



**NEW AND RENEWABLE ENERGY DEVELOPMENT CORPORATION OF ANDHRA
PRADESH LIMITED (NREDCAP)
(A State Government Company)**

Regd. Office: # 12-464/5/1, River Oaks Apartment, CSR Kalyana Mandapam Road,
Tadepalli, Guntur District, Pin : 522 501. Email: info@nredcap.in, bg@nredcap.in

Ref: NREDCAP/SE/Off-Grid/RC Rates/01/2023-24

Date: 27.11.2023

EXPRESSION OF INTEREST

Expression of Interest (EOI) from empaneled Solar Off-Grid Suppliers of NREDCAP for the year 2023-24 is invited for finalization of rate contract prices for supply & installation of the following Solar Off-Grid Systems under Solar Off-Grid Programme in the State of Andhra Pradesh.

- A. 11KWp Solar Off Grid System
- B. 12KWp Solar Off Grid System
- C. 13KWp Solar Off Grid System
- D. 14KWp Solar Off Grid System
- E. 15KWp Solar Off Grid System
- F. 16KWp Solar Off Grid System
- G. 17KWp Solar Off Grid System
- H. 18KWp Solar Off Grid System
- I. 19KWp Solar Off Grid System
- J. 20KWp Solar Off Grid System

The components involved in the above Solar Off-Grid Systems such as Solar PV Module, Inverter with inbuilt MPPT Charge controller, Batteries, cables with ACDB, MMS and battery stand complete set etc., and other technical parameters as per MNRE technical specifications. The systems shall be supplied and installed on Turnkey basis with five years warranty anywhere in Andhra Pradesh State.

ELIGIBILITY CONDITION:

Minimum Turnover	Minimum Experience
Minimum cumulative turnover of Rs.1.00 crore during the last three years period (2020-21 to 2022-23). Enclose copy of the certificate issued by Chartered Accountant	At least minimum 10KWp cumulative capacity Solar Off-Grid systems (Solar Rooftop/Solar Street Lights/Solar Pump sets) installed in the last 3 years. Enclose Copies of the work completion reports.

The suppliers shall not be blacklisted 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 interested applicants fulfilling the eligibility criteria shall submit their sealed financial quotations in the formats enclosed **on or before 05.12.2023** along with an **Earnest Money Deposit of Rs.75,000/- (Rupees Seventy Five Thousand Only)** in the form of Demand Draft issued by any Nationalized Bank drawn in favour of NREDCAP, which is refundable after finalization of the rate contract system.

**Sd/-
VC & Managing Director**

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 Systems for each category including Taxes and Duties.
4. The Technical & Financial offers (Annexure – I & II) 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 2023-24 for finalization Rate Contract Price for Supply, Installation and Commissioning of Solar Off-Grid Systems.**”
5. On receipt of offers, NREDCAP will verify the technical qualification of the suppliers. 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. The Scope of work covers Design, Supply, Installation & Commissioning of Solar Off-Grid Systems as per the technical specifications and standards notified by MNRE.
9. The 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.
10. The supplier shall install the systems within due date i.e 45 days from the date of issue of work order and submit the relevant documents to NREDCAP for release of cost of the system as per work order.
11. 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 within five (5) working days from the date of complaint.

Date:

Signature of the Supplier with Stamp

12. WARRANTY

1. (a) The SPV panel shall carry a warranty of minimum 25 years.

 (b) The SPV panel must be warranted or 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 System 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.

Date:

Signature of the Supplier with Stamp

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 2020-2023 (Attach CA certificate)	
11	Experience in the last 3 years in KWp (Solar Rooftop off-grid/solar street lights/solar pump sets) (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	

Date:**Signature of the Supplier with Stamp**

FINANCIAL OFFER FOR SOLAR OFF-GRID SYSTEMS

Financial offer for Supply, installation and commissioning of various capacities of Solar Off-Grid Systems (**4 hours back up**) including Mono Crystalline Solar Modules, Inverter with inbuilt MPPT Charge controller, Batteries, cables with ACDB, MMS and battery stand complete set etc., as per MNRE technical specifications in Andhra Pradesh State

Description/Capacity of solar off-grid system	Basic Price (Rs.)	GST@12% on 70%of the price (Rs)	GST@ 18% On 30% of the price (Rs)	Total Cost (Rs)
11.0 KWp Solar Off-Grid System 11000Wp Solar Module, 12.5KVA Inverter with inbuilt 80-140V DC@100Amps MPPT Charge controller, 120V, 360 Ah LMLA C10 Tubular Battery				
12.0 KWp Solar Off-Grid System 12000Wp Solar Module, 12.5KVA Solar Inverter with inbuilt 80-140V DC@100Amps MPPT Charge controller, 120V, 400 Ah LMLA C10 Tubular Battery				
13.0 KWp Solar Off-Grid System 13000Wp Solar Module, 15KVA Solar Inverter with inbuilt 80-180V DC@100Amps MPPT Charge controller, 144V, 360 Ah LMLA C10 Tubular Battery				
14.0 KWp Solar Off-Grid System 14000Wp Solar Module, 15KVA Solar Inverter with inbuilt 80-180V DC@100Amps MPPT Charge controller, 144V, 400 Ah LMLA C10 Tubular Battery				
15.0 KWp Solar Off-Grid System 15000Wp Solar Module, 15KVA Solar Inverter with inbuilt 80-180V DC@100Amps MPPT Charge controller, 144V, 450 Ah LMLA C10 Tubular Battery				

<p>16.0 KWp Solar Off-Grid System 16000Wp Solar Module, 17.5KVA Solar Inverter with inbuilt 100-200V DC@96Amps MPPT Charge controller, 180V, 360 Ah LMLA C10 Tubular Battery</p>				
<p>17 KWp Solar Off-Grid System 17000Wp Solar Module, 17.5KVA Solar Inverter with inbuilt 100-200V DC@96Amps MPPT Charge controller, 180V, 400 Ah LMLA C10 Tubular Battery</p>				
<p>18.0 KWp Solar Off-Grid System 18000Wp Solar Module, 20KVA Solar Inverter with inbuilt 120-280V DC@96Amps MPPT Charge controller, 240V, 300 Ah LMLA C10 Tubular Battery</p>				
<p>19.0 KWp Solar Off-Grid System 19000Wp Solar Module, 20KVA Solar Inverter with inbuilt 120-280V DC@96Amps MPPT Charge controller, 240V, 320 Ah LMLA C10 Tubular Battery</p>				
<p>20.0 KWp Solar Off-Grid System 20000Wp Solar Module, 20KVA Solar Inverter with inbuilt 120-280V DC@96Amps MPPT Charge controller, 240V, 360 Ah LMLA C10 Tubular Battery</p>				

Date:

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ITEM WISE PRICE BREAKUP FOR SOLAR OFF-GRID SYSTEMS:**I. 11.0 KWp Solar Off-Grid System:**

S.No	Description	Unit Cost (Rs.)
1	Solar PV Module (11000 Wp)	
2	12.5KVA Inverter with inbuilt 80-140V DC@100Amps MPPT Charge controller	
3	Battery Bank (120V, 360 Ah LMLA C10 Tubular Battery)	
4	ACDB, DCDB, AC Earth	
5	Transportation & Installation	
6	Total (in Rs.)	
7	Add GST @ 12% on 70%	
8	Add GST @ 18% on 30%	
9	Grand Total (in Rs.)	

II. 12.0 KWp Solar Off-Grid System:

S.No	Description	Unit Cost (Rs.)
1	Solar PV Module (12000 Wp)	
2	12.5KVA Inverter with inbuilt 80-140V DC@100Amps MPPT Charge controller	
3	Battery Bank (120V, 400 Ah LMLA C10 Tubular Battery)	
4	ACDB, DCDB, AC Earth	
5	Transportation & Installation	
6	Total (in Rs.)	
7	Add GST @ 12% on 70%	
8	Add GST @ 18% on 30%	
9	Grand Total (in Rs.)	

III. 13.0 KWp Solar Off-Grid System:

S.No	Description	Unit Cost (Rs.)
1	Solar PV Module (13000 Wp)	
2	15.0KVA Inverter with inbuilt 80-180V DC@100Amps MPPT Charge controller	
3	Battery Bank (144V, 360 Ah LMLA C10 Tubular Battery)	
4	ACDB, DCDB, AC Earth	
5	Transportation & Installation	
6	Total (in Rs.)	
7	Add GST @ 12% on 70%	
8	Add GST @ 18% on 30%	
9	Grand Total (in Rs.)	

IV. 14.0 KWp Solar Off-Grid System:

S.No	Description	Unit Cost (Rs.)
1	Solar PV Module (14000 Wp)	
2	15.0KVA Inverter with inbuilt 80-180V DC@100Amps MPPT Charge controller	
3	Battery Bank (144V, 400 Ah LMLA C10 Tubular Battery)	
4	ACDB, DCDB, AC Earth	
5	Transportation & Installation	
6	Total (in Rs.)	
7	Add GST @ 12% on 70%	
8	Add GST @ 18% on 30%	
9	Grand Total (in Rs.)	

V. 15.0 KWp Solar Off-Grid System:

S.No	Description	Unit Cost (Rs.)
1	Solar PV Module (15000 Wp)	
2	15.0KVA Inverter with inbuilt 80-180V DC@100Amps MPPT Charge controller	
3	Battery Bank (144V, 450 Ah LMLA C10 Tubular Battery)	

4	ACDB, DCDB, AC Earth	
5	Transportation & Installation	
6	Total (in Rs.)	
7	Add GST @ 12% on 70%	
8	Add GST @ 18% on 30%	
9	Grand Total (in Rs.)	

VI. 16.0 KWp Solar Off-Grid System:

S.No	Description	Unit Cost (Rs.)
1	Solar PV Module (16000 Wp)	
2	17.5KVA Inverter with inbuilt 100-200V DC@96Amps MPPT Charge controller	
3	Battery Bank (180V, 360 Ah LMLA C10 Tubular Battery)	
4	ACDB, DCDB, AC Earth	
5	Transportation & Installation	
6	Total (in Rs.)	
7	Add GST @ 12% on 70%	
8	Add GST @ 18% on 30%	
9	Grand Total (in Rs.)	

VII. 17.0 KWp Solar Off-Grid System:

S.No	Description	Unit Cost (Rs.)
1	Solar PV Module (17000 Wp)	
2	17.5KVA Inverter with inbuilt 100-200V DC@96Amps MPPT Charge controller	
3	Battery Bank (180V, 400 Ah LMLA C10 Tubular Battery)	
4	ACDB, DCDB, AC Earth	
5	Transportation & Installation	
6	Total (in Rs.)	
7	Add GST @ 12% on 70%	
8	Add GST @ 18% on 30%	
9	Grand Total (in Rs.)	

VIII. 18.0 KWp Solar Off-Grid System:

S.No	Description	Unit Cost (Rs.)
1	Solar PV Module (18000 Wp)	
2	20KVA Inverter with inbuilt 120-280V DC@96Amps MPPT Charge controller	
3	Battery Bank (240V, 300 Ah LMLA C10 Tubular Battery)	
4	ACDB, DCDB, AC Earth	
5	Transportation & Installation	
6	Total (in Rs.)	
7	Add GST @ 12% on 70%	
8	Add GST @ 18% on 30%	
9	Grand Total (in Rs.)	

IX. 19.0 KWp Solar Off-Grid System:

S.No	Description	Unit Cost (Rs.)
1	Solar PV Module (19000 Wp)	
2	20KVA Inverter with inbuilt 120-280V DC@96Amps MPPT Charge controller	
3	Battery Bank (240V, 320 Ah LMLA C10 Tubular Battery)	
4	ACDB, DCDB, AC Earth	
5	Transportation & Installation	
6	Total (in Rs.)	
7	Add GST @ 12% on 70%	
8	Add GST @ 18% on 30%	
9	Grand Total (in Rs.)	

X. 20.0 KWp Solar Off-Grid System:

S.No	Description	Unit Cost (Rs.)
1	Solar PV Module (20000 Wp)	
2	20KVA Inverter with inbuilt 120-280V DC@96Amps MPPT Charge controller	

3	Battery Bank (240V, 360 Ah LMLA C10 Tubular Battery)	
4	ACDB, DCDB, AC Earth	
5	Transportation & Installation	
6	Total (in Rs.)	
7	Add GST @ 12% on 70%	
8	Add GST @ 18% on 30%	
9	Grand Total (in Rs.)	

Date:

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