

*Invitation for
Expression of Interest (EOI)*

**Supply and Installation of Innovative Solar
Based Smart Water ATM/KIOSK.**

Ref. No. NREDCAP/SE/Off-Grid/Solar Water ATM/2021



**NEW AND RENEWABLE ENERGY DEVELOPMENT CORPORATION OF A.P Ltd
(NREDCAP)**

**Regd Office: 12-464/5/1, River Oaks Apartments,
CSR Kalyana Mandapam Road, Tadepalli,
Guntur District- 522 501
TEL: 0863-2347650/51/52/53
Website: www.nredcap.in**

Invitation for Expression of Interest

Subject: Invitation for Expression of Interest (EOI) for supply & installation of Innovative Solar Based Smart Water ATM/ KIOSK.

New & Renewable Energy Development Corporation of Andhra Pradesh Ltd (NREDCAP) hereby invites innovators/manufacturers/system integrators of solar water kiosk to submit expression of interest to participate in the above-mentioned innovative solar based Smart Water ATM/ KIOSK.

1. Background:

The concept of Solar Water ATM/ Kiosk project is proposed under the High Visibility Solar Applications Scheme and Off-grid Solar Power Scheme of the Ministry of New and Renewable Energy (MNRE), Government of India. The broad objective of the project is minimizing the overall carbon footprint and to provide safer water at affordable prices. This proposed project creates awareness, understanding and adoption to New Renewable Energy Technologies.

2. Purpose:

Purpose of this EOI is to promote Solar based Smart Water ATM/ KIOSK to serve the clean and chilled water to the public by incorporating the innovative technologies and make systems independent from grid to serve 24/7 in real field conditions. NREDCAP will shortlist the bidders to install Solar based and grid free Smart Water ATM/ KIOSK.

3. Eligibility:

Indian bidders, who wish to install stand-alone Solar Based Smart Water ATM/ KIOSK shall satisfy the following criteria are only eligible to participate in the scheme:

- i. Only products, which are existing in the field are eligible for participation.
- ii. The product should have been implemented in any Government Organizations under pilot or full-fledged project.
- iii. Within the last 3 years, the bidders should have successfully completed, any one of the minimum requirement criteria indicated below:
 - Three similar completed contracts costing not less than Rs 80 lakh each.
 - Two similar completed contracts costing not less than Rs 120 lakh each.
 - One similar completed contract costing not less than Rs 160 lakh.

A minimum experience of supply, installation and commissioning of 20 Nos. of the tendered items. Value, nature, and complexity of these contracts should be comparable to the contract to be let.

4. Timelines for Bid process:

The Bidders shall submit their Bids based on the conditions specified in this BID document. The last date for submission of Bids i.e. Bid Deadline is given in the table below. No Bid shall be accepted beyond the Bid Deadline.

S. No.	Event	Schedule
1	Date of issue of BID Document	24.09.2021
2	Deadline for submission of queries	28.09.2021 before 17:00 hours Email: gmtech@nredcap.in ; info@nredcap.in
3	Deadline for submission of hard copies of Bid	08.10.2021 before 15:00 PM
4	Prequalification check & opening of Technical Bid	11.10.2021 at 11: 00 AM
5	Opening of Financial Bids	11.10.2021 at 15:00 PM (Tentative date and time) at NREDCAP Registered Office, 12-464/5/1, River Oaks Apartments, CSR Kalyana Mandapam Road, Tadepalli, Guntur District, 522 501

NREDCAP reserves the right to change the above Bid process timelines. However, the NREDCAP will notify prospective Bidders through email/notification on website www.nredcap.in regarding changes to the above timelines.

5. Criteria for Shortlisting of Bidders:

Applications will be evaluated by an Evaluation Committee constituted by NREDCAP having technical and financial experts as committee members. After duly examination/consideration of the submitted documents, bidders will be shortlisted.

Bidder will be evaluated/ assessed based on the relevant experience and documents submitted by the bidder.

6. Earnest Money Deposit (EMD):

EMD through a Demand Draft/ Banker's Cheque of **Rs. 50,000/- in favor of VC & Managing Director, NREDCAP payable at Vijayawada**. The EMD would be forfeited if the bidder withdraws the proposal during the validity period. EOI/ Proposal received without EMD will not be considered. EMD with the proposals which are not selected will be returned within 30 days of issuance of successful proposals. For successful proposals the EMD will be returned on acceptance of empanelment and providing duly signed indemnity bond as per the prescribed format. The successful bidder shall submit the security deposit of Rs. 1,00,000/- by way of DD/ BG before signing indemnity bond.

7. Presentation:

Based on the need, the evaluation committee of NREDCAP may invite the applicants to make presentation before the committee. Date, time and venue for the presentation will be informed at least a week in advance.

8. Ethic, Integrity and Quality:

Selected Bidder shall carry out the work as per terms and conditions mentioned herein and any additional requirement indicated by NREDCAP. Bidder shall demonstrate highest level of ethics, integrity and quality of service. The bidder shall undertake to abide by the Guidelines mentioned above, General Financial Rules and any other applicable rule & regulation of the Central Government/ State Government/ Local Government and in case of any transgression of applicable Guidelines/ Rules, NREDCAP reserves the right to abandon demonstration by the concerned company, cancel the contract and encash bank guarantee to cover loss of investor(s).

Solar Based Smart Water ATM/ KIOSK shall be installed by the bidder within 6 months of award of work order issued by NREDCAP/ Beneficiary organization/ concerned State Implementation Agency, failing which the concerned State Implementation Agency may enforce liquidated damages commensurate with the period of delay or cancel the work order or both.

9. Operation & Maintenance:

Bidder shall provide Comprehensive Maintenance Contract for the installed systems for a period of 5 years.

10. Payment terms and conditions:

The eligible bidder shall adhere the below payment terms and conditions of NREDCAP:

- a) 60% of purchase order value will be released on installation, testing of the total system.
- b) 37% payment will be released after 30 days of successful Commissioning of the system including performance report from beneficiary organization/NREDCAP district office.

- c) Balance 3% of the contract value shall be released at the end of the 5 years on completion of the warranty period and on submission of satisfactory performance report from the beneficiary organization or against performance bank guarantee.
- d) The payment shall be released only on receipt of funds from respective beneficiary organizations.

11. Monitoring:

NREDCAP will monitor the systems through their field staff as per their standard monitoring mechanism.

12. Adoption of technology:

After detailed examination and deliberations, the Evaluation Committee may recommend for adoption of specifications of innovative Solar Based Smart Water ATM/ KIOSK, with certain modifications, if required.

13. Submission of Expression of Interest:

Bidders are invited to submit Expression of Interest along with requisite documents in complete both technical & commercial and EMD by sending it to New & Renewable Energy Development Corporation of Andhra Pradesh Ltd., 12-464/5/1, River Oaks Apartments, CSR Kalyana Mandapam Road, Dist, Tadepalli, Andhra Pradesh by **08.10.2021**, in a separate sealed covers both technical & financial bids by super- scribing “**Expression of Interest under promotion of innovative Solar Based Smart Water ATM/ KIOSK**”. EMD shall be received in the form of Online Transaction/ banker’s cheque/ demand draft by the given date. EoI/ EMD received after the given date will be summarily rejected.

14. Broad technical specs are as under:

The indicative design of the Solar Based Smart Water ATM/KIOSK should be:



15. TECHNICAL SPECIFICATIONS

Water – ATM/KIOSK

The Water ATM should be covered by stainless steel structure shed. The main features of this type of water ATMs are:

A) Purification Plant:

- i. Auto Operated.
- ii. Fluoride Removal unit.
- iii. IS 10500 Drinking Water Code Compliance.
- iv. The design of the Water ATM should work upto TDS 500 ppm.
- v. Capacity of 500 Lph (Litres per hour).
- vi. Integrated SIM Based communication.
- vii. Raw water tank – 5000 litres (max) PP Food grade.
- viii. Clear water tank 1000 litres- SS 304 grade.
- ix. Display of real time water quality like TDS, temperature on screen.
- x. Daily, weekly and monthly reports of water dispensed.

B) Structure:

- i. Aesthetically attractive and robust modular unit.
- ii. Battery backup of 48 hours using lithium Ferro Phosphate (LiFePo4) batteries.
- iii. Stainless Steel dispensers and product water tank for rust resistance (Grade 304).
- iv. Coin/Card operated. 3 dispensers system (2 normal water, 1 cold water)
- v. Programmable water quantity selector (between 200 ml to 10 Ltr.)
- vi. Option for Cold Water.
- vii. 2000 Wp Solar system along with structures suitable for running the entire plant

Management Concept

- a. Ownership of Kiosk belongs to the beneficiary organization.
- b. Each kiosk has a life of 10-15 years if maintained properly.
- c. Kiosk management and supervision of operators will be the responsibility of the beneficiary organization.
- d. All kiosks shall be metered.
- e. The kiosks should be located on locations allocated by the NREDCAP/ beneficiary organization.

Sd/-
VC & Managing Director

TERMS AND CONDITIONS

1. The Specifications of the proposed Solar Based Smart Water ATM/KIOSK mentioned in Clause No. 15
2. The rates quoted in the financial offer (Annexures - A) shall inclusive of all taxes as per GST Act.
3. The rates quoted in the financial offer (Annexures - A) shall inclusive of Installation and transportation charges.
4. The transportation charges anywhere in Andhra Pradesh is inclusive of the rate contract price.
5. 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 Based Smart Water ATM/KIOSK**”.
6. Good quality components should be supplied. In case if it is found that materials are not good, such components are to be replaced at free of cost.
7. All the Systems should be under guarantee / warranty for a period of **Five years** from the date of commissioning against all defects.
8. Comprehensive Maintenance Contract for the installed systems for a period of 5 years from the date of commissioning against all defects.
9. After completion, the supplier / manufacturer have to submit the Installation certificate containing the details of the components installed.
10. The District Managers / Registered Suppliers / Manufacturers shall generate demand and submit the specific indents along with payments to Head Office so as to award the work orders.
11. The price quoted in the financial offer is exclusive of NREDCAP Service charges.
12. The Rate Contract Price finalized is valid up to 30.09.2023 and it may extend further on specific approval of the competent authority.
13. 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

FINANCIAL OFFER

FINANCIAL OFFER FOR SUPPLY OF SOLAR BASED SMART WATER ATM/KIOSK

S.No.	Name of the Item	Unit Rate (Rs)
01	Supply of Solar Based Smart Water ATM/KIOSK with the following components as per specifications mentioned in Clause No. 15 of this EoI including Transportation charges on for destination basis in the State of Andhra Pradesh.	
02	GST @ _____% on item no: 01	
03	Total – (01+02)	

Name
Designation
Signature
(Supplier / Manufacturer with seal)