

GOA ENERGY DEVELOPMENT AGENCY (GEDA)

e- TENDER FOR

DESIGN, MANUFACTURE, SUPPLY, INSTALLATION, TESTING, COMMISSIONING OF SOLAR PV SYSTEMS AT VARIOUS HOUSEHOLDS IN THE STATE OF GOA WITH COMPREHENSIVE MAINTENANCE CONTRACT FOR 5 YEARS UNDER REMOTE VILLAGE ELECTRIFICATION PROGRAMME.

TENDER NO. 1/70/ GEDA/2020-21/547

DATED :30/11/2020

Member Secretary
GOA ENERGY DEVELOPMENT AGENCY(GEDA)
5th Floor, Goa-IDC Building
Patto-Panaji-Goa
Phone No: - 0832 - 2437401 / 2437402
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www.geda.goa.gov.in

TENDER NOTICE

NO: 1/70/GEDA/2020-21/547

Dated: 30/11/2020

Member Secretary, Goa Energy Development Agency (GEDA), Panaji invites the E-TENDER for design, manufacture, supply, installation, testing, commissioning of Solar PV systems at various households in the State of Goa with Comprehensive Maintenance Contract(CMC) for 5 years under Remote Village Electrification(RVE) programme.

Name of the work	Estimated cost	Earnest Money Deposit (EMD)	Cost of Tender document (Rs.)	Tender Processing Fee (Rs.)
Design, manufacture, supply, installation, testing, commissioning of Solar Power Conditioning Units(PCU), Solar Street Light, Solar Home Light systems at various households in the State of Goa state with Comprehensive Maintenance Contract (CMC) for 5 years under Remote Village Electrification(RVE) programme	68.70 lakhs	2 % of the Estimated Value (Rs 137400)	2,000/-	0.1% of estimated cost OR Maximum of Rs. 4000.00

The cost of Tender Document, Earnest Money (EMD) and the Tender Processing Fee shall be paid via e-payment mode. The detailed notice, eligibility criteria and tender document can be downloaded from **<https://goaenivida.gov.in>**. Any further notice/information related to this tender shall be uploaded on online mode. GEDA reserves the right to reject any or all bids without assigning any reason thereof

Details of Tender Schedule of e-bid

1. Date of issuance of tender is 30/11 /2020.
2. Pre-bid meeting / clarification meeting is on 11/12/2020 at 11.00 hrs.
3. Publish clarification on queries 18/11 /2020.

4. The last date of online submission of tender is 7/01/2021 upto 18:00 hrs.
5. The date & time of opening of online technical bid is 12/01/2021 after 11.00 hrs in the office of the Member Secretary, Goa Energy Development Agency (GEDA), Panaji.
6. The date & time of opening of online Financial Bid is 19 /01/2021 after 11.00 hrs in the Office of the Member Secretary, Goa Energy Development Agency (GEDA), Panaji.

Note: In case of any Holiday on the scheduled day, same time on the next working day shall be considered unless notified.

Online mode of submission of Technical and Financial Bid is mandatory. Manual submission of any bid will not be accepted and will be rejected without any notice thereof. The bidder should scan & upload all the documents on the e-Tender website i.e. <https://goaenivida.gov.in>. If the Bidder fails to submit the (online) required documents as above, the bidder is likely to be rejected at the discretion of the Member Secretary, GEDA, Panaji, Goa.

(Sanjeev Joglekar)
Member Secretary (GEDA)

DISCLAIMER

1. Though adequate care has been taken while preparing the Tender document, the Bidders shall satisfy themselves that the document is complete in all respect. Intimation regarding any discrepancy shall be given to this office immediately. If no intimation is received from any Bidder within ten (10) days from the date of notification of Tender Notice/ issuance of e-Tender documents, it shall be considered that the document is complete in all respect and has been received / acknowledged by the Bidder(s).
2. GEDA reserves the right to modify, amend or supplement this document at any time.
3. While this tender document has been prepared in good faith, neither GEDA nor their employees or advisors make any representation or warranty, express or implied, or accept any responsibility or liability, whatsoever, in respect of any statements or omissions herein, or the accuracy, completeness or reliability of information, and shall incur no liability under any law, statute, rules or regulations as to the accuracy, reliability or completeness of this document, even if any loss or damage is caused by any act or omission on their part.

Place: Panaji, Goa

Date: 27/11/2020

INTERPRETATIONS

1. Words comprising the singular shall include the plural & vice versa.
2. An applicable law shall be construed as reference to such applicable law including its amendments or re-enactments from time to time.
3. A time of day shall save as otherwise provided in any agreement or document be construed as a reference to Indian Standard Time.
4. Different parts of this contract are to be taken as mutually explanatory and supplementary to each other and if there is any differentiation between or among the parts of this contract, they shall be interpreted in a harmonious manner so as to give effect to each part.
5. The table of contents and any headings or sub headings in the contract has been inserted for case of reference only & shall not affect the interpretation of this agreement.

SECTION-I

BID INVITATION

- Brief Description of the Bidding Process.
- The Member Secretary (GEDA), invites eligible bidder to submit a bid in accordance with the provisions of this Tender Document. In this Tender Document, the term "Bidder", which expression shall, unless repugnant to the context, include all parties who have submitted bids in response to this Tender Document within the stipulated time frame for submission.
- The Bidders shall submit the bids in two parts by following e-tendering process described in bidding documents. First part comprises of the technical bid and the second part comprise of the financial bid in accordance with this Tender Document.
- In terms of the Tender Document, a Bidder will be required to deposit, along with its Bid, a bid security as Earnest Money Deposit (EMD).
- The cost of Tender Document, Earnest Money (EMD) and the Tender Processing Fee shall be paid via e-payment mode.
- GEDA will open the technical bid of the Bidder, by e-tendering process. The financial bid will be open to those bidders who qualify in technical bid.
- The Bidder's Names, Bid prices and the presence or absence of the requisite and such other details as GEDA, at its discretion, may consider appropriate will be announced at the time of opening.

Bidders may in their own interest are advised to make a preliminary survey of the un-electrified houses. GEDA will not be responsible for any incidental or consequential losses of the bidders while execution and till expiry of the period of maintenance.

PARTICULARS OF THE TENDER

1	Tender Notice No.	TENDER NO. 1/70/ GEDA/RVE/2020-21/547
2	Particulars of the works	Design, manufacture, supply, installation, testing, commissioning of Solar Power Conditioning Units(PCU), Solar Street Light, Solar Home Light systems at various households in the State of Goa state with Comprehensive Maintenance Contract (CMC) for 5 years under Remote Village Electrification(RVE) programme
3	Earnest Money Deposit (EMD)	2 % of the Estimated Value (Rs 137400)
4	Security Deposit:	5% of contract value by Demand Draft (DD) in favor of Member Secretary, GEDA payable at Panaji-Goa.
5	Validity of offer for acceptance	120 days
6	Place for opening of the Tender	Office of the Member Secretary Goa Energy Development Agency 5 th Floor, Patto-Panaji-Goa
7	Address for communication and Venue for Tender opening	Office of the Member Secretary Goa Energy Development Agency 5 th Floor, Patto-Panaji-Goa Phone No: - 0832 - 2437401 /2437402 E-mail ID: - gedagoa@yahoo.com Website:www.geda.goa.gov.in.

The detailed notice, eligibility criteria and tender document can be downloaded from <https://goaenivida.gov.in>. Any further notice/information related to this tender shall be uploaded on online mode. GEDA reserves the right to reject any or all bids without assigning any reason thereof.

For assistance on e-Tender, please contact Mr. Sandesh Mandrekar : 9881740604, Mr. GAUTAM:8668635852 Mr. Sagar Narvekar:9673244598 Email: goasupport@c1 india.com.

Sd/-

(Sanjeev Joglekar)
Member Secretary (GEDA)

SECTION –II

INFORMATION AND INSTRUCTION TO BIDDERS

The Member Secretary (GEDA), invites bids from eligible bidders for Design, manufacture, supply, installation, testing, commissioning of Solar Power Conditioning Units (PCU), Solar Street Light, Solar Home Light systems at various households in the State of Goa state with Comprehensive Maintenance Contract (CMC) for 5 years under Remote Village Electrification(RVE) under Tender No: TENDER NO. 1/70/GEDA/ 2020-21/ 547

1. SCOPE OF CONTRACT:

The Scope of contract is as below:

- 1.1 Design, manufacture, supply, installation, testing, commissioning of Solar Power Conditioning Units(PCU) 500Wp capacity, Solar Street Lights (on the pathway), Solar Home Light systems (for kaccha houses) at various households in the State of Goa state with Comprehensive Maintenance Contract (CMC) for 5 years under Remote Village Electrification(RVE) programme.
- 1.2 Free replacement of defective components of systems within Comprehensive Maintenance Contract period (CMC) of 5 years after commissioning for efficient running of Solar Power Pack and streetlights.
- 1.3 Detailed planning for smooth execution of project.
- 1.4 Selected Bidder(s) shall be bound by operation and management arrangements and rules, regulations and modalities as per MNRE and as established by GEDA and mutually agreed between GEDA and the contractor for effective implementation of the project.
- 1.5 The Works are to be carried for households in various villages/hamlets of Goa. Bidder can quote only after the site visit.
- 1.6 The successful Bidder will be required to complete the works within the stipulated time as specified in the tender document. The bidder shall ensure that the systems should be installed and commissioned within 120 Days from the date of receipt of work order.
- 1.7 Bids shall be complete and cover all Works described in the Schedule of Prices.
- 1.8 Any item of works required for complete usable system shall be deemed to be included in bidder's scope irrespective of whether it is specifically mentioned or not in the price schedules.
- 1.9 The tenderer will have to quote for proposed systems.
- 1.10 Bidder should note that obtaining permissions from statutory bodies wherever required for execution of works, shall be entirely in bidder's scope.
- 1.11 Partial bids, or bids which do not cover the entire scope of the project will be treated as incomplete and not responsive to the terms and conditions of bidding and are liable to be summarily rejected.
- 1.12 The conditional tender shall be rejected out rightly.

2. ELIGIBILITY

The bidder shall provide sufficient documentary evidences to satisfy the following conditions, that the bidder:-

- 2.1 The tenderer shall be a reputed supplier of Solar Home Lights Models, solar Street lights, Solar power packs (off grid and grid tie). Experience certificate of designing, supplying, installing solar systems of atleast 100KW capacity (Off grid or Grid tie) shall be submitted.
- 2.2 Bidder/Organization should have ISO certification and registered with NSIC for installation, repairing, maintenance and commissioning of solar power inverters.
- 2.3 Tenderer/Bidders must have registrations of GST. All the registration documents should be provided.
- 2.4 Declaration of not being blacklisted in any Government authority/Government office on Rs. 100/- stamp paper.
- 2.5 Bidder should have overall annual turnover of at least 50 Lacs for last 3 financial years. (C.A. certificate should attach).
- 2.6 Certificate of site visit of above said work to GEDA, Goa as per the prescribed format.
- 2.7 Bidder should be empaneled channel partner to any state nodal agency in India. Bidder has to attach copy/document of empanelment.
- 2.8 Bidder shall have field service setup to provide good after sale services including necessary repair and maintenance in the state of Goa. Details of field staff with name, address of RMC (Repairing & Maintenance Center) and phone number with service setup address in Goa is required to attach

3. STANDARDS/ CERTIFICATES

The goods supplied and works executed under this contract shall confirm to the standards mentioned in the technical specification and where no applicable standard is mentioned, the latest version of Indian Standard Institution or Bureau of Indian Specification shall be applicable.

The Bidder shall submit all the valid test certificates and reports of the system components following the latest MNRE Guidelines and the same components shall be supplied for which the test reports/ certificates are submitted.

4. INSTRUCTIONS:-

- 4.1 Bidder shall upload Information, Experience Certificates and other such relevant document's specified in the list of other important documents.
- 4.2 The bidder should visit the site & carryout the survey along with the concern officer of Grampanchayat and upload the certificate indicating that the survey is carried out by the bidder as per **Annexure-8**. The tender submitted without site visit report will be rejected out rightly.
- 4.3 Only Technical Proposals conforming to minimum eligibility criteria and found to be responsive will be taken up for detailed technical evaluation. A technical section shall evaluate the Bids submitted by bidders for a detailed scrutiny. During evaluation of Bids, GEDA, may, at its discretion, ask the bidders for clarification of their proposals.
- 4.4 In case bidder fails in the technical bid; his financial bid shall not be opened & he shall be disqualified from further bidding process.
- 4.5 Price Proposals of bidders qualifying above conditions shall be subsequently opened.
- 4.6 The Lowest price quoted for the bid will be determined on the intimated date in presence of the present bidders.

- 4.7 The work order shall be issued to the successful bidder who qualifies in the complete process as mentioned.
- 4.8 The Bidder shall be responsible and take an Insurance Policy for transit-cum storage-cum-erection for all the materials to cover all risks and liabilities for supply of materials on site basis, storage of materials at site, erection, testing and commissioning. The bidder shall also take appropriate insurance during O&M period.
- 4.9 The bidder shall be deemed to have examined the bid document, to have obtained his own information in all matters whatsoever that might affect the carrying out the works in line with the scope of work specified elsewhere in the document at the offered rates and to have satisfied himself to the sufficiency of his bid. The bidder shall be deemed to know the scope, nature and magnitude of the works and requirement of materials, equipment, tools and labour involved, wage structures and as to what all works he has to complete in accordance with the bid documents irrespective of any defects, omissions or errors that may be found in the bid documents.
- 4.10 The Bidder shall also take insurance for Third Party Liability covering loss of human life, engineers and workmen and also covering the risks of damage to the third party/material/equipment/properties during execution of the Contract. Before commencement of the work, the Bidder will ensure that all its employees and representatives are covered by suitable insurance against any damage, loss, injury or death arising out of the execution of the work or in carrying out the Contract. Liquidation, Death, Bankruptcy etc., shall be the responsibility of bidder.
- 4.11 Bidder shall quote their rates considering wide variation of site conditions, variation in price, logistics and distribution needs, and keeping the quantum and quality of work in mind.
- 4.12 Bidder should upload only the documents which are asked to upload in the tender document.
- 4.13 All bids must be accompanied by EMD as specified in the Tender Notification and uploaded/furnished on or before the prescribed date and time given in this document. Bids submitted without EMD will be summarily rejected. Bidder would need to upload the required documents through electronic mode as part of their proposal.
- 4.14 The Bidder shall upload copies of :-
- 4.15 PAN and GST registration Certificate.
- 4.16 Income Tax returns of three previous assessment years.
- 4.17 GEDA reserves the right to reject or accept any or all tenders wholly or partly without assigning any reason on the grounds considered advantageous to GEDA, whether it is the lowest tender or not.
- 4.18 The Bid uploaded by the Bidder and all correspondence and documents in relations to the bid shall be in English language.
- 4.19 The work order is not transferable. Subletting is not allowed.
- 4.20 The GEDA will not entertain any claim at any stage from the successful bidder on the plea of not having sufficiently acquainted himself as to the site conditions

5. COST OF BIDDING

The bidder shall bear all costs associated with the preparation and submission of bid and GEDA will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.

6. LANGUAGE OF BID

The Bid uploaded by the Bidder and all correspondence and documents in relations to the bid shall be in English Language. Supporting documents and printed literature furnished by the bidder may be in another language provided they are accompanied by an accurate translation of the relevant passages in the English language duly authenticated and certified by the bidder.

Supporting materials, which are not translated into English, may not be considered. For the purpose of interpretation and evaluation of the Application, the English language translation shall prevail.

7. DOCUMENTS COMPRISING THE BID

The Bid prepared by the Bidder shall be uploaded in 'Two parts Viz.

Technical and Financial bids comprising the following components. Bids shall electronically submit online in the E-tender platform and the documents shall be scanned and submitted

8. OPERATION AND MAINTAINANCE

- 8.1 The Bidder shall be responsible for all required activities for O & M of the supplied solar systems for a period of 5 years from commissioning. During this period the bidder shall be responsible for supply of all spares parts as required from time to time for scheduled and preventive maintenance, replacement of defective modules , inverters PCUs etc.
- 8.2 Bidder shall conduct quarterly comprehensive O & M.
- 8.3 For any issues related to maintenance, customer care number/ single point of contact shall be made available to the rooftop owner/ plant owner to resolve within 48 hours. The successful Bidder shall attend the complaints and undertake the repairs within 48 hours from the receipt of the complaint telephonically or in writing from the GEDA or owner of the project. If the complaints are not attended within such stipulated time, then penalty charges at the rate of 0.05% per week of the total cost will be deducted from Bidder Performance Bank Guarantee (PBG).
- 8.4 Further, if the successful Bidder does not attend complaints within 2 weeks of the time period then the repair work will be carried out by GEDA from any other Manufacturer/Supplier and the respective billing amount will be deducted by GEDA from the PBG of the Bidder. In such cases the Bidder is also liable to be blacklisted.
- 8.5 In case of equipment including Inverter if the spares are not available or the Inverter cannot be repaired the successful bidder should replace the faulty equipment with new one at his own cost.
- 8.6 GEDA reserves the right to make surprise checks/ inspection visits at its own or through authorized representative to verify the O&M activities being carried out by the successful Bidder. Failure to adhere to above guidelines will result in penal action including debarring from participation in next tender

Part I

Technical Proposal shall contain:

Bidder shall submit relevant certificates to demonstrate the financial, technical capabilities & eligibility criteria prescribed under this Tender Document. In this regards the Bidder shall upload following minimum documents/ information for technical or financial evaluation.

- Undertaking (Rs.100) and declaration that all the terms & conditions mentioned in each and every page of the said tender document along with the clarifications released are acceptable. **Annexure 14**
- Bidder's Information Sheet **Annexure 3**
- Firm's Profile at a Glance. **Annexure 4**
- Financial Status. **Annexure 5**
- Annual Turnover **Annexure 6**
- Self Certification of No Barr/non failure/blacklisted. **Annexure 12**
- Installation and performance credentials
- Experience certificate of Designing, supplying, installing of all types of Solar system and solar 3power pack total minimum 50kw capacity with completion certificate. **Annexure 7**
- GST Registration Certificate.
- Last 3 years audited balance sheets.
- All copies of BIS, IEC,ISO,MNRE,MSME,NSIC certifications.
- Copy of empanelled channel partner with state nodal agency in India.
- Solar Power conditioning system/ Inverter should be tested at any Govt. Lab.
- Copy of test certificate is required to attach. Work orders with completion certificate of at least total 100KWp solar systems installed in India.
- Bidder should attach details of service setup with service provider staff details.
- Service provider staff should be resident of Goa for last 2 years.

The Bidder is expected to examine all instructions, forms, terms and specifications in the Tender Documents. Failure to furnish all information required, by the Bidder, documents or submission of a Bid not substantially responsive to the Tender documents in every respect or incomplete bid document will be at the Bidder's risk and may result in rejection of its Bid.

The bidder shall also submit the hard copies of the all the particulars asked in technical bid by post or courier

Part II

FINANCIAL BID:

- 1) The bidder should quote the offer rate per unit in rupees (in figures) and the total contract tender estimate as shown in **Price schedule format**. No hard copies of any document will be accepted. Rate shall be exclusive of GST.
- 2) Installation, testing, commissioning charges include destination prices inclusive of packing, forwarding, freight, inland transportation, insurance, loading, unloading, supply, distribution, collection, testing inspection and any/ all charges incidental for successful Design, manufacture, supply, installation, testing, commissioning of 500Wp solar module 1000VA 12V Power Conditioning system, Solar Street Light, Solar Home Light systems at various households in the State of Goa with Comprehensive Maintenance Contract (CMC) for 5 years under Remote Village Electrification (RVE) programme in different villages of Goa state with Comprehensive Maintenance Contract (CMC) for 5 years under Remote Village Electrification Programme in the State of Goa. Prices shall be quoted in Indian Rupees only.
- 3) In no circumstances, escalation in the prices will be entertained.
- 4) Financial Bid uploaded with an adjustable price quotation will be treated as non responsive and will be rejected.
- 5) Any Bid not in accordance with above clauses of this Section will be rejected

EARNEST MONEY DEPOSIT (EMD), SECURITY DEPOSIT (SD) , FORFEITING OF EMD & PERFORMANCE BANK GUARANTEE(PBG):

A. EARNEST MONEY DEPOSIT:

The Earnest Money Deposit of 2% of the estimated value should be paid online through respective portal. Tender without Earnest Money Deposit will be outrightly rejected. No interest shall be payable on the amount of Earnest Money. It shall be retained by GEDA. EMD shall be returned to unsuccessful Bidders after acceptance of work order by successful Bidder and EMD of successful Bidder shall be returned after submission of security deposit.

The Micro and Small Scale Industrial Units registered anywhere in India and holding subsequent registration with CSPO / NSIC / DGS&D, Registration Certificates mentioning specific activity of solar system commissioning and maintenances will be eligible for exemption from payment of EMD on submission of duly notarized copies of their SSI (SSI/ MSME Part-II/Udyog Aadhaar Memorandum) & CSPO/ NSIC/DGS&D Registration Certificates in EMD Cover. The "SSI" (NSIC/SSI/MSME Part-II/ Udyog Adhar Memorandum) & NSIC/CSPO/DGS&D certificate should indicate the solar installation, commissioning and installation activity. In case of Udyog Aadhaar Memorandum, it should indicate the manufacture of related group of item. Provisional Registration Certificates are NOT allowed.

B. FORFEITING OF EMD

The EMD paid or submitted by the Bidder shall be forfeited if:-

- 1) The Bidder withdraws his tender before finalization of work order.
- 2) The Bidder does not accept work order.
- 3) The Bidder violates any of the terms and conditions of the tender.

- 4) The Bidder fails to deposit requisite Security deposit.
- 5) The Bidder fails/refuses to execute the order as herein, the Bidder shall be deemed to have abandoned the contract & such an act shall amount to and be construed as the Bidders calculated and willful breach of contract, the cost and consequence of which shall be to the sole account of the Bidder and in such an event the GEDA shall have full right to claim damages thereof in addition to the forfeiture of EMD.

C. SECURITY DEPOSIT (SD):

1. The Bidder shall furnish SD at 5% of the total contract value within 10 days from the date of issue of work order (including Sunday and public holiday) by way of demand draft of nationalized bank in favor of Member Secretary, Goa Energy Development Agency, Panaji.
2. Failure to comply with the terms of SD shall result into cancellation of work order without any further reference to the Bidder and the EMD shall be forfeited.
3. The SD shall be liable to be forfeited wholly or partly at the sole discretion of the GEDA, if the Bidder either fails to execute the work of above projects or fails to fulfil the contractual obligations or fails to settle in full his dues to the GEDA.
4. In case of premature termination of the contract, the SD deposit will be forfeited and the GEDA will be at liberty to recover the losses suffered by it & if additional cost is to be paid, the same shall be recovered from the Bidder.
5. The GEDA is empowered to recover from the SD for any sum due and for any other sum that may be fixed by the GEDA as being the amount or loss or losses or damages suffered by it due to delay in performance and/or non-performance and/or partial performance of any of the conditions of the contract and/or non-performance of guarantee obligations.
6. The security deposit shall be released to the Bidder only after contract is completed to the satisfaction of the GEDA.

D. PERFORMANCE BANK GUARANTEE (PBG)

Performance Bank Guarantee shall be submitted within 15 days from the date of commissioning of the systems. Successful bidder must deposit Performance Bank Guarantee (PBG) fees @ 15% of the project cost to GEDA as per **Annexure 15** with validity till completion of 5 years maintenance period.

The PBG shall be released after 5 years from the date of commissioning on compliance of entire obligations in the contract.

The PBG shall be forfeited without prejudice to the Bidder being liable for any further consequential loss or damage incurred to GEDA, if the installed systems does not perform O & M period as per specifications given in the tender, respective PBG amount submitted towards such capacity commissioned by the successful Bidder shall be forfeited.

Further, the said bidder may be black-listed for a period of one year or more from participating in any of the bids invited by GEDA. Also, GEDA would be free to intimate such black-listing to various state/central utilities/ Ministry of Power/ Ministry of New & Renewable Energy/ State Governments/ other agencies not to consider the said agency for any assignment including of the same on websites.

8. PRICE VARIFICATION

Under any circumstances & for any reasons, escalation in the contract value will not be considered by GEDA.

9. JURISDICTION

In case of any dispute, in the documentation and during implementation, commissioning, completion and CMC period, all the matter will be resolve under Goa Jurisdiction only.

10. TIME FRAME

The time frame for the completion of work is 120 Days from the date of issue of work order.

11. PERIOD OF VALIDITY OF BID

Bids shall remain valid for 120 days after the date of opening of Technical Bid. A Bid valid for a shorter period shall be rejected by GEDA as non-responsive.

In exceptional circumstances, GEDA may solicit the Bidder's consent to extend the period of validity. The request and the responses thereto shall be made in writing.

12.MODE OF SUBMISSION OF BIDS

The Bids shall be submitted electronically in the e-tender platform only.

Bids sent by any other mode like in person, post, Telex or Fax or e-mail will be rejected.

GEDA may at its discretion require any Bidder to submit the hard copy of any of the document submitted on e-tender platform.

13. AMENDMENT OF BIDDING DOCUMENT

At any time prior to the deadline for submission of bids, the GEDA may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the bidding documents by issuing addenda.

Any addendum thus issued shall be part of the bidding documents pursuant to Sub-Clause and shall be communicated through the website

In order to afford prospective bidders reasonable time in which to take an addendum into account in preparing their bids, or for any reason deemed appropriate by the GEDA, the GEDA may extend the deadline for submission of bids.

The pre-bid meeting shall be the part of the tender documents

14. DEADLINE FOR SUBMISSION OF BIDS

Bids must be uploaded by the bidder through e-tender process not later than the time and date specified in the invitation for Bids. The GEDA may, at the discretion, extend this deadline for submission of bids by issuing an addendum, in which case all rights and obligations of GEDA and Bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

15. LATE BIDS

In online e-tender system, you shall not be able to submit the bid after the bid submission time and date as the icon or the task in the e-tender portal will not be available.

16. CLARIFICATION OF BIDS

During evaluation of Bids, GEDA may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing and no change in prices or substances of the Bid shall be sought, offered or permitted.

17. PRELIMINARY EXAMINATION

- 17.1 The GEDA will examine the Bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.
- 17.2 Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected. If there is a discrepancy between words and figures, the lower of the two will prevail. If the Bidder does not accept the correction of errors, its bid will be rejected.
- 17.3 GEDA may waive any minor infirmity or non- conformity in a bid, which does not constitute a material deviation, provided such a waiver does not prejudice or affect the relative ranking of any bidder.
- 17.4 Prior to the detailed evaluation, the GEDA will determine the substantial responsiveness of each bid to the Tender Documents. For purposes of these Clauses, a substantially responsive bid is one, which conforms to all the terms and conditions of the Tender Documents without material deviations. Deviations from or objections or reservations to critical provisions such as those concerning Performance Security, applicable Law and taxes and duties, Warranty, Force Majeure will be deemed to be a material deviation. GEDA's determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.
- 17.5 If a bid is not substantially responsive, it will be rejected by GEDA and may not subsequently be made responsive by the Bidder by correction of the non-conformity

18. ACCEPTANCE OR REJECTION OF BIDS

- 18.1 GEDA reserves the right to accept or reject any bid or all the bids and to annul the bidding process and reject all bids at any time prior to award of contract, without thereby incurring any liability or any obligation to inform the affected bidder or bidders of the grounds for the said action.
- 18.2 Any Bid with incomplete information is liable for rejection.
- 18.3 For each category of pre-qualification criteria, the documentary evidence is to be produced duly attested by the authorized representative of the bidder and serially numbered. If the documentary proof is not submitted for any/all criteria the Bid is liable for rejection.
- 18.4 If any information given by the bidder is found to be false/ fictitious, the Bidder will be debarred for 3 years from participating in any other tenders of Govt., of Goa and will be black listed

19. CRITERIA FOR EVALUATION OF BIDS

Step1- Test of Responsiveness

Step 2 - Bid evaluation

Step 1: Test of Responsiveness

- Prior to evaluation of Bids, GEDA shall determine whether each Bid is responsive to the requirements of the tender document. A Bid shall be considered responsive only if all documents as outlined in the tender document for two stage bid process are submitted as per the pre-defined format.
- The GEDA reserves the right to reject any Bid which is non-responsive and no request for alteration, modification, substitution or withdrawal shall be entertained by the GEDA in respect of such Bid.

Step 2: Bid Evaluation

Bid evaluation will be carried out considering the information furnished by Bidders as per the Tender documents. This process will involve evaluation of the response to tender document of the Bidder as per terms and conditions of this Tender Document. Based on technical/qualifying criteria preferred bidders will be short listed

Technical Evaluation

Only Technical Proposals conforming to minimum eligibility criteria and found to be responsive will be taken up for detailed technical evaluation. A technical/tender committee shall evaluate the Bids submitted by bidders for a detailed scrutiny. During evaluation of Bids, GEDA, may, at its discretion, ask the bidders for clarification of their Proposals.

Financial Evaluation.

The price bids of the eligible bidders will then be evaluated in the manner provided below:-

- 1) At the outset, the price bids of all the Bidders who are technically qualified in technical evaluation shall be opened in the presence of the Bidders' Representatives who choose to attend.
- 2) The bidder's names, the Bid Prices, the total amount of each bid, any discounts, and such other details as the GEDA may consider appropriate, will be announced and recorded by the GEDA at the opening. The bidder's authorized representatives will be required to sign this record.
- 3) Bidder that has quoted the lowest price (inclusive of all the taxes/duties) shall be declared as the preferred Bidder.
- 4) The work orders shall be issued to the successful bidder who ever qualifies in the complete process as mentioned.

20. AWARD CRITERIA AND AWARD OF CONTRACT

GEDA will award the Contract to the successful Bidder whose Bid has been determined to be substantially responsive and has been determined as the lowest evaluated Bid as per the criteria mentioned above, provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily.

21. CORRUPT OR FRAUDULENT PRACTICES

- GEDA requires that Bidders shall observe the highest standard of ethics during the execution of contracts. In pursuance of this policy, GEDA Defines, for the purposes of this provision, the terms set forth as follows: "corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution; and "fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Government, and includes collusive practice among Bidders (prior to or after tender submission) designed to establish tender prices at artificial non-competitive levels and to deprive the Government of the benefits of free and open competition;
- GEDA shall reject a proposal for award if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;
- GEDA shall declare a firm ineligible, 3 years for a period of time, to be awarded a Government financed contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a contract.

SECTION – III

GENERAL CONDITIONS OF CONTRACT (GCC)

1. GENERAL TERMS AND CONDITIONS

The following are the General Terms and Conditions of Contract of Design, manufacture, supply, installation, testing, commissioning of Solar Power Conditioning Units (PCU), Solar Street Light, Solar Home Light systems at various households in the State of Goa with Comprehensive Maintenance Contract (CMC) for 5 years under Remote Village Electrification(RVE) programme as per the specifications given in the document.

- 1.1 The scope includes all the activities from Design, manufacture, supply, installation, testing, commissioning of Solar Power Conditioning Units(PCU)(250Wp X 2), Solar Street Light, Solar Home Light systems at various households in the State of Goa state with Comprehensive Maintenance Contract (CMC) for 5 years under Remote Village Electrification(RVE) programme as per MNRE specifications.
- 1.2 The tenderer shall handover the material to the Grampanchayat and see that the entry is made in their register. Once the entry is made, the tenderer shall start the installation and commissioning activity.
- 1.3 Supply of manual for Operation and Maintenance in English & Marathi to GEDA. The selected tenderer shall supply Marathi Operation and Maintenance Manual of to each user and Maintenance Manuals to Grampanchayat of the Hamlet / village.
- 1.4 Commissioning of the entire system and carrying out comprehensive maintenance of the system for the period of 5 years after successful commissioning of the system and submission of all documents duly signed by Beneficiary, Gramsevak, Manufacturer and GEDA Officials as the case may be.
- 1.5 Training to the user for operation and maintenance of the system and submission of certificate from Gramsevak/Panchayat Secretary for each village.
- 1.6 The tenderer shall handover the system after commissioning to the concerned Grampanchayat and submit the certificate duly signed by the tenderer, GEDA official and Grampanchayat official.
- 1.7 The successful tenderer shall supply the guarantee card as per **Annexure-13**.
- 1.8 Once the systems are installed the users will carry out the daily operation and maintenance of systems. However it is responsibility supplier to provide necessary maintenance spares for 5 years trouble free operation of the systems free of cost.
- 1.9 The tenderer has to submit the quarterly functioning status of the systems duly certified by beneficiary and Gramsevak.
- 1.10 Any additional works not covered above, but necessary for the functioning of the system and required as per specification incorporated. The items of minor nature, which are not mentioned, shall be incorporated by the tenderer.
- 1.11 PLEASE NOTE THAT THE QUANTITIES PROVIDED IN THE TENDER DOCUMENT ARE APPROXIMATE AND IT MAY INCREASE OR DECREASE. HOWEVER THE TENDERERS SHALL VISIT THE PLACES OF INSTALLATIONS AND VARIFY EACH AND EVERY HOUSE, SITE CONDITIONS, APPROCH ROAD, REQUIREMENT OF LAND, SOIL CONDITIONS, WATER AVALIBILITY. IF AT LATER STAGE GEDA INFORMS THE TENDERER TO SUPPLY ADDITIONAL QUANTITY, THE TENDERER SHALL SUPPLY, INSTALL & COMMISSION THE ADDITIONAL NUMBER OF SYSTEMS AT THE SAME RATES SPECIFIED IN WORK ORDER.

- 1.12 Tenderer shall also confirm that the village/Hamlet is not electrified by Conventional energy. Successful Tenderer shall not supply the systems to electrified village. During the inspection of GEDA officials, if it is observed that the village is electrified by Conventional energy, and successful tenderer has supplied the systems in that village, GEDA shall not release the payment against that village.
- 1.13 The successful Tenderer/s shall be required to submit monthly progress report duly certified by Grampanchayat during the execution of work on projects allotted by GEDA, and performance report after commissioning on quarterly basis till completion of Comprehensive Maintenance Contract (CMC) of 5 years period as per the formats which shall be forwarded at the time of placing Work Order.
- 1.14 The tenderer shall submit one hard and one soft copy of photographs of each hamlet/ village depicting Solar installation and individual beneficiary. The photographs should display small board indicating name of Hamlet & Village OR Village as the case may be and beneficiary with his name.
- 1.15 The tenderer shall display a notice board at prominent place at the project site to the effect that project have been financially supported by GEDA and Govt. of Goa. The display board shall be fabricated as per design given in **Annexure-16**.
- 1.16 The tenderer shall impart the training to the villagers and accordingly he has to submit photographs of the training programme and the certificate as given in **Annexure-11**.
- 1.17 Bidder shall be responsible for any damage occurred, if any, during installations of Solar power packs, solar home lights and solar street lights.
- 1.18 The Bidder should provide appropriate tools and equipment's to the workmen and ensure that those are in proper working condition and the workmen use the appropriate tools and take precaution "PLEASE NOTE THAT ANY ACCIDENT TO THE WORK MEN / PUBLIC / ANIMALS / PROPERTY BOTH MOVABLE AND IM-MOVABLE SHALL BE ENTIRE AND SOLE RESPONSIBILITY OF THE BIDDER AND ANY PROCEEDING ARISING OUT OF THE SAME SHALL BE AT THE BIDDER'S RISK AND COST, GOAENERGY DEVELOPMENT AGENCY (GEDA) OR ITS EMPLOYEES WILL NOT BE RESPONSIBLE FOR ANY SUCH INCIDENT".
- 1.19 Bidder should provide necessary manufacturer's test certificates for materials being used for the work. Bidder should provide facilities and bear the cost for the same. Power curve of all the panels erected by manufacturers shall be provided to the GEDA.
- 1.20 The selected Bidder is bound to work on the guideline provided by GEDA from time to time. Guidelines if issued in future by GEDA, the changes proposed will also be applicable without enhancement in project cost till the completion of 5 years period.
- 1.21 The Bidder shall carry out the work strictly according to the specifications as per given in Section-IV and complete the work within stipulated time.
- 1.22 It is the responsibility of Bidder to submit the reports for systems installed & commissioned and certificates for undertaking the responsibility of maintenance of the systems to GEDA with a copy to user agency. Bidder shall also impart training to the user for regular Operation & Maintenance of Solar power packs , solar home lighting system and solar street lighting system and certificate in this respect should be submitted.
- 1.23 Bidders should give Guarantee against any manufacturing defects from the date of commissioning up to CMC period. For any manufacturing defects, supplier shall replace defective parts at free of cost during the CMC period and shall keep the system functional.

- 1.24 Bidders shall allow GEDA officials for inspection as and when necessary, during the execution of work and thereafter subsequent to installation and commissioning of the work for the purpose of issuing final completion certificate.
- 1.25 In the event of any discrepancy observed in specifications, the specifications given by GEDA will be final. In the event of dispute arising any time, related to this work and document, decision of the Member Secretary, GEDA or his nominee shall be final.
- 1.26 GEDA at its discretion may visit supplier's factory for testing / inspection at any time during the period of supply and installation of the systems.
- 1.27 GEDA will not pay any interest on any amount, due to the Bidders.
- 1.28 During the inspection, if any deviations in Technical Specifications are observed, GEDA reserves right to test any solar module / system/Instruments at any authorized test centre of MNRE. Bidder shall provide the facilities for getting the sample tested & the supplier shall bear the cost for the same.
- 1.29 If the supplier fails to complete the work or partially completes it then, GEDA reserve right to cancel the work order and get it done from other supplier and any loss due to this shall be recovered either from any amount due to the supplier or from his Security Deposit.
- 1.30 At the time of inspection of GEDA, manufacturer or supplier has to submit the I.V. curves and test reports of supplied PV modules, Inverter (CPU), Batteries to respective officer.
- 1.31 Also the manufacturer has to submit the relevant IEC / IS certification (test reports) of devices which they have installed.
- 1.32 The Copper Wiring must be carried out in casing-capping / conduit which are suitable as per site condition.
- 1.33 It will be responsibility of the Bidder to ensure the satisfactory performance of the systems.
- 1.34 Please note that for any of the discrepancy observed during the period of installation and commissioning, conditions specified in tender by GEDA shall be final & binding.
- 1.35 If previous performance of any Bidder found unsatisfactory, he will be disqualified.
- 1.36 If any information / confirmation on any point of these tender conditions are required Bidder may contact / write to Member Secretary GEDA, Panaji giving tender reference no. etc.
- 1.37 In the event of dispute during installation of home lighting and street lighting systems related to the work and documents, decision of the Member Secretary GEDA, shall be final.
- 1.38 Once the Bidder submit his offer and subsequently if not interested to work,in such case GEDA will forfeit his EMD amount.
- 1.39 At the time of placing work order and during the implementation GEDA can revise the technical terms and conditions if revised by MNRE, which will be binding on the Bidder.
- 1.40 Member Secretary GEDA, reserves the right to select L2 Bidder i.e. second lowest Bidder to complete the work, if L1 i.e. lowest Bidder fails to fulfil tender conditions or fails to complete the work.
- 1.41 It is binding on the successful Bidder to submit original certificates, documents required by GEDA.
- 1.42 Before submission of the tender document the tenderer shall visit the site and will submit site visit report . The tender submitted without site visit report will be rejected out rightly.

- 1.43 The rate quoted in the tender will be inclusive of CMC of 5 years transportation, loading, unloading, all taxes and duties and no extra claim on any account will be entertained by GEDA. The tenderer will be totally responsible for complying with all rules and requirements concerning to taxes and duties.
- 1.44 Selected manufacturer shall visit the site regularly and carry out the operation and maintenance of the system. In this respect Manufacturer has to submit quarterly report duly signed by user to GEDA regularly up to 5 years. As per the requirement manufacturer has to add distilled water in the battery bank.
- 1.45 The manufacturer shall quote for 5 years Operation and The cost of CMC shall be taken in to account while evaluating the tender cost for the project

2. COMMUNICATIONS

- a) Wherever provision is made for the giving or issue of any notice, instruction, consent, approval, certificate or determination by any person, unless otherwise specified such communication shall be in writing and shall not be unreasonably withheld or delayed.
- b) Project review coordination meetings between the GEDA, GEDA's Representative and Contractor shall be conducted on a regular basis or as and when required by the GEDA, at locations decided by the GEDA, to review the Contractor's progress and plans for completing the remaining Works, to deal with matters affecting the progress of the Works, and to decide on responsibility for actions required to be taken. Decisions taken and instructions issued during the coordination meetings, as recorded in the Minutes, shall have the same force and effect as if they were written communications issued in accordance with the three preceding paragraphs.

3. The estimated work cost of the systems and EMD Details is given below.

No	Block/ Taluka	V.P.	village/wada	No. of houses	No of PCU to be installed	No of SHLs to be installed	No of SSLs to be installed
1	Canacona						
		Khotigao	Keri	16	16	-	05
			Yendrem	04	03	01	02
			Morphondamol	04	04	-	02
			Kuskem	01		01	01
		Gadongri	Bhuper , Varchawada	28	26	02	02
2	Quepem	Caurem- pirla	Camon-Maina Ubefator	06	06	-	03
			Sulcorna- Naqueri	02	02	-	01
		Morpirla	Konir-Nasikwada	04			
			Zaribhat	01	01		
3	Ponda						
		Nirankal	Wanarmare wada	17	16	01	01

4	Bicholim	Latambarse	Khaitwada	01		01	01
			Panaswada	04	04		02
5	Sattari	Nagargao	Satre	06	06	-	04
			Vaiguinim	09	09	-	05
			kodal	04	04	-	02
		Savordem	Kajredhat	03	03	-	03
			Kadval	02	02	-	01
		Khatorem	Nimnichigal Gawane	04	04	-	02
6	Dharbandora	Dharbarda	Gavaliwada Thatoti Dharbandora	07			
		Collem	Shigao- Sonaulim-Collem	11	11		04
			Matojem-Shigao	03	03	-	01
7	Sanguem	Kallay	Maulinge	02	02	-	01
			Bondel,Thorlemol	06	06	-	03
		bhati	Zuna	05	05	-	02
			Vagpet Patre	03	03	-	02
			Dhargini	02	02	-	01
		Netraivalim	Khutiwada	01	01	-	01
			Nunem	01	01	-	01
			Vichundrem	02	02	-	01
			Devare	03	03	-	01
		Savordem	Corrainguinin, Mirabag	06	06	-	03
					151	06	58

Due to local conditions number of systems may vary and accordingly number of systems may consider for work order.

4. MANNER OF EXECUTION

Execution of work shall be carried out in the approved manner as outlined in the technical specifications or where not outlined, in accordance with relevant MNRE/ BIS/ Indian Standard Specifications, to the reasonable satisfaction of GEDA.

The Contractor/Agency should successfully complete the project within timeframe set out by the GEDA and mutually agreed between Contractor/Agency and GEDA.

5. APPLICATION

These General Conditions shall apply to the extent that they are not superseded by provisions in other parts of the contract.

6. STANDARDS

The goods supplied under this contract shall confirm to the Standards mentioned in the Technical specification Section as per the MNRE/GEDA requirements and, when no applicable standard is mentioned, to the authoritative standard appropriate to the Good's country of origin and such standards shall be the latest issued by the concerned institution.

7. INSPECTION:

Bidder shall inform GEDA, in writing when any portion of the work is ready for inspection giving sufficient notice to enable GEDA to depute officials to inspect the same without affecting the further progress of the work. The work shall not be considered in accordance with the terms of the contract until the competent person from GEDA certifies in writing to that effect.

Bidder has to strictly follow the specifications given in the work order while carrying out the execution of work. During inspection if it is found that Bidder has deviated from the specifications, Bidder has to do the alteration/modification/ reconstructions as per the given specifications at his own cost & risk.

8. TRANSPORTATION

Where the Contractor/Agency is required under the contract to transport the goods to specified locations defined as Project sites, transport to such places including insurance, as shall be specified in the contract, shall be arranged by the Contractor/Agency, and the contract price shall include transportation costs.

9. TERMS OF PAYMENTS:-

Village-wise Payment will be released after availability of funds from the Govt. of Goa as follows:-

- 1.** 50% of the Basic cost will be released on supply, installation and successful commissioning of all systems and after submission of following documents:-
 - a. Proof of compliance certificate from Gramsevak / Village Development Officer of concerned Gram Panchayat **(as per Annexure-12)**.
 - b. Successful commissioning report duly certified by GEDA official, representative of Manufacturer.
 - c. Declaration certificate from each beneficiary of the village **(as per annexure-13)**.
 - d. Invoice (2 copies)
 - e. Photograph of each installation along with beneficiary.

- 2.** 50% of the Basic cost and CMC cost (Comprehensive Maintenance Contract) will be released on submission of following documents:-
 - a. One month performance report of installed systems duly certified by Gramsevak / Village Development Officer of concerned Grampanchayat and GEDA Officer.
 - b. Performance Bank Guarantee of Nationalized Bank for 15% amount of total basic cost valid for 5 years period from the date of successful commissioning of the systems.
 - c. Photographs and Certificate of Concerned Grampanchayat in respect of operation and maintenance training provided.(as per Annexure Bank Guarantee of total cost of CMC amount valid for 5 years period from the date of successful commissioning of the systems

Performance Bank Guarantee and Bank Guarantee of CMC amount shall be revoked in case of non performance of solar Home lights & street lights inspected by GEDA Officer and not attended by the tenderer within two week.
All applicable taxes will be deducted as per the Govt. rules and regulations.

10. LIQUIDATED DAMAGES / RISK PURCHASES

In case the successful tenderer fails to complete the work within the time period specified in the purchase order / contract with GEDA, Goa a sum equivalent to 1% of the total cost shall be deducted for each week of delay subject to a maximum deduction of 10% of the total project cost which the tenderer has quoted.

11. PENALTY CLAUSE

If the systems are not installed and commissioned within the stipulated period as mentioned in the work order the Bidder shall be required to pay penalty of 1/2% (half percent) per week, maximum up to 10% of the total cost of the systems and the amount shall be recovered either from the amount due to the Bidder or from security deposit.

12. ASSIGNMENT

The Contractor/Agency shall not assign, in whole or in part to any third party, its obligations to perform under the contract, except with GEDA's prior written consent.

13. SUB-CONTRACTS

Subcontract is strictly prohibited.

14. TERMINATION FOR DEFAULT

GEDA without prejudice to any other remedy for breach of contract, by written notice of default sent to the Contractor/ Agency, terminate the contract in whole or part:

If the Contractor/ Agency fails to deliver any or all the goods within the period(s) or within any extension thereof granted by the GEDA or If the Contractor/ Agency, in the judgment of GEDA has engaged in corrupt or fraudulent practices in competing for or in executing the contract. In the event GEDA terminates the contract in whole or in part, GEDA may procure, upon such terms and in such manner as it deems. Appropriate goods or services similar to those undelivered and the Contractor/Agency shall be liable to GEDA for any excess costs for such similar goods or services. However, the Contractor/Agency shall continue the performance of the contract to the extent not terminated.

15. APPLICABLE LAW

The contract shall be interpreted in accordance with the laws of the Union of India.

16. INSURANCE:

The bidder shall provide insurance coverage ex-factory until commissioning and acceptance for replacement or repair of any part of the consignment due to damage or loss

SECTION-IV

TECHNICAL SPECIFICATION :-

1. SOLAR HOME LIGHT SYSTEM:

LED BASED SOLAR HOME LIGHTING SYSTEMS: A solar home lighting system (SHS), converts solar energy into electricity and provides a comfortable level of illumination in one or more rooms of a house.

The SHS consists of a PV module, Charge controller, VRLA/SMF battery, mobile charging port and LED of 6 W x 2 nos. The system is designed to work for three to four hours daily, with an autonomy of three days i.e. the system can function for three consecutive cloudy days.

A PV module is usually mounted on the roof of the house or any other convenient place so that it is exposed to direct solar radiation throughout the day, avoiding any shadow. The module converts incident solar radiation into electricity, which, in turn, charges the battery. The battery is placed inside the house. The battery provides power to the light source. A charge controller prevents overcharging and deep discharge of the battery

BROAD PERFORMANCE SPECIFICATIONS: The broad performance specifications of a LED light source based solar home lighting system are given below (2 LED indoor lights and 1 mobile charger)

Module	<p>Polycrystalline PV Module 1 x 37 Wp under STC Crystalline technology modules are allowed in the system.</p> <ul style="list-style-type: none">a) The PV module should have certificates of testing conforming to IEC 61215 Edition II / BIS 14286 or IEC 61646 for crystalline. The bidder should produce manufacturer certificate issued by an NABL or IECQ accredited Laboratory.b) The power output of the module(s) under STC should be a minimum of 37 Wpc) The operating voltage corresponding to the power output mentioned above should be 16.4±0.2V.d) The terminal box on the module should have a provision for opening for replacing the cable, if required.e) Each PV module must use a RF identification tag (RFID), which must contain the following information:<ul style="list-style-type: none">(i) Name of the manufacturer of PV Module(ii) Model or Type Number(iii) Serial Number(iv) Month and year of the manufacture(v) I-V curve for the module

	(vi) Peak Wattage of the module at 16.4 volts (vii) Im, Vm and FF for the module (viii) Unique Serial No and Model No of the module The PV module(s) will be warranted for a minimum period of 10years from the date of supply.
Battery	Battery 1 x 12V, 26AH. SMF/VRLA Battery
White LED Lights (2 Nos)	6 Watts White Light Emitting Diode (LED) . i) The light output from the lamps should be around 500±5 % lumens ii) The lamps should be housed in an assembly suitable for indoor use, with a reflector on its back While fixing the assembly the lamp should be preferably held in a base up configuration. iii) No blackening or reduction in the lumen output by more than 10% should be observed after 1000 ON/OFF cycles (two minutes ON followed by four minutes. iv) The colour temperature of LEDs used in the system should be in the range of 5500oK–6500oK. v) LEDs should not emit ultraviolet light. vi) The light output from the LED light source should be constant throughout the duty cycle
Mounting of light	Wall or ceiling
Electronics	i) Should have min 85 % efficiency. ii) Protection for reverse flow of current through the PV module(s) should be provided. iii) Fuses should be provided to protect against short circuit conditions.
Average duty cycle	4 hours a day under average daily insolation of 5.5 kWh/sq.m. on a horizontal surface
Facility for Mobile Charging	USB port for Mobile Charging. However, in case of mobile charging, the duty cycle for light to be reduced /adjusted accordingly
Indicators	The system should have two indicators, green and red. The green indicator should indicate the charging under progress and should glow only when the charging is taking place. It should stop glowing when the battery is fully charged.
Battery Autonomy	4 days or Minimum 20 operating hours per permissible discharge.

Mounting Structure	Corrosion resistant metallic frame structure should be provided to hold the SPV module. The frame structure should have provision to adjust its angle of inclination to the horizontal, so that it can be installed at the specified tilt angle.
User Manual	An Operation, Instruction and Maintenance Manual, in English and the local language, should be provided with the Solar Home Lighting System. The following minimum details must be provided in the Manual: Basic principles of Photovoltaics. A small write-up (with a block diagram) on Solar Home Lighting System - its components, PV module, battery, electronics and luminaire and expected performance. Significance of indicators. Type, Model number, voltage & capacity of the battery, used in the system. Clear instructions on regular maintenance and trouble shooting of the Solar Home Lighting System. DO's and DONT's. Name and address of the contact person for repair and maintenance.
Warranty	The complete Solar Home System (including the battery) will be warranted for a period of five years from the date of supply.

2. SOLAR STREET LIGHT SYSTEM (COMPOSITE)

Components	Specification for Solar street light fitting
PV module	75 Wp under STC
Battery	Minimum 12.8V, 30 AH capacity Lithium Ferro Phosphate battery.
Light Source	White Light Emitting Diode (W-LED) 12 Watt, W-LED luminaire, dispersed beam, soothing to eyes with the use of proper optics and diffuser. LED Chip should be compliance to IES: LM-80 (Approved Method for Measuring Lumen Maintenance of LED Light Sources and LED lumen depreciation time to L70). Test report for same should be submitted
Light Output	<p>The luminaire must use high efficacy W-LED with minimum 135 lumens per watt (and UV free). [A certificate to be submitted by the System supplier to the Test Lab during certification]</p> <p>For single light level: Minimum 24 Lux when measured at a point 4 meters below the light. The illumination should be uniform without dark bands or abrupt variations, and soothing to the eye. Higher light output will be preferred</p> <p>For Multiple Light levels: The luminaire should have two levels of light to take care of</p>

	<p>different lighting needs during the night. Minimum 24 Lux when measured at a point 4 meters below the light (at "High" illumination level). The illumination Should be uniform without dark bands or abrupt variations. Minimum 12 Lux at lower illumination level. (Higher light output will be preferred)</p> <p>The luminaire shall be tested for Electrical, Photometry and Color parameters as per IES LM-79:2008 or IS: 16106:2012 for following performance parameters like:</p> <ol style="list-style-type: none"> 1) Total luminous flux: ≥ 1500 lm. 2) Luminous efficacy (i.e. system efficacy): ≥ 125 lm/W. 3) Color Temperature: Between 5500 K to 6500 K. 4) CRI ≥ 70 5) Luminous intensity distribution should follow the batwing patterns in polar curves. 6) Require validation report using .ies file, which is generated during luminous intensity distribution test and using maintenance factor 0.9 and pole height of 4m., Road width 5m and Pole span 15m. The average illuminance level and uniformity should comply with requirement as per IS 1944 wherever applicable. 7) The luminaire should be tested for all type tests as per IS10322 Part 5 Sect 3 or IEC 60598-2-3 standards.
Mounting of light	Pole height 5 m above the ground level and 1 m below the ground. Luminaire shall be at least 4.5 m above the ground level
Electronics Efficiency	Overall total Efficiency of the Electronics should be Minimum 90%
Duty Cycle	Dusk to dawn: First 4 Hours full light (Min. 24 Lux), rest of the time at lower light (50%, Min. 12 Lux) level. Higher light output will be preferred)
Battery Autonomy	3 days or Minimum 36 operating hours per permissible discharge with fully charged Lithium-Ferro Phosphate Battery
Ingress Protection – IP	Optical and Control gear compartment - IP 65 / IP 66
Impact resistance of casing	\geq IK08

3. Solar Power Conditioning System

Solar photovoltaic power condition unit is indoor household solar inverter with AC 220-230V output to run one TV (22 inch LED TV for 2 Hours

daily use) and household mixture (as per requirement) and 3 indoor white LED light (9W DC each) and mobile charging port.

PCU will give both AC & DC output according to electrical gadget's requirement. When AC output is not required then the PCU's AC side no load current should be less than 0.1 Amp. All required protection and earthing should be provided as per IS standard. PCU battery autonomy should be minimum 5 days by considering monsoon cloudy atmosphere in Konkan region.

500Wp Solar Power Conditioning System					
Appliances	Qty	watts	No. of hrs. per day	Total Whr	
LED tube lights	03	9w	6		162
DC fan	01	24 w	8		192
Three pin plug connection Provision for mixer (AC type 230 V)	01	600w	0.06 hr (4 min)		36
Three pin plug connection Provision for LED TV (AC type 230 V)	01	80w	2		160
Provision for mobile charger	01	5w	2		10

TECHNICAL SPECIFICATION OF SOLAR POWERCONDITIONING SYSTEM:

Components	Specification for Solar street light fitting
PV module	<p>250Wp x 2 Wp under STC, Indigenously manufactured PV module should be used.</p> <p>The PV module should have crystalline silicon solar cells and must have a certificate of testing conforming to:</p> <p>IEC61215, IEC61730, IEC61701, IEC62716, IEC62804, DNVGL, / BIS 14286 from an NABL or IECQ accredited Laboratory, Micro generation certification from BBA. PV manufacturer should be TIER 1 listed as per BNVG</p> <ol style="list-style-type: none"> The total power output of the modules under STC should be a minimum of 500Wp. The module efficiency should not be less than 14 %. The terminal box on the module should have a provision for opening it for replacing the cable, if required. There should be a Name Plate fixed inside the module which will give:

	a. Name of the Manufacturer or Distinctive Logo. b. Model Number c. Serial Number d. Year of manufacture v. A distinctive serial number starting with NSM will be engraved on the frame of the module or screen printed on the the module.
Battery	i. Minimum capacity 12V, 200 AH@C10Lead acid battery. ii. Autonomy: 5 days iii. Battery should conform to the latest BIS/ International standards Or CPRI tested. iv. The test report of the battery should not be more than 6 month old from the last date of bid tender date. v. Distill water for battery in 20Lt plastic jar should be provided
Light Source	White 9W LED light for indoor application 3 nos. The luminaire must use high efficacy W-LED with minimum 135 lumens per watt (and UV free).
DC Fan	12V 24W DC fan 1 No
Mobile charging point	5V Dc Mobile charging port 1 no
Solar Power conditioning system	Power Controlling Unit (PCU) 1000VA with inbuilt Mppt Charge Expected output from the system: Protections : i) Overload Protection ii) Reverse polarity Protection iii) Short Circuit Protection iv) High Temperature Protection Solar Voltage input range - 17-25V Battery charging current - 25 Amp max. Inverter output voltage - 230V sine wave No load power saving - Yes Max AC output - 1000 VA Max. DC output load - 300 Watt Overload Trip - 800 Watt for AC output, 300Watt for DC Output
Mounting Structure	MS Hot Deep Galvanized structure with GI nut bolt
Earthings	As per IS standard

Indoor electrical wiring and fittings	All cable, electrical material and switches should as per BIS standard
User Manual	An Operation, Instruction and Maintenance Manual, in English and the local language, should be provided with the Solar Home Lighting System. The following minimum details must be provided in the Manual: Basic principles of Photovoltaic. A small write-up (with a block diagram) on Solar Power Conditioning System - its components, PV module, battery, electronics and luminaire and expected performance. Significance of indicators. Type, Model number, voltage & capacity of the battery, used in the system. Clear instructions on regular maintenance and trouble shooting of the Solar System. DO's and DONT's. Name and address of the contact person for repair and maintenance

ANNEXURE**CHECK LIST**

All the necessary Documents / Certificates should be uploaded as a SINGLE PDF in proper sequence as mentioned below:

Sr.No	Particulars	yes/no	page no.
1	Covering letter- Annexure-1		
2	General particulars of the bidder - Annexure-2		
3	Bidder information sheet Annexure-3		
4	Firm profile at glance Annexure-4		
5	Financial status Annexure-5		
6	Annual turnover Annexure-6		
7	Experience for supply & commissioning of solar systems Annexure-7		
8	Site Visit Report Annexure-8		
9	Detail report Annexure-9		
10	Letter on V.P. letter head Annexure-10		
11	Establishment Report of Installed solar System Annexure-11		
12	undertaking that not presently Blacklisted Annexure-12		
13	Guarantee card Annexure-13		
14	Undertaking (Rs.100) and declaration that all the terms & conditions mentioned in each and every page of the said tender document along with the clarifications released are acceptable Annexure-14		
15	Performance bank guarantee Annexure-15		
16	Fabricated Display board Annexure-16		
17	Financial bid Annexure-17		
18	List of villages Annexure-18		
19	Tender Document fee		
20	Earnest Money Deposit		
21	Bid processing fee		
22	supporting documents to Meet technical & financial criteria		
23	Name of authorized person (power of attorney) for submitting the document		
24	Copy of the recently paid Income Tax Challan / Return, Latest CA certified balance sheet of last three years, PAN number, registration certificates of GST, service tax, professional tax etc. (Self Attested)		
25	Bidders sign and seal by authorized person on behalf of the bidder on all pages of the bid document		

(Signature of Bidder with Seal)

Covering Letter

FROM:

(Full name and address of the Applicant bidder with contact
phone no.) M/s.....

.....
.....
.....

To:

The Member Secretary
Goa Energy Development Agency
5th Floor, Goa-IDC Building,
Patto, Panaji
Goa- 403001

Subject: -Offer in response to Tender Notice No.....date.....

Sir,

We, the undersigned.....[insert name of the 'Bidder'] having read, examined and understood in detail the Tender Document for Design, manufacture, supply, installation, testing, commissioning of Solar Power Conditioning Units(PCU), Solar Street Light, Solar Home Light systems at various households in the State of Goa state with Comprehensive Maintenance Contract (CMC) for 5 years under Remote Village Electrification(RVE) programme

We confirm that neither we nor any of our Parent Company / Affiliate/Ultimate Parent Company has submitted Bid other than this Bid directly or indirectly in response to the aforesaid Tender.

We hereby submit our offer in full compliance with terms & conditions of the attached tender. The tender is being submitted online separately for Technical Bid(Part-1)& Financial Bid (Part -2).

Earnest Money Deposit (EMD)

We have done the payment of EMD of Rs.....(Insert Amount), via e-payment in terms of Clauseof this Tender Document.

Acceptance

We hereby unconditionally and irrevocably agree and accept that the decision made by GEDA in respect of any matter regarding or arising out of the Tender shall be binding on us. We hereby expressly waive any and all claims in respect of Bid process.

Contact Person

Details of the contact person are furnished as under:

Name: Designation:

Company: Address:

..... Phone Nos:.....Fax Nos....E-mail address :

.....

It is confirmed that our Bid is consistent with all the requirements of submission as stated in the Tender Document and subsequent communications from GEDA. The information submitted in our Bid is complete, strictly as per the requirements stipulated in the Tender Document and is correct to the best of our knowledge and understanding. We would be solely responsible for any errors or omissions in our Bid. We confirm that all the terms and conditions of our Bid are valid for acceptance for a period of 120 days from the Bid deadline. We confirm that we have not taken any deviation so as to be deemed non-responsive.

Name, Designation and Signature of Authorized Person in whose name Power of Attorney/Board Resolution/Declaration

(Signature of Applicant bidder)
With Seal

ANNEXURE-2**GENERAL PARTICULARS OF BIDDER**

Sr.No	Particulars	Details
1	Name of Tenderer /Bidder	
2	Postal Address	
3	e-mail address for communication	
4	Telephone, Fax No.	
5	Name ,designation and contact noof the Representative of the tenderer to/who, all references shall be made	
6	Nature of the Bidder (Pvt. Ltd./Public Ltd./Public sector etc.)attach copy of certificate of incorporation/certificate of commencement of business (if applicable)/ Memorandum of Association/Article of Association	
7	details of the ownership structure(details of persons owning 10% or more of the total paid up equity of the bidding company in the format as below)	
8	Whether company is MSME as on the bidding date?	
9	Amount and particulars of the earnest Money deposited	
10	Annual Turnover for last three years revenue or Net-worth as on date(Attach audited annual accounts this regard)	Year : Turnover 2017-18 2018-19: 2019-20: Net Worth (As on date):
11	Name and address of the Indian /foreign collaboration, ifany	
12	PAN, GST Registration No. – CGST and SGST (Evidences are to be attached)	
13	Has the tenderer / bidder ever been Debarred by any institution for undertaking any work	
14	any other information attached by the tenderer (details and annexure/ page no. where its enclosed)	

Bidders are requested to give their full particulars and legal & financial status.

(Signature of Bidder with Seal)

ANNEXURE-3**Bidder's Information Sheet**

To establish its qualifications to perform the contract the Bidder shall provide the information requested in the corresponding Information Sheets included hereunder.

Bidder's legal name	
Bidder's country of constitution	
Bidder's year of constitution	
Bidder's legal address in country of constitution	
Bidder's UIN No.	
Bidder's Copy of Constitution	
Bidder's registration certificates for G.S.T., and registration certificates under the applicable PF and labor laws	
Bidder's authorized representative (Name, address, telephone numbers, fax numbers, e-mail address)	
Attached are copies of the necessary original documents.	
1	
2	
3	
4	
5	
6	
7	
8	

Signature of Bidder
Name,
Designation
Company
Date:

ANNEXURE-4**Firm profile at a glance**

Sr. no.	No. Particulars	
1	Name & Mailing Address of firm	
2	Contact Person Name, Designation & Contact No	
3	E-mail Address for correspondence	
4	Firm Website Address	
5	Firm Status (Private/ PSU/ Incorporate / Proprietor)	
6	Establish Year of firm	
7	PAN/ TAN No	
8	Firm Registration No/ ROC	
9	EPF Registration No, if applicable	
10	G.S.T. No	
11	Bank name & contact No	
12	Turnover 2017-18, 2018-19 & 2019-20 (in Lacs Rs.)	
13	Company Profile (<100 words)	
14	Factory Address & Floor Area of factory	
15	Net worth	
16	Self Manufacturing facilities & Capacity (A list of machinery be attached)	
17	Outsourcing Item and Firm (Name & Address of Indian/ foreign	
18	Collaborator/s, if Any)	
19	Own Testing facility	
20	Skilled manpower	
21	Dealer/ supply network in Goa	
22	Experience in SPV Power Plant (<100 words)	
23	Experience in wind solar projects (<100 words)	
24	Solar related Product Range	
25	Guarantee, Maintenance & After Sales	

	Services (Years	
26	Accreditation (Own Firm)	
27	Accreditation (Partner/ outsourcing Firm)	
28	List of ISI, ISO, other cert. for own firm	
29	List of ISI, ISO, other cert. for partner/ outsourcing firm	
30	Technical specification for solar photovoltaic cell/ panel/ module	
31	Technical specification for Battery	
32	Technical specification for Junction boxes	
33	Technical specification for Inverter / Controller	
34	Technical specification for Cables	
35	Other Technical specification, if any	
36	Has any Govt. / Under - taking ever debarred the company / firm from executing any work?	
37	Special Remarks, if any	

It is certified that the information provided above is true to the best of my knowledge and belief. If any information found to be concealed, suppressed or incorrect at later date, our tender shall be liable to be rejected and our company may be debarred from executing any business with Govt. of Goa/ GEDA.

Signature of Bidder

Name

Designation

Company

Date:

ANNEXURE-5**Financial Status**

Each Bidder must fill in this form including private/ public limited company.

Sr. No.	Particulars	Financial Data for Previous 3 Years [Rs. in Lacs]		
		2019-20	2018-19	2017-18
1	Total Assets			
2	Current Assets			
3	Total Liabilities			
4	Long Term Loans			
5	Current Liabilities*			
6	Profits Before Taxes			
7	Profits After Taxes			
8	Net Worth [1 - 4 - 5]			
9	Dedicated Revolving Line of Credit (as per format)			
10	Available Working Capital [2 5] + [9]			
11	Return on Equity [6 / 8 of previous year]			
12	Attached are copies of the audited balance sheets, including all related notes, and income statements for the any three years of FY 2017-18, 2018-19 & 2019-20, as indicated above, complying with the following conditions? All such documents reflect the financial situation of the Bidder, and not sister or parent companies			
	Historic financial statements must be audited by a certified accountant			
	Historic financial statements must be complete, including all notes to the financial statements			
	Historic financial statements must correspond to accounting periods already completed and audited (no statements for partial periods shall be requested or accepted).			
	As per International Accounting, Current Liabilities shall include loan and other repayments due within one year			
	If the bidder feels that its financial capacity is insufficient bidder may include with the bid a letter from a reputed bank, addressed to the Member Secretary , GEDA which describes the revolving line of credit that the bidder is eligible for with the bank			

Applicant's Auditor

ANNEXURE-6**ANNUAL TURNOVER**

Each Bidder must fill in this form including private/public limited company.

Annual Turnover Data for the any 3 Years of FY 2017-18, 2018-19 & 2019-20	
Year	Rs in Lacs
2017-18	
2018-19	
2019-20	

The information supplied should be the Annual Turnover of the Bidder in terms of the amounts billed to clients for each year for work in progress or completed.

Signature of Applicant Certified by Applicant's Auditor

(Affix Stamp)

ANNEXURE-7

EXPERIENCE FOR SUPPLY AND COMMISSIONING OF ALL TYPES OF SOLAR SYSTEMS

[illegible]

ANNEXURE-8

Site Visit Report Letter (To be submitted on letterhead of tenderer)

To,
The Member Secretary,
Goa energy Development Agency
Goa IDC Building ,5th Floor
Patto-panaji-Goa

Date :

Sub. : Site Visit Report for un-electrified through SPV systems.

Ref. GEDA's Tender No.-----

Sir,

This has reference to above referred tender on electrification of villages to be electrified through SPV systems. I / We here by declare that we have visited all villages/hamlet/wada. I / We made ourselves acquainted with site conditions, approach to site, requirement of land, soil conditions, availability of water, requirement of tender conditions etc. I / We verified all details required to execute the projects. I / We have no problems in undertaking the projects and complete them in the given time period. I / We herby also certify that the village is not yet electrified.

Thanking You

Yours faithfully

Signature of Tenderer-----

Name of Tenderer -----

Designation -----

Note :- 1. Wherever the Grampanchayat officials have provided the certificates, you have to enclose the copies of the certificates also.

2.This is a sample visit letter, bidder has to obtained such a type of letter from each village and hamlet after the site visit.

ANNEXURE-9

GOA ENERGY DEVELOPMENT AGENCY(GEDA)
Goa IDC-Building,5th Floor, Patto-Panaji-Goa

DETAIL REPORT

- 1 Name of the Beneficiary :**
- 2 fathers /husband name :**
- 3 Name of Wada :**
- 4 Name of Village :**
- 5 Taluka :**
- 6 District :**

Details of the System

	Model no & make	Battery no. and make	charge controller no	luminary no.	date of installation	date of commission
Solar Power Pack						
Solar Home Lighting System						
Solar Street Lighting System,						

This is to certify that, the undersigned has been given in detail all the information and training of working and day to day maintenance of the system. The installed solar system at my residence is the property of the Goa Energy Development Agency, and I will not sell it or will not transfer it. If found faulty I shall be eligible for legal action.

I shall use the system in efficient manner for 5 years and shall pay Rs. 50/- (rupees fifty per month) towards the maintenance of the same.

Name of the dealer

Beneficiary

GEDA official

ANNEXURE-10

Letter to be issued on the letter head of V.P.

To,
The Member Secretary,
Goa energy Development Agency
Goa IDC Building ,5th Floor
Patto-Panaji-Goa

Sub: Installation of Solar systems in our Village Panchayat by M/s.....

Sir,

1. M/s have installed & Commissioned Nos. of Solar Systems in our Village.
2. M/s have given information and Training with regards to the installed systems at our village to the Beneficiary and official of V.P.
3. The brochures with regards to the details of the system and their working has been submitted in two copies
4. In case of any difficulty we shall contact M/s in future.
5. The note has been taken in the register of Village Panchayat.
6. The V.P. shall collect amount of Rs.50/-- from each beneficiary towards the maintenance of the system after the warranty period

Thanking you,

Gramsevak

Panchayat Secretary

Sarpanch

Copy for information please to:

1. BDO office
2. Directorate of Panchayats, Panaji-Goa
3. Dept. of Electricity, Panaji-Goa

ANNEXURE-11

Establishment Report of Installed solar System

Name of the beneficiary :- fix a photo
Father /Husband :- of beneficiary
Name of Wada :-
Name of Village :-
Name of Taluka :-
Name of the District :-

Details of the installed systems:-

Solar Home Lighting System	Model no & make	battery no & make	Charge control; no	Luminary no	date of installation	remarks pertaining to commissioning

This is to certify that , M/s have installed Nos of Solar System in my house and has imparted training for repairs and day to day maintenance of the same. The said system/s belongs to Goa Energy Development Agency, I shall not sell it or transfer to other, if found so, I shall face the legal proceedings.

I shall use the solar system for maximum duration even after 5 years of its warranty period . I shall pay Rs. 50/- per month to Panchayat for the maintenance and repairs of this system.

successful Bidder

Beneficiary

Official of V.P

UNDERTAKING TOWARDS NOT BEING BLACK-LISTED

I, _____ Authorized Signatory of M/s _____ hereby give undertaking that we, as a company are not black-listed by any Central/ State Government/ Semi-Government Organization/ Public Sector Undertaking/ Private Institution in India.

Further, if information furnished above stands false at any stage, we shall be completely liable for actions taken by GEDA, Panaji as per terms & conditions of the tender including disqualification and exclusion from future contracts/assignments.

(Signature of Authorized Signatory)

Name*:

Designation*:

Seal:

*Please provide the name and designation of each signatory.

(To be supplied by bidders on official letter-head of the company)

GUARANTEE CARD

- 1. Name & Address of the Manufacturer/Supplier of the System**
- 2. Name & Address of the Purchasing Agency : Goa Energy Development Agency, Goa IDC Building , 5th Floor, Patto - Panaji-Goa**
- 3. Date of supply of the system:**
- 4. Details of PV module(s) supplied in the system:**
 - a) Name of the Manufacturer:
 - b) Make:
 - c) Model:
 - d) Serial No. :
 - e) Wattage of the PV Module(s) under STC:
 - f) Guarantee valid up to:
- 5. Details of Battery:**
 - a) Name of the Manufacturer:
 - b) Make:
 - c) Model:
 - d) Batch/Serial No(s):
 - e) Month & year of Manufacture:
 - f) Rated V & AH capacity at C/20 or C/10 rated at 27°C
 - g) Guarantee valid up to:
- 6. Details of Electronics & other BOS item:**
 - a) Name of the Manufacturer:
 - b) Make:
 - c) Model:
 - d) Serial No(s):
 - e) Month & year of Manufacture:
 - f) Guarantee valid up to:
- 7. Designation & Address of the person to be contacted for claiming Guarantee obligations:**

(Signature of Authorized Signatory)

Name Designation

Company seal

Filling Instructions:

- (1) The SHLS / SSLS components will be generally guaranteed as per clause ----- of General terms & Conditions. The manufacturer can also provide additional information about the system and conditions of Guarantee as necessary. The Guarantee card to be supplied with the system must contain the details of the system supplied as per format given above.
- (2) During the Guarantee period GEDA reserve the right to cross check the performance of the systems for their minimum performance levels specified in the MNRE specifications

ANNEXURE-14

Undertaking
(On Rs.100/- Stamp Paper)

I _____ Age_____ years, Occupation _____,
Address _____
_____, the (authorized signatory) of M/s_____

(Company) hereby state that, I/my company is intending to participate for tender no. TENDER NO. 1/70/ GEDA/RVE/2020-21, Design, manufacture, supply, installation, testing, commissioning of Solar Power Conditioning Units(PCU), Solar Street Light, Solar Home Light systems at various households in the State of Goa state with Comprehensive Maintenance Contract (CMC) for 5 years under Remote Village Electrification(RVE) programme.

I have read all the terms & conditions mentioned in the Tender document of the GEDA.

I hereby further undertake and declare that all the terms & conditions mentioned in each and every page of the said tender document along with the clarifications released, if any, are binding on me / my company and I am fully aware that, in case of breach of any term or condition of the said Tender document, I am/my company is liable to be disqualified from the said tender process.

Sign :

Name of authorized Signatory :

Name of Company with Stamp :

BG No. -----

Date of Issue-----

Date of Expiry-----

FORM OF PERFORMANCE GUARANTEE/BANK GUARANTEE BOND

In consideration of the State Administration, Goa (hereinafter called "The Government") having offered to accept the terms and conditions of the proposed agreement between Goa Energy Development Agency (GEDA) (hereinafter called "GEDA") and (hereinafter called "the said Contractor(s)") for the work of "design, manufacture, supply, installation, testing, commissioning of solar PV systems at various households in the State of Goa with comprehensive maintenance contract for 5 years under Remote Village Electrification Programme(RVE). vide work order no.dated(hereinafter called "the said agreement") having agreed to production of an irrevocable Bank Guarantee for Rs.....(Rupees) as a security/guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.

1. We..... (hereinafter referred to as "the Bank") hereby undertake to pay to the Goa Energy Development Agency (GEDA) an amount not exceeding Rs.....(Rupees.....) on demand by the GEDA.
2. We.....(indicate the name of the Bank) do hereby undertake to pay the amounts due and payable under this Guarantee without any demure, merely on a demand from the GEDA stating that the amount claimed as required to meet the recoveries due or likely to be due from the said Contractor(s). Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this Guarantee shall be restricted to an amount not exceeding Rs.....(Rupees.....).
3. We, the said Bank further undertake to pay to the GEDA any money so demanded notwithstanding any dispute or disputes raised by the Contractor(s) in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the Contractor(s) shall have no claim against us for making such payment.

4. We..... (indicate the name of the Bank) further agree that the Guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and it shall continue to be enforceable till all the dues of the GEDA under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till the Member Secretary, GEDA, on behalf of the GEDA, certified that the terms and conditions of the said agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges his guarantee.
5. We..... (indicate the name of the Bank) further agree with the GEDA that the GEDA shall have the fullest liberty without our consent and without effecting in any manner our obligation hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said Contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the GEDA against the said Contractor(s) and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said Contractor(s) or for any forbearance, act of omission on the part of the GEDA or any indulgence by the GEDA to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.
6. This Guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s).
7. We..... (indicate the name of the Bank) lastly undertake not to revoke this Guarantee except with the previous consent of the GEDA in writing.
8. This Guarantee shall be valid up to unless extended on demand by the GEDA. Notwithstanding anything mentioned above, our liability against this Guarantee is restricted to Rs.....(Rupees.....) and unless a claim in writing is lodged with us on or before on the date of expiry or extended date of expiry of this Guarantee all our liabilities under this Guarantee shall stand discharged.

Dated the..... day of For..... (indicate the name of the Bank).

Mounting Details of Display Board for RVE Projects

(Pls provide the drawing)

Note :

1. The board and mounting structure shall be all weather proof.
2. Water proof colours shall be used to paint the matter on board.
3. The matter to be painted shall be in Marathi having white letters.
4. The background colour of board shall be green only.
5. The metal sheet of 1.5 mm shall be used for display board.

LOGO,GOVT. OF GOA	LOGO GEDA
REMOTE VILLAGE ELECTRIFICATION PROGRAMME	
1. Name of the Project: Remote Village Electrification	
2. Place : (village name), (Wada name) , (Taluka) , (District)	
3. Particulars of the systems supplied:	
4. Financed by : Goa Energy Development Agency(GEDA)	
5. Supported by: Govt. of Goa	
 GOA ENERGY DEVELOPMENT AGENCY(GEDA) 5th FLOOR, GOA-IDC BUILDING, PATTO, PANAJI, GOA Phone No: 0832-2437401/02 Email: gedagoa@yahoo.com website: www.geda.goa.gov.in	

FINANCIAL BID
(To be submitted through Online)

Tender No: _____

dated: _____

Installation of Grid connected Rooftop Solar PV Power Plants for Goa Energy Development Agency.

SR. No.	Capacity of Grid Connected Rooftop Solar Plant	Qty	Lumpsum Cost (In Rs./kWp)
1	500Wp Solar Power conditioning system (250WpX 2)	151	
2	Solar Home Lighting system	06	
3	Solar Street lighting system	58	

Rupees (in Words)

(AUTHORIZED SIGNATORY)

NAME:

SEAL:

ANNEXURE - 18

The estimated work cost of the systems and EMD Details is given below.

No	Block/ Taluka	V.P.	village/wada	No. of houses	No of PCU to be installed	No of SHLs to be installed	No of SSLs to be installed
1	Canacona						
		Khotigao	Keri	16	16	-	05
			Yendrem	04	03	01	02
			Morphondamol	04	04	-	02
			Kuskem	01		01	01
		Gaodongri	Bhuper , Varchawada	28	26	02	02
2	Quepem	Caurem- pirla	Camon-Maina Ubefator	06	06	-	03
			Sulcorna- Naqueri	02	02	-	01
		Morpirla	Konir-Nasikwada	04			
			Zaribhat	01	01		
3	Ponda						
		Nirankal	Wanarmare wada	17	16	01	01
4	Bicholim	Latambarse	Khaitwada	01		01	01
			Panaswada	04	04		02
5	Sattari	Nagargao	Satre	06	06	-	04
			Vaiguinim	09	09	-	05
			kodal	04	04	-	02
		Savordem	Kajredhat	03	03	-	03
			Kadval	02	02	-	01
		Khatorem	Nimnichigal Gawane	04	04	-	02
6	Dharbandora	Dharbarda	Gavaliwada Thatoti Dharbandora	07			
		Collem	Shigao- Sonaulim-Collem	11	11		04
			Matojem-Shigao	03	03	-	01
7	Sanguem	Kallay	Maulinge	02	02	-	01
			Bondel,Thorlemol	06	06	-	03
		bhati	Zuna	05	05	-	02
			Vagpet Patre	03	03	-	02
			Dhargini	02	02	-	01
		Netravalim	Khutiwada	01	01	-	01

			Nunem	01	01	-	01
			Vichundrem	02	02	-	01
			Devare	03	03	-	01
		Savordem	Corrainguinin, Mirabag	06	06	-	03
					151	06	58