



Request for Selection (RfS) Document

For

Selection of Solar Power Developers for Setting up of 500 MW of Grid Connected Rooftop Solar PV Project on Government / Semi-Government Buildings & other Institutions in Uttar Pradesh under RESCO Model on Net metering Basis through Tariff Based Competitive Bidding.

RfS No:- UPNEDA/NIT/RESCO-500MW-GCRT-Govt.Building/2025-26

Dated: 17-04-2025

Issued by

**Uttar Pradesh New & Renewable Energy Development Agency
(UPNEDA)**

(Dept. of Additional Sources of Energy, Govt. of U.P.)

Vibhuti Khand, Gomti Nagar,

Lucknow, U.P. - 226010

Website : www.upneda.org.in E-mail : ho_ajay@rediffmail.com

Table of Contents

1.0 DEFINITIONS & ABBREVIATIONS.....	6
2.0 INVITATION FOR BIDS	12
3.0 INSTRUCTIONS TO BIDDERS.....	19
4.0 QUALIFYING REQUIREMENTS FOR BIDDERS.....	39
5.0 BID EVALUATION AND SELECTION OF DEVELOPER.....	45
6.0 GENERAL CONDITIONS OF CONTRACT	52
7.0 SCOPE OF WORK & TECHNICAL SPECIFICATIONS.....	63
8.0 SAMPLE FORMATS & ANNEXURES.....	79

Implementation of 500 MW Grid Connected Rooftop Solar Power Plant in Government / Semi-Government Buildings & Industries/Institutions under the ambit of UPSIDA in Uttar Pradesh under RESCO Model on Net-Metering/Net-billing Basis.

BID INFORMATION SHEET

e-tender Notice

RfS No: UPNEDA/NIT/RESCO-500MW-GCRT-Govt.Building/2025-26, Dated: 17-04-2025

Uttar Pradesh New and Renewable Energy Development Agency, (UPNEDA)
(Dept. of Additional Sources of Energy, Govt. of U.P.)
Vibhuti Khand, Gomti Nagar, Lucknow
Tele/Fax: 0522-2720779, 2720829

Website: www.upneda.org.in **E-Mail:** ho_ajay@rediffmail.com

UPNEDA invites Online Bids from Prospective Bidders through e-tendering for **Design, Engineering, supply, erection, testing and commissioning including warranty, operation & maintenance for 25 years for above 1 kWp to 2000 kWp Grid Connected Roof Top Solar PV System for Government/Semi-Government Buildings & Industries/Institutions under the ambit of UPSIDA at different locations in Uttar Pradesh under RESCO Model on Net-metering/Net-billing basis.**

The tariff will be applicable to all the technically qualified firms who wish to provide their services on the lowest quoted prices which are received under this offer. The selected firms will have the opportunity to execute the projects for which the sites can be identified by the firms or on the sites allocated by UPNEDA under the Grid Interactive Roof top Solar Power Plants in accordance with technical specification. The tender document is available at ISN-ETS Portal www.bharat-electronictender.com & UPNEDA website www.upneda.org.in. Interested bidders may view, download the e-Bid document, seek clarification and submit their e-Bid online up to the date and time mentioned in the table below:

(a)	Availability of tender document on Portal	17-04-2025
(b)	Pre-Bid conference	29-04-2025 at 12:30 pm at UPNEDA Head Office, Vibhuti Khand, Gomti Nagar, Lucknow-226010
(c)	e-Bid submission end date & Time	16-05-2025 upto 6:00 pm
(d)	Online technical e-Bid Opening date & time	17-05-2025 at 11:30 am
(e)	Online financial e-Bid Opening date & time (Only of technically qualified bidders)	Shall be Intimated Later
(f)	Date of e- reverse auction	Shall be Intimated Later

Implementation of 500 MW Grid Connected Rooftop Solar Power Plant in Government / Semi-Government Buildings & Industries/Institutions under the ambit of UPSIDA in Uttar Pradesh under RESCO Model on Net-Metering/Net-billing Basis.

(g)	EMD/Bid bond Details	As per RFS document
(h)	Venue of opening of technical & financial e-Bids	UPNEDA Head Office, Vibhuti Khand, Gomti Nagar, Lucknow-226010

Interested bidders have to necessarily register themselves on the portal <https://www.bharat-electronictender.com> ("ETS portal") through M/s Electronic Tender.com (India) Pvt. Limited 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 M/s Electronic Tender.com (India) Pvt. Limited, New Delhi to complete the registration formalities. A contact detail of ISN-ETS is provided below.

M/s Electronic Tender.com (India) Pvt. Ltd., 1001, DLF city court, Mehrauli-Gurgaon Road, Sector-24, Gurugram, Contact Person: ISN-ETS Support Team Customer Support: +91-124-4229071,4229072 (From 10:00 Hrs to 18:00 Hrs on all working Days i.e. Monday to Friday except Govt. Holidays) Email: support@isn-ets.com

All required documents and formalities for registering on ISN-ETS are mentioned in the subsequent RfS documents.

The bidders need to submit the proof/cost of e-Bid document fees and EMD/Bid bond as stated in the above table through Demand Draft as bid documents fees and bank guarantee as EMD/Bid bond in favour of Director Uttar Pradesh New and Renewable Energy Development Agency (UPNEDA), payable at LUCKNOW. The scanned copy of the Demand Draft and Bank guarantee must be enclosed along with the e- Bids. The original Demand Draft and bank guarantee along with enclosures duly signed by bidders and passphrase must reach the office of UPNEDA at Vibhuti Khand, Gomti Nagar Lucknow before opening date and time of technical e-Bid failing which, tender shall not be considered. Aggregate capacity mentioned as above, may increase or decrease. Director, Uttar Pradesh New and Renewable Energy Development Agency, (UPNEDA) reserves the right to reject any or all tenders without assigning any reason thereof. The decision of Director UPNEDA will be final and binding

Director, UPNEDA



PART – I

DEFINITIONS & ABBREVIATIONS

1.0 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 or a Member in a Consortium developing the Project and control means ownership, directly or indirectly, of more than 50% (fifty percent) of the voting shares of such Company or right to appoint majority Directors.
- 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 and submissions during the e-Reverse Auctions, if applicable, as part of its response to the RfS issued by UPNEDA.
- 1.5 **"BIDDER"** shall mean Bidding Company (including a foreign company) or a Bidding Consortium submitting the Bid. Any reference to the Bidder includes Bidding Company/ Bidding Consortium, Member of a Bidding Consortium including its successors, executors and permitted assigns and Lead Member of the Bidding Consortium jointly and severally, 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 **"BID BOND"** shall means financial guarantee issued by a surety company to the project owner, guaranteeing the bidder's commitment.
- 1.7 **"BIDDING CONSORTIUM" or "CONSORTIUM"** shall refer to a group of Companies that have collectively submitted the response in accordance with the provisions of this RfS under a Consortium Agreement.
- 1.8 **"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. 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, $CUF = (X \text{ MWh} / (Y \text{ MW} * 8766)) * 100\%$.
- 1.9 **"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.
- 1.10 **"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.

- 1.11 **“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.
- 1.12 **“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.
- 1.13 **“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.
- 1.14 **“CONTROLLING SHAREHOLDING”** shall mean more than 50% of the voting rights and paid-up share capital in the Company/ Consortium.
- 1.15 **“DAY”** shall mean calendar day;
- 1.16 **“EFFECTIVE DATE”** shall mean the date as on 30th day from the date of issuance of Letter of Award , ie the date on which the Power Purchase Agreement (PPA) shall be executed by both the parties;
- 1.17 **“EQUITY”** shall mean Net Worth as defined in Companies Act, 2013
- 1.18 **“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;
- 1.19 **“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 or a Member of the Consortium developing the Project;
- 1.20 **“GOVERNMENT BUILDING”** means buildings owned by Uttar Pradesh Government Departments, Semi-Government Departments and State-Owned Public Sector Undertakings (PSUs), including but not limited to Government offices, Directorates,

Commissionerate Corporations, Statutory Bodies, Autonomous Bodies, Academies, Institutions, PSUs/JVs/Companies/Societies, Hospitals, Universities, Colleges, Schools, and other similar establishments

1.21 “IEC” shall mean specifications of International Electro-Technical Commission.

1.22 “INDUSTRIES/INSTITUTIONS UNDER AMBIT OF UPSIDA” shall mean industries/institutions falls under geographical areas managed and governed by UPSIDA.

1.23 “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.

1.24 “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);

1.25 “LEAD MEMBER OF THE BIDDING CONSORTIUM” or “LEAD MEMBER”: There shall be only one Lead Member, having the shareholding of not less than 51% in the Bidding Consortium.

Note: *The shareholding of the Lead member in the Project Company (Special Purpose Vehicle) cannot be changed till 01 (one) year after the Commercial Operation Date (COD) of the Project;*

1.26 “LETTER OF AWARD” or “LoA” shall mean the letter issued by UPNEDA to the selected Bidder for award of the Project;

1.27 “LIMITED LIABILITY PARTNERSHIP” or “LLP” shall mean a Company governed by Limited Liability Partnership Act 2008 or as amended;

1.28 “LLC” shall mean Limited Liability Company;

1.29 “MEMBER IN A BIDDING CONSORTIUM” or “MEMBER” shall mean each Company in a Bidding Consortium. In case of a Technology Partner being a member in the Consortium, it has to be a Company;

1.30 “MONTH” shall mean calendar month;

1.31 “Net billing / Net feed-in”: means an arrangement using bi-directional energy meter at the point of supply where-in the energy imported from the Grid and energy exported from the Grid Interactive rooftop Solar photovoltaic system are valued at two different Tariff.

1.32 “Net billing / Net feed-in Tariff”: means the tariff for electricity supplied to the distribution licensee under the Net billing / Net feed-in arrangement, shall be same as that for the gross metering.

1.33 “NET METERING SCHEME” as defined in UPERC RSPV Regulations 2019 and its subsequent amendments thereof.

1.34 “NET METERING” as defined in UPERC RSPV Regulations 2019 and its subsequent amendments thereof.

1.35 “NET-WORTH” shall mean the Net-Worth as defined section 2 of the company Act, 2013;

1.36 “PAID-UP SHARE CAPITAL” shall mean the paid-up share capital as defined in Section 2 of the Company Act, 2013;

- 1.37 **“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 or a Member in a Consortium developing the Project;
- 1.38 **“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;
- 1.39 **“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.
- 1.40 **“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;
- 1.41 **“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;
- 1.42 **“PROJECT DEVELOPER” or “DEVELOPER” or “SOLAR POWER DEVELOPER (SPD)”** shall mean the Bidding Company or a Bidding Consortium participating in the bid and having been selected and allocated a project capacity by UPNEDA (through a competitive bidding process), {in case of the Successful Bidder/Bidding Consortium itself executing the Project}, or the SPV formed by the selected bidder/consortium for the purpose of setting up of the Project and signing of PPA with the Client Organization {in case of Project execution through SPV}.
- 1.43 **“RESCO”** shall mean Renewable Energy Service Companies.
- 1.44 **“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 construction, commissioning, ownership and operation of the Project for the entire term of the PPA at its own risk and cost.
- 1.45 **“RfS DOCUMENT”** shall mean the bidding document issued by UPNEDA including all attachments; clarifications and amendments thereof vide RfS no.-UPNEDA/NIT/RESCO-500MW-GCRT-Govt.Building/2025-26 dated 12.04.2025
- 1.46 **“SCHEDULED COMMISSIONING DATE” or “SCD”** shall be the date as indicated in Clause 7 of ITB in the RfS.
- 1.47 **“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;
- 1.48 **“SOLAR PV PROJECT”** shall mean the Solar Photo Voltaic Power Project that uses sunlight for direct conversion into electricity through Photo Voltaic Technology;

Implementation of 500 MW Grid Connected Rooftop Solar Power Plant in Government / Semi-Government Buildings & Industries/Institutions under the ambit of UPSIDA in Uttar Pradesh under RESCO Model on Net-Metering/Net-billing Basis.

- 1.49 **“TOE”** shall mean Tender Opening Event.
- 1.50 **“ULTIMATE PARENT”** shall mean a Company, which owns not less than 50% (Fifty Percent) equity either directly or indirectly in the Parent and Affiliates;
- 1.51 **“UPSIDA”** shall mean Uttar Pradesh State Industries Development Authority
- 1.52 **“WEEK”** shall mean calendar week;



PART - II

INVITATION FOR BIDS (IFB)

2.0 INVITATION FOR BIDS

FOR

Selection of Solar Power Developers for Setting up of 500 MW of Grid Connected Rooftop Solar PV Project on Government / Semi-Government Buildings & Industries/Institutions under the ambit of UPSIDA in Uttar Pradesh under RESCO Model on Net-metering/Net-billing Basis through Tariff Based Competitive Bidding.

1.0 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 U.P. Uttar Pradesh New & Renewable Energy Development Agency (UPNEDA) under the Department of additional sources of Energy, Government of Uttar Pradesh 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 **Uttar Pradesh Electricity Regulatory Authority (UPERC) RSPV regulation 2019 and its amendments thereof under net-metering/Net-billing mechanism in all consumer categories.**

As per UPERC (Rooftop Solar PV Grid Interactive System Gross/Net Metering) Regulation, 2019 (Second Amendment/Addendum) were published vide notification no. U.P.E.R.C./ Secretary/RSPV Regulations/002, dated November 17, 2023

“NET METERING SCHEME” As defined in the Uttar Pradesh Electricity Regulatory Authority (UPERC) RSPV regulation 2019 and its amendments thereof.

“NET METERING” As defined in the Uttar Pradesh Electricity Regulatory Authority (UPERC) RSPV regulation 2019 and its amendments thereof.

“NET BILLING” As defined in the Uttar Pradesh Electricity Regulatory Authority (UPERC) RSPV regulation 2019 and its amendments thereof.

If UPERC makes any amendment in RSPV regulation 2019 during installation time period, the same may be adopted by the building owner. However, for RESCO mode implementation the tariff will remain unchanged.

2.0 UPNEDA, therefore, invites sealed bids from eligible bidders to participate in Request for Selection (RfS) for Design, 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.

3.0 For the implementation of above mentioned work, Bidders should submit their bid proposal online complete in all aspect on or before Last date of Bid Submission as mentioned on the Bid Information Sheet and ISN-ETS Portal (www.bharat-electronictender.com).

4.0 Bidder shall submit bid proposal along with non-refundable tender fee and refundable EMD/Bid Bond complete in all respect as per the Bid Information Sheet. Techno-Commercial bids will be opened as per the Bid Information Sheet in online presence of authorised representatives of bidders who wish to be present online. Bid proposals received without the prescribed Tender fees and EMD/Bid Bond 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.

5.0 Bid documents which include Eligibility Criteria, Technical Specifications, various Conditions of Contract, and Formats etc. can be downloaded from UPNEDA website www.upneda.org.in for participation, the bid is to be uploaded on ISN-ETS Portal (www.bharat-electronictender.com). However, any amendment(s)/ corrigendum/ clarification(s) with respect to this Bid shall be uploaded on UPNEDA website and ISN-ETS Portal only. The Bidder should regularly check for any Amendment(s)/ Corrigendum/ Clarification(s) on the above website only.

6.0 The bidding process under this Rooftop scheme is for 500 MW comprising of RESCO Model on Net-metering/Net-billing basis. There will be only one price for all the bidders for RESCO Model on Net-metering/Net-billing (Rs. Per kWh Tariff). Hence after discovery of L-1 price matching of L-1 Price needs to be adhered. The Bidder(s) shall note that a ceiling tariff of Rs.4.85/kWh shall apply.

7.0 UPNEDA reserves the Right of Transfer of capacities among the Bidders with matching of L-1 Price as per requirement of the project.

8.0 The bidding process under this rooftop scheme is for RESCO on Net-metering/Net-billing basis for government/ Semi - government buildings only. Bidder can apply for the minimum aggregate bid capacity of 5 MW and a maximum cumulative Capacity of 500 MW.

9.0 Successful bidders are requested to visit the locations/ sites/ buildings for checking the feasibility of space including installation capacity in consultation with respective site incharge / owner. However, the entire responsibility of finding the buildings lies with the Bidder. UPNEDA shall not bear any responsibility in this regard. Successful bidders need to submit project sanction documents (PPA agreement between successful bidder and Govt. Building/ Institution Owner at the quoted tariff as per RfS and project report) for the approval of UPNEDA for issuance of project specific sanction letter(s)/Work Order. The PPA between building owner & developer shall be executed in the prescribed format which may be uploaded separately on ISN ETS Portal. However, UPNEDA shall facilitate the process and will have no responsibility whatsoever because of non -availability of indicated buildings or non-signing of Agreements for any building.

10.0 SCOPE OF WORK:

The Scope of the Work would essentially cover, but not limited to Design, Engineering, Supply, Erection, Testing, Commissioning, Warranty, and Submission of Project Proposals and JCRs to UPNEDA, ensuring Net-metering/Net-billing as per the UPERC Regulation 2019 and its amendment thereof, quality control of the 01kWp to 2000kWp 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.

11.0 Bidder(s) may also come up with their suitable/ feasible potential roof top proposals for any Government Buildings.

12.0 Based on the Bid capacity proposed by the bidder in the bid, EMD/Bid Bond shall be furnished along with the response to RfS as per Clause of Bid Information. EMD/Bid Bond shall be enclosed in a sealed envelope and shall be submitted in the office of UPNEDA (offline).

13.0 PBG amount shall be furnished by successful bidder after PPA signed and prior issuance of Work order by UPNEDA.

Successful Bidder shall furnish the Performance Security for the PPA signed capacity.

The formula applicable to calculate the PBG amount will be:

PBG amount = (Rs. 10,00,000) x PPA Signed Capacity in MW.

The Performance Guarantee shall be initially valid for a period of eighteen (18) months after signing of Power Purchase agreement. It may be noted that successful bidders shall submit the Performance Guarantee according to the Format 8.3 B.

14.0 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 (Requirement for Compulsory Registration) Order 2019 - Implementation issued vide OM NO. 283/54/2018-GRID SOLAR -Part (I) Dated 10th March 2021 and subsequent amendments and clarifications if any, shall be applicable for this RfS. The modules used in the Project under this RfS should have been included in the List-I under the above Order, 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. 283/54/2018-GRID SOLAR -Part (I) Dated 2nd June 2021.

GENERAL

15.0 The complete RfS Documents are available at ISN-ETS Portal <https://www.bharat-electronictender.com> as well as on UPNEDA website

www.upneda.org.in. Interested bidders shall download the RfS Documents from the portal <http://www.bharat-electronictender.com> as per the provisions available therein.

16.0 Interested bidders have to necessarily register themselves on the portal <https://www.bharat-electronictender.com> through M/s Electronic Tender.com (India) Pvt. Ltd 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 M/s Electronic Tender.com (India) Pvt. Limited, New Delhi to complete the registration formalities. Contact details of ISN-ETS are mentioned in the Bid. All required documents and formalities for registering on ISN-ETS are mentioned in the subsequent RfS documents.

They may obtain further information regarding this IFB from the registered office of UPNEDA at the address given in the Bid from 10:00 hours to 17:00 hours on all working days.

For proper uploading of the bids on the portal namely <https://www.bharat-electronictender.com> (hereinafter referred to as the 'portal'), it shall be the sole responsibility of the bidders to apprise themselves adequately regarding all the relevant procedures and provisions as detailed in the portal as well as by contacting M/s Electronic Tender.com (India) Pvt. Limited directly, as and when required, for which contact details are also mentioned in the Bid. UPNEDA in no case shall be responsible for any issues related to timely or properly uploading/ submission of the bid in accordance with the relevant provisions of the Bidding Documents.

17.0 While submitting/ uploading the bids, the system through portal asks to key in the pass-phrase for encryption of the documents. The pass-phrase is required by UPNEDA for opening the bids (Separate for both First Envelopes as well as Second Envelopes). **The same may be submitted on the portal as per the provisions existing for submission of the pass-phrase and as per the details given in Bid.**

In the event of not opening of the bid with the pass-phrase provided by the bidder, UPNEDA on its discretion may give an option through the portal, to the bidder to open its bid as per provisions available on the portal. However, UPNEDA shall not be responsible if bid could not be opened within reasonable time for what so ever reason. In such a case, the bid shall be sent unopened to 'Archive' on the portal and shall not be considered at all any further.

18.0 A Single Stage Two Envelope Bidding Procedure will be adopted and will proceed as detailed in the RfS Documents.

19.0 Bidders should submit their bid proposal online complete in all aspect on or before last date and time of Bid Submission as mentioned on ETS Portal <https://www.bharat-electronictender.com>, UPNEDA website www.upneda.org.in and as indicated in the Bid Information Sheet.

20.0 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 in online presence of authorised representatives of bidders who wish to be present online. Bid proposals received without the prescribed Document Fees and Earnest Money Deposit (EMD) Bank Guarantee will be rejected.

21.0 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 UPNEDA. 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 UPNEDA

Name & Address of Account Holder	Uttar Pradesh and Renewable Energy Development Agency
Bank Name	Central Bank of India
Email	Bmluck3964@centralbank.co.in
Account No	2185286335
IFSC Code	CBIN0283946
MICR Code	226016035

22.0 RfS documents which include Eligibility Criteria, Technical Specifications, various Conditions of Contract, Formats etc. can be downloaded from ETS Portal (<https://www.bharat-electronictender.com>) or from UPNEDA website (www.upneda.org.in). It is mandatory to download official copy of RfS Document from Electronic Tender System (ETS) Portal to participate in the Tender. Any amendment(s)/ corrigendum(s)/ clarification(s) with respect to this RfS shall be uploaded on ISN-ETS Portal website. The Bidder should regularly check for any Amendment(s)/ Corrigendum(s)/ Clarification(s) on the above mentioned ISN-ETS Portal website. The same may also be uploaded on UPNEDA website www.upneda.org.in also. **However, incase of any discrepancy, the information available on ISN-ETS Portal website shall prevail.**

23.0 The detailed Qualifying Requirements (QR) are given in Section-IV of RfS.

24.0 UPNEDA shall conduct e-Reverse Auction (e-RA), as per provisions of RfS documents.

25.0 UPNEDA 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.

26.0 For industries or institutions governed by the Uttar Pradesh State Industrial Development Authority (UPSIDA), the acceptance of the proposed tariff and execution of the Power Purchase Agreement (PPA) shall be contingent upon obtaining approval from UPSIDA.

INTERPRETATIONS

1. Words comprising the singular shall include the plural & vice versa.
2. An applicable law shall be construed as reference to such applicable law including its amendments or re-enactments from time to time.
3. A time of day shall save as otherwise provided in any agreement or document be construed as a reference to Indian Standard Time.
4. Different parts of this contract are to be taken as mutually explanatory and supplementary to each other and if there is any differentiation between or among the parts of this contract, they shall be interpreted in a harmonious manner so as to give effect to each part.
5. The table of contents and any headings or subheadings in the contract has been inserted for case of reference only & shall not affect the interpretation of this agreement.

Implementation of 500 MW Grid Connected Rooftop Solar Power Plant in Government / Semi-Government Buildings & Industries/Institutions under the ambit of UPSIDA in Uttar Pradesh under RESCO Model on Net-Metering/Net-billing Basis.



PART – III

INSTRUCTIONS TO BIDDERS (ITB)

3.0 INSTRUCTIONS TO BIDDERS

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 U.P. Uttar Pradesh New & Renewable Energy Development Agency (UPNEDA) under the Department of additional sources of Energy, Government of Uttar Pradesh desires to implement grid connected rooftop solar PV projects on the roofs of Government buildings/ offices as a part of its Renewable Energy Initiatives. Uttar Pradesh Electricity Regulatory Authority (UPERC) has issued RSPV Regulation 2019 and its subsequent amendments which allows net-metering/Net-billing mechanism to consumers.

The scheme aims to reduce the fossil fuel-based electricity and to reduce the carbon footprint. This scheme with aggregate capacity of 500 MW throughout U.P. envisages installation of grid-connected roof top solar PV projects. As per the survey, a total of 3.50 lakh government buildings exists in the state of Uttar Pradesh, out of which approx. 5,180 government buildings have a sanctioned load capacity of more than 25 kW. As per the government order (GO) of Uttar Pradesh, it is mandatory to install solar rooftop plants on government buildings with a sanctioned load of more than 25 kW. Additionally, for payment security, the Government Order of Uttar Pradesh has established a centralized payment mechanism for RESCO developers, the UPNEDA may develop the payment security mechanism in compliance with the Government Order.

2. NET METERING: -

As per UPERC RSPV Regulation 2019 and its subsequent amendments thereof.

Energy Accounting and Settlement

A third-party RESCO installs and owns the Solar Rooftop system on a customer's property. Under Net-metering/Net-billing 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.