

NREDCAP

Expression of Interest (EoI) for finalization of Rate Contract Price for Supply,  
Installation and Commissioning of Solar Off-Grid Systems of 0.50 KWp to 10 KWp

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**NEW & RENEWABLE ENERGY DEVELOPMENT CORPORATION OF AP LTD  
(NREDCAP)**

**INVITES**

**EXPRESSION OF INTEREST FROM EMPANELLED SUPPLIERS OF 2020-21 &  
2021-22 OF NREDCAP**

**FOR**

**FINALIZATION OF RATE CONTRACT PRICE FOR SUPPLY,  
INSTALLATION & COMMISSIONING OF 0.50 KWp TO 10 KWp SOLAR  
OFF-GRID SYSTEMS IN ANDHRA PRADESH STATE**

**NOTICE NO:**

**NREDCAP/SE/EOI/Off-Grid/0.50 - 10 KWp/04/2021-22  
DATE: 14.07.2021**

**CLOSING DATE: 28.07.2021 AT 16.00 hrs**

Issued by

**New & Renewable Energy Development Corporation of AP Ltd**  
12-464/5/1, River Oaks Apartment, CSR Kalyana Mandapam road, Tadepalli, Guntur District  
Tel:0863 -2347650 /651/652/653;  
E-mail: [info@nredcap.in](mailto:info@nredcap.in); [bg@nredcap.in](mailto:bg@nredcap.in);

## NREDCAP

### Expression of Interest (EoI) for finalization of Rate Contract Price for Supply, Installation and Commissioning of Solar Off-Grid Systems of 0.50 KWp to 10 KWp

#### **EXPRESSION OF INTEREST**

Expression of Interest (EOI) is invited from empanelled suppliers of 2020-21 & 2021-22 of NREDCAP for finalization of Rate contract price for supply & installation of Solar Off-Grid systems in the following categories in Andhra Pradesh State,

1. 0.50 KWp Capacity
2. 1 KWp Capacity
3. 2 KWp Capacity
4. 3 KWp Capacity
5. 5 KWp Capacity
6. 6 KWp Capacity
7. 7.5 KWp Capacity
8. 10 KWp Capacity

#### **ELIGIBILITY CONDITION:**

The suppliers shall have financial eligibility and technical experience in installation of Solar Off-Grid systems as detailed below,

Annual Turnover	Minimum Experience
Minimum cumulative turnover of Rs.1.00 crores during the last three years period (2018-21) or net worth of Rs.1.00 crores as on 31.03.2021.	At least minimum 10KWp cumulative capacity Solar Off-Grid systems (Solar Rooftop/Solar Street Lights/Solar Pumpsets) installed in the last 3 years.

The suppliers shall not be black listed at any time by NREDCAP as well as any of the Govt. Nodal Agencies in the country. The District Managers of NREDCAP will generate demand with the help of Empanelled suppliers / manufacturers and submit indents to Head Office by recommending the supplier for allotment of the works. The suppliers shall submit the detail offer as per the formats enclosed to reach NREDCAP Head Office, Tadepalli, Guntur District before 28.07.2021 by 16:00Hrs. An Earnest Money Deposit of Rs. 25,000/- (Rupees Twenty five thousand only) shall be paid in the form of DD from any Nationalized Bank drawn in favour of NREDCAP, which is refundable after finalization of rate contract price.

Sd/-  
VC & Managing Director

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### INFORMATION ON SUBMISSION OF EOI

1. The Supplier shall submit the sealed offer indicating the financial and technical details along with EMD in the form of DD in original, on or before the Deadline, to the address mentioned below:

**The VC & Managing Director, New & Renewable Energy Development Corporation of AP Ltd., 12-464/5/1, /River Oaks Apartments, CSR Kalyana Mandapam Road, Tadepalli, Guntur District, Andhra Pradesh – 522 501.**

2. The Supplier shall furnish documentary evidence in support of meeting Qualification Requirements set forth in this document to the satisfaction of the Authorized Representative.
3. The supplier shall quote lump sum price for the Solar Off-Grid System/Project for each category that is quoted by the supplier. Such lump sum price including Taxes and Duties shall be the Quoted Price and the taxes shall be indicated separately.
4. The Technical & Financial offers shall be submitted separately in sealed cover duly subscribing “Technical Qualification” and “Financial Offer” as applicable and are put in another sealed cover duly subscribing “**Expression of Interest (EoI) from empanelled suppliers of 2020-21 & 2021-22 for finalization Rate Contract Price for Supply, Installation and Commissioning of Solar Off-Grid Systems of Capacity 0.50 KWp to 10.00 KWp**”.
5. On receipt of offers, NREDCAP will verify the technical qualification of the suppliers and the financial offers of technically qualified suppliers will be opened.
6. The lowest quoted price in each category will be arrived for rate contract prices.
7. NREDCAP may accept or reject any or all offers without assigning any reason.

### 8. INSTALLATION & COMPLETION SCHEDULE

The entire work involving Supply, Installation and Commissioning of each Solar Off-Grid System shall be completed within 30 days from the date of issue of work order by the end user or beneficiary or NREDCAP.

### 9. SCOPE OF WORK

- a) Scope of work covers Design, Supply, Installation & Commissioning of Solar Off-Grid Systems as per the technical specifications and standards notified by MNRE.
- b) Mounting Structure for installation of SPV Modules shall be Hot Dipped Galvanized to withstand wind speed up to 150 Kmph and all the fasteners shall be stainless steel only.

Date:

Signature of the Supplier with Stamp

NREDCAP

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- c) The supplier shall install the systems within due date and submit the relevant documents to NREDCAP for release of cost of the system as per work order.
- d) If the operation or use of the system proves to be unsatisfactory during the warranty period, the installer shall replace the faulty ones or carry out necessary repairs as per the warranty terms and conditions.

**10. WARRANTY**

- 1. (a) The SPV panel shall carry a warranty of minimum 25 years.
  - (b) The SPV panel must be warranted for their output peak watt capacity which shall not be less than 90% at the end of 10 years and 80% at the end of 25 years.
  - (c) The PCU & Battery shall carry a warranty of minimum 5 years.
- 2. The complete Solar Off-Grid Systems installed and commissioned shall be under a warranty against any manufacturing or usage defect for a minimum period of 5 years from the date of Commissioning.
- 3. The warranty will be against breakages, malfunctions, non-fulfilment of guaranteed performance and breakdowns due to manufacturing defects or defects that may arise due to improper operation of electrical /electronic components of the system but do not include physical damages by the end users.
- 4. The warranty will cover all the materials and goods involved in the installation and commissioning of Solar Off-Grid systems by the Supplier.
- 5. The supplier shall attend for rectification of defects within 5 working days from the date of lodging complaint during 5 years warranty period.

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**TECHNICAL ELIGIBILITY FORMAT**

All pages of the Technical Format shall be organised section-wise, annexed with proof documents, serially numbered and stitched/or spiral bound intact and submitted) Loose pages shall not be accepted.

**1. GENERAL PARTICULARS OF SUPPLIER**

SL.	PARTICULARS	TO BE FUNISHED BY THE SUPPLIER
1	Name of Supplier/Firm	
2	Postal Address	
3	E-mail address for communication	
4	Telephone/ Fax No.	
5	Name, designation, address, contact number and Email of the representative of the Supplier to whom all references shall be made.	
6	Nature of the firm (Individual/ Partnership/Consortium/ Pvt. Ltd /Public Ltd. Co. /Public Sector, etc.) Attach attested copy of Registration & Partnership deed/ Memorandum of Association	
7	PAN NO (Copy of certificate to be enclosed)	
8	GST No. (copies of certificates to be attached)	
9	Amount and particulars of the Earnest Money Deposited.	
10	Annual Turnover for last three years i.e 2018 -2021 (or) Net worth of the company as on 31.03.2021 (Attach CA certificate)	

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11	Experience in the last 3 years in KWp (Solar Rooftop off-grid/solar street lights/solar pumpsets) (Attach details with proof)	
12	Has the Supplier/firm ever been debarred by any institution for undertaking any work?	
13	Any other information attached by the Supplier	

**2. DETAILS ABOUT THE COMPONENTS TO BE USED**

S. No	Description	Name of Manufacturer(s)	Manufacturing address	Plant
1	Solar PV Modules			
2	Solar PCU with MPPT			
3	Battery			

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**FINANCIAL OFFER**

The cost of Solar Off-Grid Systems (6Hrs Backup) shall include their respective components as per MNRE technical specification, including Batteries, PCU, cables, switches, fuses etc., as per the site requirement with installation and shall be a lump-sum turnkey price:

Description/Capacity of solar off-grid system	Price including Transportation, installation charges (Rs.)	GST @ 5% on 70% of the price (Rs)	GST @ 18% on 30% of the price (Rs)	Total Cost (Rs)
<b>500Wp Solar Off-Grid System</b> 500Wp Solar Module, 600VA, 500W Inverter, 24V, 150Ah Battery				
<b>1 KWp Solar Off-Grid System</b> 1KWp Solar Module, 1.2KVA, 1000W Inverter, 48V, 150Ah Battery				
<b>2 KWp Solar Off-Grid System</b> 2KWp Solar Module, 2.5KVA, 2000W Inverter, 48V, 300 Ah Battery				
<b>3 KWp Solar Off-Grid System</b> 3 KWp Solar Module, 3.5 KVA, 3000W Inverter, 48V, 450 Ah Battery				
<b>5 KWp Solar Off-Grid System</b> 5 KWp Solar Module, 6.0KVA, 5000W Inverter, 96V, 400 Ah Battery				
<b>6 KWp Solar Off-Grid System</b> 6 KWp Solar Module, 7.5KVA, 6000W Inverter, 96V, 480Ah Battery				
<b>7.5 KWp Solar Off-Grid System</b> 7.5 KWp Solar Module, 10.0KVA, 7500W Inverter, 120V, 480 Ah Battery				
<b>10 KWp Solar Off-Grid System</b> 10 KWp Solar Module, 12.0KVA, 10000W Inverter, 240V, 320 Ah Battery				

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Note:

1. The quoted price is inclusive of all taxes, duties, freight with insurance up to site, for installation and commissioning within the State of Andhra Pradesh, incl. AMC for 5yrs warranty period after commission.
2. The price quoted shall be rounded to one decimal point. Price quoted after first decimal point, if any, shall not be considered.

**Date:**

**Signature of the Supplier with Stamp**