



**Kerala State Industrial Development
Corporation Limited (KSIDC)**

(A Public Sector Undertaking of Government of Kerala)

Sealed quotations are invited

For

**Supply and installation of 30 KWp ON Grid inverter and converting the existing
32 KWp OFF Grid solar power system to ON Grid**

Date: 13.01.2021



Reference Number: KSIDC/Solar/2020/2 dtd. 13.01.2021

TABLE OF CONTENTS

1. Introduction	3
2. Bidding process	3
3. Scope Duration and Deliverable of work.....	4
4. Submission of proposals	4
5. Evaluation of Bids.....	5
6. Payment Terms	6
7. Terms & Conditions.....	6
8. Annexures.....	10

1. Introduction

- 1.1 Kerala State Industrial Development Corporation (KSIDC) is the premier agency under Government of Kerala working for industrial and investment promotion in Kerala. As a nodal agency for foreign and domestic investments in Kerala, KSIDC facilitates clearances, approvals and processes various incentive schemes for starting a new business ventures. KSIDC acts as a spokesman of the State who spreads its industrial ethos besides being an interface between the Government and the Industry.
- 1.2 KSIDC was one of the first Public Sector Undertakings (PSU) in the State to have initiated the establishing of a solar power plant in its premises. The initiative was a step towards achieving sustainability in terms of usage of renewable source of energy towards power consumption. The system installed during 2012 by KSIDC was a 32 KWp off grid solar power system along with inverters. Since, considerable number of years have passed since the installation of the system, it is now required to upgrade / revamp the system based on modern day requirements and regulatory compliances.
- 1.3 In this context, KSIDC invites sealed competitive quotations from ANERT empaneled agencies for the “Supply of 30 KWp ON Grid inverter and converting existing 32 KWp (26 KWp + 6 KWp) OFF Grid solar power system to ON Grid”.

2. Bidding process

- 2.1 The entire bidding process will be a two stage process being undertaken as per the terms and conditions referred to herein this quotation. The details of the stages are as below:
 - 2.1.1 **Stage 1:** The agency shall submit the Technical Bid in the format specified in Annexure I along with the requisite supporting documents. The technical bid format must also contain all technical details regarding the supply and installation of the ON Grid inverter and converting existing 32 KWp (26 KWp + 6 KWp) OFF Grid solar power system to ON Grid. As also, the requisite documents showing the eligibility of the agency and the compliance to all the terms and conditions specified in the quotation as per format enclosed herewith in Annexure I & III.
 - 2.1.2 **Stage 2:** The agency shall submit the Financial Bid in the format specified in Annexure II.
- 2.2 The financial bids of only those agencies qualifying the technical bids and satisfying the terms & conditions as specified in this quotation shall be opened for

consideration. Any and all bids failing to comply with the instructions and terms & conditions mentioned herein in this quotation shall be summarily rejected.

3. Scope, Duration and Deliverables of the work

- 3.1 The scope of work will be the supply and installation of 30 KWp ON Grid inverter and converting existing 32 kWp (26KWp + 6KWp) OFF Grid solar power system to ON Grid as per the rules prevailing in KSEB and Electrical Inspectorate.
- 3.2 The envisaged contract amount for undertaking the said works as per the prevalent terms and conditions & industry standards is being fixed at Rs. 4,50,000/- (Rupees four lakhs fifty thousand only) plus GST
- 3.3 The works being assigned as a part of this engagement are proposed to be completed with a period of 3 months (90 days) from the date of signing of agreement by the selected agency with KSIDC.
- 3.4 The system of contract will be a percentage system.

4. Submission of proposals

- 4.1 The master envelope containing the technical and financial bids should be marked as 'Bids for the Supply and installation of 30 KWp ON Grid inverter and converting the existing 32 KWp OFF Grid solar power system to ON Grid for KSIDC'.
- 4.2 The bids should be submitted in two separate envelopes marked respectively as 'Agency Name - Technical Proposal' and 'Agency Name-Financial Proposal'. Both these envelopes must be included in the master envelope.
- 4.3 The master envelope containing the Technical and Financial bids shall be submitted shall be addressed to '**The Managing Director, Kerala State Industrial Development Corporation, Keston Road, Kowdiar, Thiruvananthapuram – 695 003**'.
- 4.4 **The master envelope shall be submitted to HR and Administration Division of KSIDC before 3.00 p.m. on Monday, the 1st of February 2021.**
- 4.5 Each agency shall submit only one bid (master envelope). Bids received after the closing date and time mentioned above will be rejected without any further communication on the matter.
- 4.6 Any of the master envelope not containing either of the technical or financial bids shall be rejected summarily without any further communication on the matter.

5. Evaluation of bids

5.1 The technical bids of all the agencies having applied will be opened for consideration on 3rd February 2021. The evaluation of technical bids shall be as per the criteria and marking mechanism specified below:

Sl. No.	Criteria	Marks
1	CRISIL Rating <ul style="list-style-type: none"> • 2B & above – 100 % marks • 3 A – 90% marks • 3 B – 80% marks • Below 3 B – 0% marks 	20 marks
2	Total works done independently <ul style="list-style-type: none"> • 1 MW & above - 100% marks • 500 KWp above - 80% marks • 400 KWp above - 50% marks • below 400 KWp - 0% marks 	20 Marks
3	Number of plants commissioned ON Grid (Greater than 30 KWp and above), independently. <ul style="list-style-type: none"> • Three or more 30 KWp and above ON Grid plant - 100% marks • Two 30 KWp ON Grid plant – 80% marks • One 30 KWp ON Grid plant – 60% marks • Now work executed to completion -0% marks 	20 Marks
4	Engagement of wiring contractor for doing licensed work. <ul style="list-style-type: none"> • A class contractor – 100% marks • Others eligible in B Class having experience in solar plant commissioning of 30 KWp and above (proof to be attached) – 50 % marks 	20 Marks
5	Willingness for taking AMC & warranty of inverter <ul style="list-style-type: none"> • For 6years above and Inverter warranty above 6 years - 100% marks • For 5 year AMC and warranty of inverter 5 years - 90% marks • Below 5 years – 0% marks 	20 Marks
Total Marks		100

5.2 Only those agencies with a score greater than or equal to 60 (Pass Score) for the technical proposal, will be considered for financial evaluation.

- 5.3 The work will be awarded to the agency that has quoted lowest (L1). In case of refusal by successful agency or inability to accept the offer or the successful agency not responding within specified time, the agency that has quoted next lowest (L2) will be considered

6. Payment Terms

- 6.1 An amount of 25% of the quoted amount shall be provided as mobilization advance within one week from the date of signing of agreement by the selected agency with KSIDC.
- 6.2 An amount of 25% of the remaining of the quoted amount shall be released on supply of the entire materials for setting up of 30 KWp ON Grid inverter and converting the existing 32 KWp OFF Grid solar power system to ON Grid at KSIDC premises; to the best of KSIDC's satisfaction and approval.
- 6.3 An amount of 25% of the remaining of the quoted amount shall be released on commencement of the installation of 30 KWp ON Grid inverter and converting the existing 32 KWp OFF Grid solar power system to ON Grid at KSIDC premises.
- 6.4 An amount of 25% of the remaining of the quoted amount shall be released on submission of bills after successful completion of the works; to the best of KSIDC's satisfaction and approval.
- 6.5 An amount of 5% of the entire quoted amount shall be withheld from the mobilization advance and will be released only after 6 months of completion of the works. The same will be for ensuring the successful functioning of the installed system; to the best of KSIDC's satisfaction and approval.

7. Terms & Conditions

- 7.1 A copy of this quotation document must be signed and sealed on all pages by the agency(ies) accepting the instructions and terms & conditions of the KSIDC and must be submitted along with the bid.
- 7.2 Bid document(s) and all enclosures must contain the signature and seal of the authorized representative of the agency(ies).
- 7.3 The name and address of the agency(ies) shall be clearly written in the envelopes and the space provided in the Annexures; no overwriting, correction, insertion shall be permitted in any part of the bid document / envelope. The bids should be submitted in strict accordance with the instructions laid down herein; otherwise, the bid is liable to be rejected.

- 7.4 The bid is liable to be rejected if complete information is not given therein, or if the particulars and data (if any) asked for or are not filled-in properly.
- 7.5 Bidder must submit PAN& GSTN given by Income Tax authorities, TIN, and copy of PAN / GSTN & TIN with the bid.
- 7.6 Bids may be submitted by Speed Post / Courier /By hand in sealed envelopes only. KSIDC will not accept such bid if delivered/submitted to the office after the deadline for submissions. It will be the sole responsibility of the bidders that their bid should be submitted/ delivered as per bid submission deadline. KSIDC will not be responsible for any delay or transit loss or late delivery of bids.
- 7.7 Attested copy of the proof of the agency being approved by ANERT shall be submitted along with the technical quotation.
- 7.8 Only ANERT empanelled agencies having experience and grading as mentioned below shall participate. The agency should have executed the work independently for considering experience. Sub contract work experience will not be considered
- 7.9 The agency should have a CRISIL rating of minimum 3B grade during the year 2019 – '20. (covering February 2020 or March 2020). Valid Grading Certificate issued by CRISIL Ltd. for the period 2020 – '21 is desirable.
- 7.10 The agency should have done a minimum aggregated capacity of around 500 KW capacity solar PV installation projects with grid connectivity. Also, year wise list of clients and details of solar plant installed to be submitted as ready reckoner.
- 7.11 The agency should have completed a minimum of one 30 KWp capacity roof top type of solar PV installation project with grid connectivity in the last five years. The completion /performance certificate from the client must be submitted as a proof of the same.
- 7.12 The agency may visit KSIDC Head Office, on a pre-informed date, and inspect the solar plant installed thereon, if deemed necessary, before submitting the bid. Any shortfall in the bid document due to not visiting of the KSIDC office will not be the responsibility of KSIDC.
- 7.13 Class A Electrical wiring contractors with valid licence shall be preferred for entrusting the aforementioned work. Copy of the valid A class wiring contractor license, of the proposed contractor, may be submitted along with the technical bid as the proof of the same. B class wiring contractors may be considered only if they have sufficient experience in commissioning above 30 KWp plants. A proof in this regard may also be submitted along with the technical bid.
- 7.14 Registration Certificate of the Company which is issued by Registrar of Companies has to be submitted along with technical bid. The details of the agency in the bid document should match with registration certificate.

- 7.15 The selected agency should provide services facility for warranty items free of cost during the warranty period and also arrange for services of non-warranty items on payment basis. For inverters, the fault should be attended immediately and rectified within a reasonable time (anyhow in not less than 24 hours) during warranty period for reducing generation loss, otherwise penalty will be imposed corresponding to generation loss.
- 7.16 The validity period of this bid document will 90 days from the date of publishing of the bid document.
- 7.17 The On-Grid inverter shall be of Indian made with spares being available in Kerala and having a minimum warranty period of 5 years from the date of satisfactory installation. The agency shall procure the inverter from ANERT approved manufacturer.
- 7.18 The selected agency should coordinate with the concerned statutory authority (KSEB / EI) for obtaining feasibility certificate in favor of KSIDC before commencement of work.
- 7.19 Making available net metering facility/ energy meters of required standards through the Distribution Licensee or procurement and testing of energy meters shall be the responsibility of the selected agency. If KSEB is not supplying meter and for this actual additional payment will be made towards cost of meter and calibration.
- 7.20 The agency shall carry out the works as per prevailing rules of Electrical Inspectorate and KSEB.
- 7.21 The requisite rearrangement to club with existing wiring system shall be done by the selected agency through licensed contractor.
- 7.22 The work shall be treated as complete only on getting successful grid connection from KSEB and monitoring the flawless performance for at least six months.
- 7.23 All statutory payments to Electrical Inspectorate and KSEB are to be made in the name of MD, KSIDC, and shall be reimbursed on production of original bills.
- 7.24 Contract amount may be quoted on percentage system and to be returned along with quotation form with all conditions duly accepted in the prescribed format attached along this
- 7.25 AMC charges for the Solar system including non-warranty items, after successful conversion of Off Grid Solar Power plant and Commissioning of On Grid Solar power plant for succeeding 5 years may also be furnished with conditions if any, along with technical bid in the bidder's letter head (in a separate sheet duly signed, for which a separate agreement has to be signed if selected by KSIDC for the requisite AMC).

- 7.26 The quoted amount has to be furnished in figures and words and should clearly specify whether it is below or above the estimate.
- 7.27 As KSIDC is having a DG set, reverse power relay shall be provided, only if necessary.
- 7.28 KSIDC may amend the quotation notice as per requirements or wherever KSIDC feels that such amendments are absolutely necessary.
- 7.29 KSIDC has the sole authority to reject any quotation and to cancel the quotation without assigning any reason, whatsoever.
- 7.30 KSIDC at its discretion may or may not extend the due date and time for the submission of quotation. Hence bidders are requested to visit KSIDC website regularly for such updates
- 7.31 The bid documents shall be opened at 2:00 P.M. on Wednesday, the 3rd of February 2021 at the Head office of KSIDC, Keston Road, Kowdiar, Thiruvananthapuram – 695 003, in the presence of officials from KSIDC.

The proposals (in formats specified in Annexure I, Annexure II and Annexure III) along with the requisite evidences have to be submitted in hard copy to 'The Managing Director, Kerala State Industrial Development Corporation Ltd. (KSIDC), Keston Road, Kowdiar, Thiruvananthapuram – 695 003'. The deadline for submission of the RFP shall be 3.00 p.m. on Monday , the 1st of February 2021.

Thanking you,

Yours faithfully,
for **KERALA STATE INDUSTRIAL
DEVELOPMENT CORPORATION LTD.**

**Sd/-
MANAGING DIRECTOR**

Encl: As above

8. Annexures

Annexure I

Stage I - Technical Bid

1. Name of the Bidder:
2. Name of the authorized person (who signs on the tender document on behalf of bidder(s)) with PAN / Voter Card No. /Aadhar No.:
.....
3. Address of the Bidder:.....
4. Website Address:.....
5. Phone No.:.....Mobile:.....Fax:.....E-mail:.....
6. Details:

Sl. No.	Particulars	Response of Agency. Remarks if any. Proof to be enclosed as annexure
1	ANERT approved agency	
2	ANERT empanelled agencies having an experience in similar works shall participate. The agency should have executed the work independently. Sub contract work experience will not be considered	
3	The agency should have a CRISIL rating of minimum 3B grade during the year 2019-20. Valid grading certificate issued by CRISIL Ltd for the period 2020-21 desirable	
4	Agency should have done a minimum aggregated capacity of 500 kw capacity solar pv installation projects with grid connectivity. Proof to be submitted. Also, year wise list of clients and details of solar plant installed to be submitted as ready reckoner.	

Sl. No.	Particulars	Response of Agency. Remarks if any. Proof to be enclosed as annexure
5	The agency should have completed minimum one 30 kw capacity roof top type of solar pv installation projects with grid connectivity in the last five years. The completion certificate from the client shall have to be submitted as the proof of the same. Proof to be submitted. Also, year wise list of clients and details of solar plant installed to be submitted as ready reckoner	
6	The bid should be made only after inspecting the plant installed at KSIDC office	
7	Valid licensed A class Electrical wiring contractors is preferred for entrusting the aforementioned work. Copy of the valid A class wiring contractor license of the proposed contractor have to be submitted as the proof of the same. B class wiring contractors are considered only if they have sufficient experience in commissioning above 30 KWp plants. Proof to be attached	
8	Registration certificate of the firm which is issued by registrar of companies has to be submitted. The details of the bidder should match with registration certificate	
9	The Agency should have a valid GST registration (proof to be submitted).	
10	The selected agency should provide services facility for warranty items free of cost for the warranty period and also arrange for services of non-warranty items	

Sl. No.	Particulars	Response of Agency. Remarks if any. Proof to be enclosed as annexure
	on payment basis. For inverters, the fault should be attended immediately and rectified within a reasonable time during warranty period for reducing generation loss, otherwise penalty will be imposed corresponding to generation loss	
11	The On-Grid inverter shall be Indian made having spares available in Kerala and having a minimum warranty of 5 years from the date of satisfactory installation, The agency shall procure the inverter from ANERT approved manufacturer.	
12	The selected agency should coordinate with KSEB for obtaining feasibility certificate in favor of KSIDC before commencement of work	
13	Making available net metering facility/ energy meters of required standards through the Distribution Licensee or procurement and testing of energy meters shall be the responsibility of the selected agency. If KSEB is not supplying meter and for this actual additional payment will be made towards cost of meter and calibration.	
14	Work shall be carried out as per prevailing rules of Electrical Inspectorate and KSEB.	
15.	AMC charges for the Solar system including non-warranty items, after successful conversion of Off Grid Solar Power plant and Commissioning of On Grid Solar	

Sl. No.	Particulars	Response of Agency. Remarks if any. Proof to be enclosed as annexure
	power plant for succeeding 5 years may also be furnished with conditions if any, along with quotation in the bidder's letter head (in a separate sheet duly signed, for which a separate agreement has to be signed if comes lowest after negotiation based on KSIDC requirements).	
16	Rearrangement required to club with existing wiring system shall be done by the selected agency through licensed contractor	
17	Validity Period: - The validity period of the tender should be clearly specified. It must be at least for 90 days from opening of price bid	
18	Bidder must submit PAN , GSTN given by Income Tax authorities, TIN, and copy of PAN, GSTN TIN with the bid.	
19	The Bank/RTGS detail on the letter-head of the bidder(s) must be submitted along with the bid. A copy of the canceled cheque should also be attached	

We hereby declare that all statements/details made in this bid are true, complete and correct to the best of my knowledge and belief. I understand that in the event of any information being found false or incorrect at any stage or we do not satisfy any of the stated criteria, our offer is liable to be cancelled automatically and KSIDC may take an action against this firm for such false information including legal action.

Signature:

Bidder(s)'s Name:

Stage II - Financial Bid

(On the letter head of the bidder)

(Note: This price bid must be in a sealed cover and should be sealed separately from the technical bid cover. The bidder(s) shall quote the amount tendered/financial bids in the following format:)

Subject: Price Bid for Supply and installation of 30 KWp ON Grid inverter and converting the existing 32 KWp OFF Grid solar power system to ON Grid

I / We (_____) on behalf of M/s _____
_____ hereby undertake to carry out the work of Supply and installation of 30 KWp ON Grid inverter and converting the existing 32 KWp OFF Grid solar power system to ON Grid power system installed in KSIDC as per the rules prevailing in KSEB and Electrical Inspectorate at percent (below estimate/estimate rate/above estimate) amounting to Rs. (in words & figures) as per the terms and conditions of the quotation notice. The above quoted amount is inclusive of all charges and exclusive of GST.

Place: _____

Dated: _____

Name of the bidder(s): _____

Address: _____

Signature of Bidder/ Authorized Signatory with seal: _____

Annexure III

(To be attached with Technical Bid)

(On the letter head of the bidder)

UNDERTAKING BY THE BIDDER(S)

I have carefully gone through the various terms and conditions mentioned in the quotation notice of supply of 30 KWp ON Grid inverter and converting existing 26+6=32 KWp OFF Grid solar power system installed in KSIDC to ON Grid. I agree to all the conditions and offer to supply the 30 KWp ON Grid inverter and carry out the conversion work at KSIDC. Keston Road, Kowdiar, Thiruvananthapuram. I am making this offer after carefully reading the conditions and understanding the same. I have acquainted with all the tasks required to be carried out, before making this offer. I will abide by the corrigendum(s), if any, to be issued by KSIDC on its website. I hereby sign this undertaking as token of our acceptance of various conditions mentioned in quotation document.

Place: _____

Dated: _____

Name & Signature of the bidder(s): _____

Address: _____