
- v) Format for Board Resolutions (Format 8.4)
- vi) Format for Financial Requirement (Format 8.5)
- vii) Format for Disclosure (Format 8.6)
- viii) Format for submission of Financial Bid
- ix) Check List for Bank Guarantees (Annexure-A)
- x) Reference Bidders' Declaration Format associated with Implementation of ALMM Order (Annexure B)
- xi) Project Completion Report for Grid-Connected Rooftop (Annexure C)
- xii) Intimation to DISCOM for implementation of Grid connected Roof Top Solar PV Plant under Scheme (Annexure D)
- xiii) Conflict of Interest (Annexure E)
- xiv) Format for Agreement (Annexure F)

Format 8.1

COVERING LETTER

(The Covering Letter should be submitted on the Letter Head of the Bidding Company)

Ref.No. _____

Date: _____

From: _____(Insert name and address of Bidding Company)

Tel. #:

Fax #:

E-mail
address#

To

Executive Engineer,
Tender Cell, H.O. CREDA,
Raipur - 492015 (C.G.)
Phone (No.): 91-8370009923
E-mail : credatendercell@gmail.com
Website: www.creda.co.in

Sub: Response to RfS No. 174240 Dated 22.08.2025 for Implementation of 1.3MWp {2X650kWp(DC)/2X500kW(AC)} at Late Shri Lakhi Ram Agrawal Memorial Medical College Building & Late Shri Lakhi Ram Agrawal Memorial Hospital Building, Raigarh, Chhattisgarh Grid Connected Rooftop Solar Power Plant under RESCO Model on Net-metering Basis.

Dear Sir/ Madam,

We, the undersigned [insert name of the 'Bidder'] having read, examined and understood in detail the RfS including Qualification Requirements in particular, terms and conditions of the RfS for supply of power for 25 years to Late Shri Lakhi Ram Agrawal Memorial Medical College Building & Late Shri Lakhi Ram Agrawal Memorial Hospital Building, Raigarh./ institution owner, hereby submit our response to RfS.

We confirm that in response to the aforesaid RfS, neither we nor any of our Ultimate Parent Company/ Parent Company/ Affiliate/ Group Company has submitted response to RfS other than this response to RfS, directly or indirectly, in response to the aforesaid RfS (as mentioned in Format 8.6 under Disclosure). We also confirm that we including our Ultimate Parent Company/ Parent Company/ Affiliate/ Group Companies directly or indirectly have not submitted more than one response to RfS, including this response to RfS.

We are submitting RfS for the development of 1.3MWp {2X650kWp(DC)/2X500kW(AC)}

1. We give our unconditional acceptance to the RfS, dated *[Insert date in dd/mm/yyyy]*, RfS documents attached thereto, issued by CREDA. In token of our acceptance to the RfS, RfS documents along with the amendments and clarifications issued by CREDA, the same have been digitally signed by us and enclosed with the response to RfS. We shall ensure that the agreement is executed as per the provisions of the RfS and provisions of Agreement shall be binding on us. Further, we confirm that the Project shall be commissioned within 12 months from signing of agreement with CREDA.
2. We hereby declare that in the event our firm selected and we are not able to submit Bank Guarantee of the requisite value(s) towards PBG, within due time as mentioned in ITB of this RfS on issue of LoA by CREDA for the allocated capacity and/ or we are not able to sign agreement with CREDA within 30 days of issue of LoA by CREDA for the allocated capacity, CREDA shall have the right to take action as mentioned in Bid.
3. We have submitted our response to RfS strictly as per Part – VIII (Sample Forms and Formats) of this RfS, without any deviations, conditions and without mentioning any assumptions or notes in the said Formats.
4. Acceptance: -
We hereby unconditionally and irrevocably agree and accept that the decision made by CREDA in respect of any matter regarding or arising out of the RfS shall be binding on us. We hereby expressly waive and withdraw any deviations and all claims in respect of this process.
5. Familiarity with Relevant Indian Laws & Regulations: -
We confirm that we have studied the provisions of the relevant Indian Laws and Regulations as required to enable us to submit this response to RfS and execute the allocated capacity, in the event of our selection as Successful Bidder.
6. In case of our selection as the Successful bidder under the scheme and the project being executed by a Special Purpose Vehicle (SPV) incorporated by us which shall be our 100% subsidiary, we shall infuse necessary equity to the requirements of RfS. Further we will submit a Board Resolution prior to signing of Agreement with CREDA, committing total equity infusion in the SPV as per the provisions of RfS.
7. We are submitting our response to the RfS with formats duly signed as desired by you in the RfS online for your consideration.

8. It is confirmed that our response to the RfS is consistent with all the requirements of submission as stated in the RfS, including all clarifications and amendments and subsequent communications from CREDA.
9. The information submitted in our response to the RfS is correct to the best of our knowledge and understanding. We would be solely responsible for any errors or omissions in our response to the RfS.
10. We confirm that all the terms and conditions of our Bid are valid up to _____ (In *sert date in dd/mm/yyyy*) for acceptance [i.e. a period of 180 (One Hundred Eighty) Days from the last date of submission of response to RfS].
11. Contact Person
Details of the representative to be contacted by CREDA are furnished as under:
Name :
Designation :
Company :
Address :
Phone Nos. :
Mobile Nos. :
Fax Nos. :
E-mail address :
12. We have neither made any statement nor provided any information in this Bid, which to the best of our knowledge is materially inaccurate or misleading. Further, all the confirmations, declarations and representations made in our Bid are true and accurate. In case this is found to be incorrect after our selection as Successful Bidder, we agree that the same would be treated as a Seller's event of default under consequent provisions of RfS shall apply.

Dated the _____ day of _____, 20....

Thanking you,

We remain,

Yours faithfully,

Name, Designation, Seal and Signature of Authorized Person in whose name Power of Attorney/
Board Resolution/ Declaration.

Format 8.2**GENERAL PARTICULARS OF THE BIDDER**

S.No	Particulars	Details
	Name of the Company	
	Registered Office Address	
	Address of Bidder	
	E-mail	
	Web site	
	Authorized Contact Person(s) with name, designation Address and Mobile Phone No., E-mail address/ Fax No. to whom all references shall be made	
	Year of Incorporation	
	Have the bidder/Company ever been debarred By any Govt. Dept. / Undertaking for undertaking any work.	
	Bank Details (Name, Account No, IFSC Code)	
	Reference of any document information attached by the Bidder other than specified in the RfS.	
	PAN No. (enclosed a copy)	
	Whether the Bidder wishes to form a Project Company for execution of work	Yes/No
	GST Address	
	GST ID (enclosed a copy)	
	Bidding company is listed in India	Yes/No
	Details of the Ownership structure (Details of persons owning 10% or more of the Total Paid up equity of the Bidding Company in the Format as below	
	Whether company is MSME as on the bidding date	Yes/No

(Signature of Authorized Signatory)**With Stamp**

Format 8.3**POWER OF ATTORNEY**

(To be on non-judicial of minimum Rs. 1000/- stamp paper of appropriate value as per Stamp Act relevant to place of execution.)

(a) Power of Attorney to be provided by the Bidding Company in favour of its representative as evidence of authorized signatory's authority.

Know all men by these presents, We
 (na
 me and address of the registered office of the Bidding Company as applicable) do hereby constitute,
 appoint and authorize Mr./Ms
 (na
 me & residential address) who is presently
 employed with us and holding the position of..... as
 our true and lawful attorney, to do in our name and on our behalf, all such acts, deeds and things
 necessary in connection with or incidental to submission of our Bid for implementation of grid
 connected Roof top solar PV scheme in the State in response to the RfS No. 174240 dated
 22.08.2025 issued by Chhattisgarh State Renewable Energy Development Agency (CREDA), Raipur
 including signing and submission of the Bid and all other documents related to the Bid, including but
 not limited to undertakings, letters, certificates, acceptances, clarifications, guarantees or any other
 document which the CREDA may require us to submit. The aforesaid Attorney is further authorized for
 making representations to the Chhattisgarh State Renewable Energy Development Agency, Raipur and
 providing information / responses to CREDA, Raipur representing us in all matters before CREDA,
 Raipur and generally dealing with CREDA, Raipur in all matters in connection with Bid till the
 completion of the bidding process as per the terms of the above mentioned RfS.

We hereby agree to ratify all acts, deeds and things done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall be binding on us and shall always be deemed to have been done by us.

All the terms used herein but not defined shall have the meaning ascribed to such terms under the RfS.

Signed by the within named

..... (Insert the name of the executant company)
 through the hand of **Mr.** duly authorized by the
 Board to issue such Power of Attorney Dated this day of
 Accepted.....

Signature of Attorney

(Name, designation and address of the Attorney) Attested

.....

 (Signature of the executant)

(Name, designation and address of the executant)

.....

Signature and stamp of Notary of the place of execution

Common seal ofhas been affixed in my/our presence pursuant to
Board of

Director's Resolution dated.....

WITNESS

1. (Signature)

Name.....

Designation

2. (Signature)

Name.....

Designation

Notes:

The mode of execution of the power of attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and the same should be under common seal of the executant affixed in accordance with the applicable procedure. Further, the person whose signatures are to be provided on the power of attorney shall be duly authorized by the executant(s) in this regard.

The person authorized under this Power of Attorney, in the case of the Bidding Company / Lead Member being a public company, or a private company which is a subsidiary of a public company, in terms of the Companies Act, 1956, with a paid up share capital of more than Rupees Five crores, should be the Managing Director / whole time director/manager appointed under section 269 of the Companies Act, 1956. In all other cases the person authorized should be a director duly authorized by a board resolution duly passed by the Company.

Also, wherever required, the executant(s) should submit for verification the extract of the chartered documents and documents such as a Board resolution / power of attorney, in favour of the person executing this power of attorney for delegation of power hereunder on behalf of the executant(s).

FORMAT FOR PERFORMANCE BANK GUARANTEE (PBG)

(To be stamped in accordance with Stamp Act, the Non-Judicial Stamp Paper of Appropriate Value)

Reference: Bank Guarantee No.:

Date:

In consideration of the _____ [Insert name of the Bidder] (hereinafter referred to as 'selected RESCO Developer') submitting the response to RfS inter alia for selection of the Project in _____ [at Late Shri Lakhi Ram Agrawal Memorial Medical College Building & Late Shri Lakhi Ram Agrawal Memorial Hospital Building, Raigarh, Chhattisgarh], Chhattisgarh State, India of the capacity of MW, at

... [Insert name of the place], for supply of power there from on long term basis, in response to the RfS dated..... issued by Chhattisgarh State Renewable Energy Development Agency (hereinafter referred to as CREDA) and CREDA considering such response to the RfS of [Insert name of the Bidder] (which expression shall unless repugnant to the context or meaning thereof include its executors, administrators, successors and assignees) and selecting the Solar Power Project of the RESCO Developer and issuing Letter of Award No _____ to _____ (Insert Name of selected RESCO Developer) as per terms of RfS and the same having been accepted by the selected RESCO DEVELOPER resulting in an agreement with CREDA, for execution of allocated capacity. [from selected RESCO Developer or a Project Company, M/s _____ {a Special Purpose Vehicle (SPV) formed for this purpose}, if applicable].

As per the terms of the RfS, the _____ [Insert name & address of Bank] hereby agrees unequivocally, irrevocably and unconditionally to pay to CREDA at [Insert Name of the Place from the address of the CREDA] forthwith on demand in writing from CREDA or any Officer authorised by it in this behalf, any amount up to and not exceeding Indian Rupees _____ [Total Value] only, on behalf of M/s _____ [Insert name of the selected RESCO Developer/ Project Company]

This guarantee shall be valid and binding on this Bank up to and including..... And shall not be terminable by notice or any change in the constitution of the Bank or the term of contract or by any other reasons whatsoever and our liability hereunder shall not be impaired or discharged by any extension of time or variations or alternations made, given, or agreed with or without our knowledge or consent, by or between parties to the respective agreement.

Our liability under this Guarantee is restricted to INR _____ (Indian Rupees _____ Only).

Our Guarantee shall remain in force until CREDA shall be entitled to invoke this Guarantee till

The Guarantor Bank hereby agrees and acknowledges that CREDA shall have a right to invoke this BANK GUARANTEE in part or in full, as it may deem fit.

The Guarantor Bank hereby expressly agrees that it shall not require any proof in addition to the written demand by CREDA, made in any format, raised at the above mentioned address of the Guarantor Bank, in order to make the said payment to CREDA.

The Guarantor Bank shall make payment hereunder on first demand without restriction or conditions and notwithstanding any objection by _____ [Insert name of the selected RESCO Developer/ Project Company as applicable] and/or any other person. The Guarantor Bank shall not require CREDA to justify the invocation of this BANK GUARANTEE, nor shall the Guarantor Bank have any recourse against CREDA in respect of any payment made hereunder

This BANK GUARANTEE shall be interpreted in accordance with the laws of India and the courts at Raipur shall have exclusive jurisdiction.

The Guarantor Bank represents that this BANK GUARANTEE has been established in such form and with such content that it is fully enforceable in accordance with its terms as against the Guarantor Bank in the manner provided herein.

This BANK GUARANTEE shall not be affected in any manner by reason of merger, amalgamation, restructuring or any other change in the constitution of the Guarantor Bank.

This BANK GUARANTEE shall be a primary obligation of the Guarantor Bank and accordingly CREDA shall not be obliged before enforcing this BANK GUARANTEE to take any action in any court or arbitral proceedings against the selected RESCO Developer/ Project Company, to make any claim against or any demand on the selected RESCO Developer/ Project Company or to give any notice to the selected RESCO Developer/ Project Company or to enforce any security held by CREDA or to exercise, levy or enforce any distress, diligence or other process against the selected RESCO Developer / Project Company.

This BANK GUARANTEE shall be effective only when the Bank Guarantee issuance message is transmitted by the issuing Bank confirmation in this regard is received by CREDA.

This BANK GUARANTEE shall be effective only when the Bank Guarantee issuance message is transmitted by the issuing Bank and a confirmation in this regard is received by CREDA.

Notwithstanding anything contained hereinabove, our liability under this Guarantee is restricted to INR _____ (Indian Rupees _____ Only) and it shall remain in force until We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only if CREDA serves upon us a written claim or demand. Signature: _____

Name: _____

Power of Attorney No.: _____

For
_____ *[Insert Name and Address of the Bank]* _____

Contact Details of the Bank:

E-mail ID of the Bank:
Banker’s Stamp and Full Address.

Dated this _____ day of _____, 20____
Witness:
1.

Signature
Name and Address

2.

Signature
Name and Address

Notes:
1. The Stamp Paper should be in the name of the Executing Bank and of appropriate value.

FORMAT FOR BOARD RESOLUTIONS

The Board, after discussion, at the duly convened Meeting on[Insert date], with the consent of all the Directors present and in compliance of the provisions of the Companies Act, 1956 or Companies Act 2013, as applicable, passed the following Resolution:

1. RESOLVED THAT Mr/ Ms , be and is hereby authorized to do on our behalf, all such acts, deeds and things necessary in connection with or incidental to our response to RfS, vide RfS No. 174240 for “**Implementation of 1.3MWp {2X650kWp(DC)/2X500kW(AC)} Grid Connected Rooftop Solar Power Plant at Late Shri Lakhi Ram Agrawal Memorial Medical College Building & Late Shri Lakhi Ram Agrawal Memorial Hospital Building, Raigarh, Chhattisgarh under RESCO Model on Net-metering Basis** including signing and submission of all documents and providing information/ response to RfS to Chhattisgarh State Renewable Energy Development Agency (CREDA), representing us in all matters before CREDA, and generally dealing with CREDA in all matters in connection with our bid for the said Project. **FURTHER RESOLVED THAT** pursuant to the provisions of the Companies Act, 1956 or Companies Act, 2013, as applicable and compliance thereof and as permitted under the Memorandum and Articles of Association of the Company, approval of the Board be and is hereby accorded to invest total equity in the Project. *(To be provided by the Bidding Company)*

FURTHER RESOLVED THAT pursuant to the provisions of the Companies Act, 1956 or Companies Act, 2013, as applicable and compliance thereof and as permitted under the Memorandum and Articles of Association of the Company, approval of the Board be and is hereby accorded to invest (%) equity in the Project.

3. NOT USED

Certified True Copy

(Signature, Name and Stamp of Company Secretary) Notes:

- 1) This certified true copy should be submitted on the letterhead of the Company, signed by the Company Secretary/ Director.
- 2) The contents of the format may be suitably re-worded indicating the identity of the entity passing the resolution.
- 3) This format may be modified only to the limited extent required to comply with the local regulations and laws applicable to a foreign entity submitting this resolution. For example, reference to Companies Act, 1956 or Companies Act, 2013 as applicable may be suitably modified to refer to the law applicable to the entity submitting the resolution. However, in such case, the foreign entity shall submit an unqualified opinion issued by the legal counsel of such foreign entity, stating that the Board resolutions are in compliance with the applicable laws of the respective jurisdictions of the issuing Company and the authorizations granted therein are true and valid.

Format 8.5**FINANCIAL ELIGIBILITY CRITERIA REQUIREMENT (AS PER CLAUSE 2 of Part-IV)*****(To be submitted on the letterhead of Bidding Company)***

To,

.....

.....

Sub: Implementation of 1.3MWp {2X650kWp(DC)/2X500kW(AC)} kW Grid Connected Rooftop Solar Power Plant At Late Shri Lakhi Ram Agrawal Memorial Medical College Building & Late Shri Lakhi Ram Agrawal Memorial Hospital Building, Raigarh, Chhattisgarh under RESCO Model on Net-Metering Basis.

RFS No: 174240

Dear Sir,

We submit our Bid/Bids for the total capacity ofMW for which details of our Financial Eligibility Criteria Requirements are as follows.

We certify that the Financially Evaluated Entity(ies) had an Annual Turnover as follows:

Net worth (strike out whichever is not applicable) of RsCrore as per criteria mentioned in **Clause 2 of part-iv** of this RFS based on unconsolidated audited annual accounts (refer Note-1 below) any of the last 3 Years immediately preceding the Bid Deadline.

Name of Financially Evaluated Entity*	Relationship with Bidding Company**	Financial year	Year of Incorporation	Annual Turnover (Rs.In Crore)	Net worth as per Clause 2 Part IV (in Rs. Crore)

* The Financially Evaluated Entity may be the Bidding Company itself.

** The column for "Relationship with Bidding Company" is to be filled in only in case financial capability of Parent Company and/or Affiliate has been used for meeting Qualification Requirements.

Yours faithfully

(Signature and stamp (on each page) of Authorized Signatory of Bidding Company.

Name:

Date:

Place:

(Signature and stamp (on each page) of Chartered Accountant/Statutory Auditors of Bidding Company.

Name:

Date:

Place:

Notes:

- i. Audited consolidated annual accounts of the Bidder may also be used for the purpose of financial criteria provided the Bidder has at least 26% equity in each company whose accounts are merged in the audited consolidated accounts and provided further that the financial capability of such companies (of which accounts are being merged in the consolidated accounts) shall not be considered again for the purpose of evaluation of the Bid.*

FORMAT FOR DISCLOSURE

(This should be submitted on the Letter Head of the Bidding Company)

DISCLOSURE

Ref.No. _____

Date: _____

From: _____ (Insert name and address of Bidding Company)

Tel.#: _____

Fax#: _____

E-mail address# _____

To

Executive Engineer,
Tender Cell, H.O. CREDA,
Raipur - 492015 (C.G.)
Phone (No.): 91-8370009923
E-mail : credatendercell@gmail.com Website: www.creda.co.in

Sub: Response to RfS No. 174240 dated 22.08.2025 For Selection of RESCO Developers for Implementation of 1.3MWp {2X650kWp(DC)/2X500kW(AC)} Grid Connected Rooftop Solar Power Plant at Late Shri Lakhi Ram Agrawal Memorial Medical College Building & Late Shri Lakhi Ram Agrawal Memorial Hospital Building, Raigarh, Chhattisgarh under RESCO Model on Net-metering Basis.

Dear Sir/ Madam,

We hereby declare and confirm that only we are participating in the RfS Selection process for the RfS No. 174240 and that our Parent, Affiliate or Ultimate Parent or any Group Company with which we have direct or indirect relationship are not separately participating in this selection process.

We further declare that the above statement is true & correct. We are aware that if at any stage it is found to be incorrect, our response to RfS will be rejected and if LoA has been issued or agreement with CREDA has been signed, the same will be cancelled and the bank guarantees will be encashed and recoveries will be effected for the payments done.

Dated the _____ day of _____, 20....

Thanking you, We remain, Yours faithfully,

Name, Designation, Seal and Signature of Authorized Person in whose name Power of Attorney/ Board Resolution/ Declaration.

Annexure – A**CHECK LIST FOR BANK GUARANTEE**

Sl. No.	Details of Checks	Yes/ No
1.	Is the BG on non-judicial Stamp paper of appropriate value, as per applicable Stamp Act of the place of execution	
2.	Whether date, purpose of purchase of stamp paper and name of the purchaser are indicated on the back of Stamp Paper under the Signature of Stamp vendor? (The date of purchase of stamp paper should be not later than the date of execution of BG and the stamp paper should be purchased either in the name of the executing Bank or the party on whose behalf the BG has been issued.	
3.	In case of BGs from Banks abroad, has the BG been executed on Letter Head of the Bank endorsed by the Indian branch of the same bank or SBI, India?	
4.	Has the executing Officer of BG indicated his name, designation and Power of Attorney No./Signing Power no. on the BG?	
5.	Is each page of BG duly signed/ initialed by executants and whether stamp of Bank is affixed thereon? Whether the last page is signed with full particulars including two witnesses under seal of Bank as required in the prescribed proforma?	
6.	Do the Bank Guarantees compare verbatim with the Proforma prescribed in the Bid Documents?	
7.	Are the factual details such as Bid Document No./Specification No./LoA No.(if applicable)/Amount of BG and Validity of BG correctly mentioned in the BG	
8.	Whether overwriting/cutting, if any, on the BG have been properly authenticated under signature & seal of executant?	
9.	Whether the BG has been issued by a Bank in line with the provisions of Bidding documents?	
10.	In case BG has been issued by a Bank other than those specified in Bidding Document, is the BG confirmed by a Bank in India acceptable as per Bidding documents?	

Annexure B

Reference Bidders' Declaration Format associated with Implementation of ALMM Order

(on the letter head of the bidder) Declaration

To whomsoever this may concern

Reference: (RFS no. and description)

1. We hereby declare that we are fully aware of the binding provisions of the ALMM order and the Lists there under, while quoting the rate in the tender no. [*tender number*] floated by [name if tendering authority]
2. We understand that the List – I (Solar PV Modules) of ALMM Order, Annexure – I (Revision- XXVI) of the O M, issued by MNRE on 08th July 2024 will be updated by MNRE from time to time. We also understand that the Modules to be procured for this project, shall be from the List – I of the ALMM order applicable on the date of invoicing of such modules.
3. We further understand and accept that we shall be liable for penal action, including but not limited to blacklisting and invocation of Performance Bank Guarantee, if we are found not complying with the provisions of ALMM Order, including those mentioned above.

Name:

Designation:

Organization:

Date:

(Signature and Stamp)

Annexure C

Project Completion Report for Grid-Connected Rooftop			
Financial year * :			
Approval No. * :			
Proposal Title :			
Installed by agency :			
Project initiated by :			
Title of the Project* :		SPV Capacity (kWp)*:	
Category of the organization / beneficiary* :		Name of the contact person* :	
Address of contact person* :			
State* :		District/City* :	
Mobile* :		Email* :	
Telephone No. :	STD code-	Website :	
Other info			
Electricity Distribution Company Name :			
Electricity consumer account no. as per electricity bill :		as on Date :	
Bank Details of Beneficiary			
Name of A/c holder :			
Name of Bank :			
Name of Branch and Address :			
Bank IFSC Code :			
9 Digit MICR Code :			
Type of Account :			
Account No. :			
Adhar Card Number :			
Technology Description & System Design /Specification			
(Compliance to BIS/IEC Standards is mandatory)			
1. Module			
Capacity/Power of each PV Module(Wp)* :	1. Capacity/Power 2. Capacity/Power		1. Nos: 2. Nos:
Cumulative Capacity of Modules(KWp):			
Solar cell technology :			
Module efficiency (in Percentage) :			
2. Inverters			
Type of inverter :			
Make of inverter :			
Capacity/Power of each PCU/inverters (VA)* :	Capacity/Power Nos.		

Capacity/Power of PCU/inverters (KVA) :			
Inverter efficiency (Full load) (in percentage):			
3. Metering Arrangement			
Details of Metering			
Type of Meter* :			
Make of Meter :			
5. Other information			
Units of electricity generated by the solar plant as per meter (in KWh):			
Monitoring Mechanism :			
No. of personnel to be trained in O&M :			
Task & Expected Schedule (in Months) :			
Grid connectivity level			
Grid connectivity level phase* :		Grid connectivity level Voltage* :	
Costing of Project			
Hardware cost :	Rs.	Total Cost of Installation :	Rs.
Means of Finance			
Envisaged Central Financial Assistance from MNRE*	Rs.		
Incentive from states if any	Rs.		
Contribution of Beneficiaries*	Rs.		
Other Source (s) of Funding	Rs.		

Annexure D

INTIMATION TO DISCOM FOR IMPLEMENTATION OF GRID CONNECTED ROOFTOP SOLAR PV PLANT UNDER SCHEME

Date:

To, _____

(Designated Officer, DISCOM)

1.	Name of RESCO DEVELOPER	
2	Name of the Consumer*	
Site Details*		
3	Address of the Rooftop Project Site.*	H No:
		Street Name:
		Village Name:
		District Name:
		State:
		Pin Code:
4	Phone / Mobile no. *	
5	Email Id:	
6	Electricity Consumer No. *	
7	Category (Please) *	☐ Residential Commercial Industrial ☐ Educational Government Specify
8	Installed Plant Capacity (kWp)*	
9	Connected load (kVA)*	
10	Voltage level at interconnection*	☐ 415 V ☐ 11 kV ☐ above 11 kV
11	Nearest Transformer Details	Location: Capacity:
12	Details of Inverter with Anti-Islanding Protection*	Make: Capacity:
	Phase (Φ): (Please)	☐ Single phase 3-Phase
	Galvanic Isolation (Please)	☐ Inverter
14	Both AC and DC components of the SPV power plants Earthed*: ☐	
15	CEIG Inspection required*	☐ Yes ☐ No
16	If, Yes, Inspection date * (Attach copy of CEIG Certificate)	
18	Bank Account details	Account No. Bank Branch
19	Date of Grid Synchronization*	
20.	Net metering and grid connectivity	Applied on:
21.	(Attach acknowledgment from DISCOM, if received)	Fees Deposited On:

* to be provided mandatorily

It is certified that the information furnished above is true to the best of my knowledge.

Authorized Signatory of Consumer

Copy To:

Engineer In-charge, Chhattisgarh State Renewable Energy Development Agency, Raipur.

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 Rfs No.: 174240/CREDA/GCSRT/RESCO/SLAGMC/2025-26 Date: 22.08.2025 issued by Chhattisgarh State Renewable Energy Development Agency (CREDA) (authority inviting bids) for Survey, Capacity assessment, Design, supply, erection, testing and commissioning including warranty, operation & maintenance for 25 years above 1.3MWp {2X650kWp(DC)/2X500kW(AC)} Grid Connected Roof Top Solar PV System at **Late Shri Lakhi Ram Agrawal Memorial Medical College Building & Late Shri Lakhi Ram Agrawal Memorial Hospital Building, Raigarh, Chhattisgarh** under RESCO Model on Net-metering basis., (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 of my knowledge and believe and are based on my/our record.

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

Deponent

FORMAT FOR AGREEMENT***(To be executed by Successful Bidder for Execution of Work on non-judicial stamp paper of INR 100/-)***

This agreement is signed on this ---- (day)----- of ----(month)---- of ----(year) at RAIPUR between M/s----- (here-in-after called as “Party No 1”), and Chhattisgarh State Renewable Energy Development Agency (CREDA), Raipur (here-in-after called as “Party No.2”), on the following terms and conditions:

That, the “Party No.1” has agreed to Execute Work as per Scope, Specifications and all terms and conditions mentioned in the Rfs No: 174240 Dated: 22.08.2025 issued by “Party No.2”.

That, the “Party No.1” has also agreed to execute work of Survey, Capacity assessment, Design, supply, erection, testing and commissioning including warranty, operation & maintenance for 25 years 1.3MWp {2X650kWp(DC)/2X500kW(AC)} Grid Connected Roof Top Solar PV System at Late Shri Lakhi Ram Agrawal Memorial Medical College Building & Late Shri Lakhi Ram Agrawal Memorial Hospital Building, Raigarh, Chhattisgarh State under RESCO Model on Net-metering basis, specifications and all terms and conditions mentioned in RFS No: 174240

Dated: ... and as per CSERC Regulation,2019

issued by “Party No.2”, on the rates already accepted / agreed upon as mentioned in the annexed “Financial Bid” sheet, on standardized rates.

That, the rates shown in the Financial Bid sheet(s) enclosed are valid up to ____-____-20____.

That, all terms and conditions, scope of work and specifications mentioned in RFS No: Dated:

..... issued by “Party No.2”, which have been agreed upon and also the condition(s) contained in the correspondence(s) made in this matter will also form part of this Agreement.

That all the terms and conditions of the Agreement for twenty-five (25) Operational Years Comprehensive O&M shall form part of this agreement.

That, in the event of any dispute or difference whatsoever arising under this Agreement, the same shall be referred to arbitrator which shall be as per the provisions of the Indian Arbitration Act, 1996 and the Rule(s) there under. All the proceedings under arbitration will take place in Raipur. The award in such arbitration shall be final and binding on both the parties. In this case, the arbitrator shall be Chief Executive Officer, Chhattisgarh State Renewable Energy Development Agency (CREDA), Raipur (CG)

The agreement will be valid up to ____-____-20 The validity period may be extended further with the Mutual Consent on unchanged Terms & Condition(s), Specification(s) and Rate(s) up to one Year.

For, the matter(s) of any dispute between the “Party No.1” and “Party No.2” shall be subjected to Raipur jurisdiction.

That, this agreement executed between the parties who affix their signatures at Raipur, in witness whereof the parties hereto have signed the agreement:

Witnesses;

Party No.1

1.

Party No.2

2.

END