



**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 KalyanaMandapam Road,
Tadepalli, Guntur District, Pin: 522 501.Email: info@nredcap.in, pdse@nredcap.in

Ref: NREDCAP/SE/EOI/SHL/RC Rates/2023

Date: 30.10.2023

EXPRESSION OF INTEREST

Expression of Interest (EOI) from **Solar off-grid empaneled suppliers of NREDCAP for the year 2023-24** is invited for finalization of rate contract prices for supply of Solar Home Lighting Systems in Andhra Pradesh State. The systems shall be supplied on Turnkey basis with Two years warranty anywhere in Andhra Pradesh State as per the specifications furnished in the Annexure-A to B.

The components involved in the above Solar Gadget such as SPV Module, LED Luminaire, and Lithium-Ferro Phosphate (LiFePO₄) Battery shall have IEC/BIS test certification from MNRE / MNRE authorized test centers. The other technical parameters shall be as per MNRE specifications. The suppliers shall have 3 years' experience in installation of solar off-grid systems (Copies of the work completion reports to be enclosed) and minimum cumulative turnover of Rs. 1.00 Crore during the last 3 financial years in Off-Grid Solar Gadgets (Enclose copy of the certificate issued by Chartered Accountant). The suppliers have not been black listed at any time by NREDCAP as well as any of the Govt. Nodal Agencies in the country. If required, the suppliers shall demonstrate the solar gadgets for which they are submitting their financial offer at NREDCAP Head Office, Tadepalli, Guntur District.

The empaneled suppliers fulfilling the eligibility criteria shall submit their sealed financial quotations in the formats enclosed **before 08.11.2023, 03:00 PM** along with an **Earnest Money Deposit of Rs. 50,000/- (Rupees Fifty thousand only)** in the form of DD/ RTGS from any Nationalized Bank drawn in favour of NREDCAP, which is refundable after finalization of the rate contract system.

Sd/-
VC & Managing Director

TERMS AND CONDITIONS

1. The Specifications of the Solar Home Lighting Systems are mentioned in the enclosed **Annexure -'A (I to II) & B (I to II)'**.
2. The rates quoted in the financial offer (Annexure – C (I to II) & D (I to II) shall inclusive of transportation Charges and all taxes as per applicable Acts.
3. The filled in document together with all enclosures shall be submitted in a sealed cover super scribing **“FINANCIAL OFFER TO FIX THE RATE CONTRACT PRICE FOR SOLAR HOME LIGHTING SYSTEMS”**.
4. Good quality components should be supplied. In case if it is found that materials are not as per MNRE Specifications, such components are to be replaced at free of cost.
5. All the Systems including Battery should be under guaranteed for a period of **TWO Years** from the date of installation against all defects.
6. The empaneled suppliers shall generate demand and submit the specific indents along with payments to Head Office through our District Manager so as to award the works.
7. The price quoted in the financial offer is exclusive of NREDCAP Service charges.
8. The Rate Contract Price will be valid up to **30.06.2024** and it may extend further on specific approval of the competent authority.
9. The VC & Managing Director may relax any of the conditions for valid reasons and the decision of VC & Managing Director is final and binding.

Sd/-
VC & Managing Director

Annexure – A (I)

TECHNICAL SPECIFICATIONS OF MODEL-1 SOLAR HOME LIGHTING SYSTEM

S.No	Name of the Component	Technical Specifications
1	SPV Module	30Wp capacity poly crystalline module with IEC/BIS test certification along with suitable Solar PV module support Structure.
2	Battery	12.80V Lithium-Ferro Phosphate (LiFePO4) Battery capacity 6.0 AH with IEC/BIS test certification.
3	LED Luminaire	2 Nos X 9W LED Light
4	Accessories	5A Charger Controller and Load Controller, Cables
5	Mounting Structure	1 Unit
6	Backup time	3-4 Hours
7	Electronics	Overall total efficiency of the Electronics should be minimum 85%
8	Warranty	i) The Solar Home Lighting System (including the battery) will be warranted for a period of two years from the date of supply. ii) The PV Module will be warranted for a minimum period of 25 years from the date of supply.

Date:

Signature of the Supplier / Manufacturer with seal

Annexure – A (II)

TECHNICAL SPECIFICATIONS OF MODEL-1 SOLAR HOME LIGHTING SYSTEM

S.No	Name of the Component	Technical Specifications
1	SPV Module	30Wp capacity poly crystalline module with IEC/BIS test certification along with suitable Solar PV module support Structure.
2	Battery	12.80V Lithium-Ferro Phosphate (LiFePO4) Battery capacity 6.0 AH with IEC/BIS test certification.
3	LED Luminaire	3 Nos X 9W LED Light
4	Accessories	5A Charger Controller and Load Controller, Wires & Cables
5	Mounting Structure	1 Unit
6	Backup time	3-4 Hours
7	Electronics	Overall total efficiency of the Electronics should be minimum 85%
8	Warranty	i) The Solar Home Lighting System (including the battery) will be warranted for a period of two years from the date of supply. ii) The PV Module will be warranted for a minimum period of 25 years from the date of supply.

Date:

Signature of the Supplier / Manufacturer with seal

Annexure - B (I)

TECHNICAL SPECIFICATIONS OF MODEL-2 SOLAR HOME LIGHTING SYSTEM

S.No	Name of the Component	Technical Specifications
1	SPV Module	50Wp capacity poly crystalline module with IEC/BIS test certification along with suitable Solar PV module support Structure.
2	Battery	12.80V Lithium-Ferro Phosphate (LiFePO4) Battery capacity 18.0 AH with IEC/BIS test certification.
3	LED Luminaire	3 nos X 9W LED Light
4	DC Pedestal Fan	01 no X 35 Watt
5	Accessories	5A Charge Controller and Load Controller, Cables & Wires
6	Mounting Structure	1 Unit
7	Backup time	4-5 Hours
8	Electronics	Overall total efficiency of the Electronics should be minimum 85%
9	Warranty	i) The Solar Home Lighting System (including the battery) will be warranted for a period of two years from the date of supply. ii) The PV Module will be warranted for a minimum period of 25 years from the date of supply.

Date:

Signature of the Supplier / Manufacturer with seal

Annexure - B (II)

TECHNICAL SPECIFICATIONS OF MODEL-2 SOLAR HOME LIGHTING SYSTEM

S.No	Name of the Component	Technical Specifications
1	SPV Module	50Wp capacity poly crystalline module with IEC/BIS test certification along with suitable Solar PV module support Structure.
2	Battery	12.80V Lithium-Ferro Phosphate (LiFePO4) Battery capacity 18.0 AH with IEC/BIS test certification.
3	LED Luminaire	2 nos X 12W LED Light
4	DC Pedestal Fan	01 no X 35 Watt
5	Accessories	5A Charge Controller and Load Controller Cables & Wires
6	Mounting Structure	1 Unit
7	Backup time	4-5 Hours
8	Electronics	Overall total efficiency of the Electronics should be minimum 85%
9	Warranty	i) The Solar Home Lighting System (including the battery) will be warranted for a period of two years from the date of supply. ii) The PV Module will be warranted for a minimum period of 25 years from the date of supply.

Date:

Signature of the Supplier / Manufacturer with seal

FINANCIAL OFFER

FINANCIAL OFFER FOR SUPPLY OF MODEL-1 SOLAR HOME LIGHTING SYSTEMS ON TURNKEY BASIS

S. No.	Name of the Item	Unit Cost (Rs.)
01	<p>Supply & Transport of Model-1 Solar Home Lighting Systems with the following components as per specifications mentioned in Annexure-A on Turnkey basis</p> <p>i) 30Wp SPV Module ii) 12.80V Lithium-Ferro Phosphate (LiFePO4) Battery capacity 6.0 AH iii) 2 nos X 9W LED luminaire iv) 5A Charge Controller & Load Controller v) Back Up : 3 to 4 Hours vi) Cables and Wires vii) Mounting Structure viii) Other Electrical & Electronic items</p> <p><u>Warranty:</u></p> <p>i) The Solar Home Lighting Systems (including the battery) will be warranted for a period of two years from the date of supply. ii) The PV Module(s) will be warranted for a minimum period of 25 years from the date of supply.</p>	
02	GST @12% on item no: 01	
03	Total – (01+02) (In words)	

Date:

Signature of the Supplier / Manufacturer with seal

FINANCIAL OFFER

FINANCIAL OFFER FOR SUPPLY OF MODEL-1 SOLAR HOME LIGHTING SYSTEMS ON TURNKEY BASIS

S. No.	Name of the Item	Unit Cost (Rs.)
01	<p>Supply & Transport of Model-1 Solar Home Lighting Systems with the following components as per specifications mentioned in Annexure-A on Turnkey basis</p> <p>i) 30Wp SPV Module ii) 12.80V Lithium-Ferro Phosphate (LiFePO4) Battery capacity 6.0 AH iii) 3 nos X 9W LED luminaire iv) 5A Charge Controller & Load Controller v) Back-Up : 3 to 4 Hours vi) Cables and Wires vii) Mounting Structure viii) Other Electrical & Electronic items</p> <p><u>Warranty:</u></p> <p>i) The Solar Home Lighting Systems (including the battery) will be warranted for a period of two years from the date of supply. ii) The PV Module(s) will be warranted for a minimum period of 25 years from the date of supply.</p>	
02	GST @12% on item no: 01	
03	Total – (01+02) (In words)	

Date:

Signature of the Supplier / Manufacturer with seal

FINANCIAL OFFER

FINANCIAL OFFER FOR SUPPLY OF MODEL-2 SOLAR HOME LIGHTING SYSTEMS ON TURNKEY BASIS

S. No.	Name of the Item	Unit Cost (Rs.)
01	<p>Supply & Transport of Model-2 Solar Home Lighting System with the following components as per specifications mentioned in Annexure-A on Turnkey basis</p> <p>i) 50Wp SPV Module ii) 12.80V Lithium-Ferro Phosphate (LiFePO4) Battery capacity 18.0 AH iii) 3 nos X 9W LED luminaire iv) DC Pedestal Fan : 1 no X 35Watt v) 5 A Charge Controller and Load Controller vi) Bank-Up : 4 to 5 Hours vii) Cables and Wires viii) Mounting Structure ix) Other Electrical & Electronic items</p> <p><u>Warranty:</u> i) The Solar Home Lighting System (including the battery) will be warranted for a period of two years from the date of supply. ii) The PV Module(s) will be warranted for a minimum period of 25 years from the date of supply.</p>	
02	GST @12% on item no: 01	
03	Total – (01+02) (In words)	

Date:

Signature of the Supplier / Manufacturer with seal

FINANCIAL OFFER

FINANCIAL OFFER FOR SUPPLY OF MODEL-2 SOLAR HOME LIGHTING SYSTEMS ON TURNKEY BASIS

S. No.	Name of the Item	Unit Cost (Rs.)
01	<p>Supply & Transport of Model-2 Solar Home Lighting System with the following components as per specifications mentioned in Annexure-A on Turnkey basis</p> <p>i) 50Wp SPV Module ii) 12.80V Lithium-Ferro Phosphate (LiFePO4) Battery capacity 18.0 AH iii) 2 nos X 12W LED luminaire iv) DC Pedestal Fan : 1 no X 35Watt v) 5 A Charge Controller and Load Controller vi) Bank-Up : 4 to 5 Hours vii) Cables and Wires viii) Mounting Structure ix) Other Electrical & Electronic items</p> <p><u>Warranty:</u> i) The Solar Home Lighting System (including the battery) will be warranted for a period of two years from the date of supply. ii) The PV Module(s) will be warranted for a minimum period of 25 years from the date of supply.</p>	
02	GST @12% on item no: 01	
03	Total – (01+02) (In words)	

Date:

Signature of the Supplier / Manufacturer with seal