



TENDER DOCUMENT

(E-Tender)

F.NO.1/4/2022-LEDA

Dated: 04.05.2026

EXPRESSION OF INTEREST (EOI)

FOR

EXPRESSION OF INTEREST (EOI) FOR EMPANELMENT OF VENDORS AND RATE CONTRACT UNDER TWO-BID SYSTEM for Site Survey, Design, Engineering, Supply, Installation, Testing, Commissioning and Comprehensive Operation & Maintenance for a period of Ten (10) Years of Distributed Hybrid Grid-Connected Rooftop Solar PV Power Plants with a cumulative capacity of 2107 kW along with 5525 kWh Battery Energy Storage Systems (BESS) on various Government Buildings in the Union Territory of Lakshadweep under CAPEX Model for Lakshadweep Electricity Department (LED), UT Administration of Lakshadweep

E-Tender Portal: <https://tenders.utl.gov.in>

Issued by

**EXECUTIVE ENGINEER (ELE)
LAKSHADWEEP ELECTRICITY DEPARTMENT
ADMINISTRATION OF THE UNION TERRITORY OF LAKSHADWEEP
KAVARATTI**

Ph: 04896 262363

E-Mail: lk-ktelect@nic.in

(This document is issued solely for the purpose of submission of bids against Tender No. F. No. 1/4/2022-LEDA dated 04.05.2026. It shall not be transferred, reproduced or otherwise used for any purpose other than for which it has been issued.)

कार्यकारी अभियंता (वि)
Executive Engineer (ELE)
लक्षद्वीप सं.श.प्र. / U.T. of Lakshadweep
कवारत्ती / Kavaratti-682 555

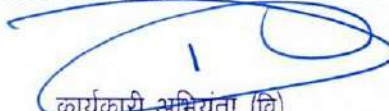
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कवारत्ती/Kavaratti-682 555

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 कार्यकारी अभियंता (वि)
 Executive Engineer (ELE)
 लक्षद्वीप सं.श.प्र / U.T. of Lakshadweep
 कवारत्ती /Kavaratti-682 555



भारतसरकार/GOVT. OF INDIA

लक्षद्वीपसंघशासितक्षेत्र प्रशासन/ADMINISTRATION OF THE
UNION TERRITORY OF LAKSHADWEEP
(बिजलीविभाग)/(DEPARTMENT OF ELECTRICITY)

कवरत्ती- ६८२५५५/KAVARATTI - 682 555

F.NO.1/4/2022-LEDA

Dated:04.05.2026

NOTICE INVITING EXPRESSION OF INTEREST (EOI) – E-TENDER

The Lakshadweep Electricity Department, UT Administration of Lakshadweep invites **online Expression of Interest (EOI)** from eligible agencies for **empanelment of vendors** for the following work.

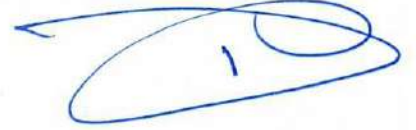
Name of Work	EXPRESSION OF INTEREST (EOI) FOR EMPANELMENT OF VENDORS AND RATE CONTRACT UNDER TWO-BID SYSTEM for Site Survey, Design, Engineering, Supply, Installation, Testing, Commissioning and Comprehensive Operation & Maintenance for a period of Ten (10) Years of Distributed Hybrid Grid-Connected Rooftop Solar PV Power Plants with a cumulative capacity of 2107 kW along with 5525 kWh Battery Energy Storage Systems (BESS) on various Government Buildings in the Union Territory of Lakshadweep under CAPEX Model for Lakshadweep Electricity Department (LED), UT Administration of Lakshadweep
Mode of Tender	E-Tender
E-Tender Portal	https://tenders.utl.gov.in/
Earnest Money Deposit	Not Applicable (Bid Security Declaration to be submitted)
Tender Document Download Start Date	04.05.2026, 16:00 hrs

कार्यकारी अभियंता (वि)
Executive Engineer (ELE)
लक्षद्वीप सं.शा.प्र. / U.T. of Lakshadweep
कवरत्ती / Kavaratti-682 555

Tender Document Download End Date	03.06.2026, 22:00 hrs
Pre bid meeting	16.05.2026, 11:00 hrs
Last date & Time for submission of Bid	04.06.2026, 11:00 hrs
Opening of Technical Bid	05.06.2026, 16:00 hrs
Opening of Financial Bid	Will be decided after finalization of Technical Bid.

The detailed Expression of Interest (EOI) document, including terms and conditions and the Invitation for Bid (IFB), can be downloaded from the official websites www.Lakshadweep.nic.in and www.tendersutl.gov.in.

Bidders intending to participate in this tender shall submit their bids only through the e-tender portal www.tendersutl.gov.in. For any help/query, please contact representative of the department through *email: lk-ktelect@nic.in* or Telephone No. 0489626-2363, 0489626-3544 and for help in processing of e-tender please contact E-tender helpdesk Shri.Sakeer Hussain Mobile no.9447510207 and Shri. Mohammed Irfan Khan Mobile No. 9446567679 (for technical queries).



(M.P Dharwesh Khan)

Executive Engineer/कार्यपालक अभियंता

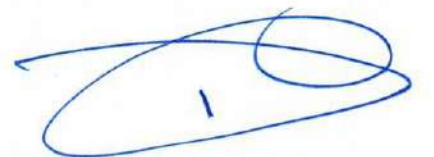
कार्यकारी अभियंता (वि)
Executive Engineer (ELE)
लक्षद्वीप सं.श.प्र / U.T. of Lakshadweep
कवारत्ती/Kavaratti-682 555

To,

Copy to Notice Board,

Copy to Editor, Lakshadweep times to Publish in the next Edition.

Copy to EDP for Uploading Official Website of Lakshadweep, LED Portal & Tender portal.



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कार्यकारी अभियंता (वि)
Executive Engineer (ELE)
लक्षद्वीप सं.श.प्र. / U.T. of Lakshadweep
कवारत्ती / Kavaratti-682 555

TENDER DOCUMENT

Lakshadweep Electricity Department (LED), UT Administration of Lakshadweep, Kavaratti, invites **online Expression of Interest (EOI)** from eligible and qualified agencies for **empanelment and rate contract under two-bid system** for undertaking the work of:

“Site Survey, Design, Engineering, Supply, Installation, Testing, Commissioning and Comprehensive Operation & Maintenance for a period of Ten (10) Years of Distributed Hybrid Grid-Connected Rooftop Solar PV Power Plants with a cumulative capacity of 2107 kW along with 5525 kWh Battery Energy Storage Systems (BESS) on various Government Buildings in the Union Territory of Lakshadweep under CAPEX Model.”

The empanelment shall be carried out in accordance with the terms and conditions specified in this EOI document.

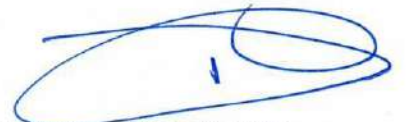
TERMS & CONDITIONS

1. Name of Work

1.1 Name of the work is “EXPRESSION OF INTEREST (EOI) FOR EMPANELMENT OF VENDORS AND RATE CONTRACT UNDER TWO-BID SYSTEM for Site Survey, Design, Engineering, Supply, Installation, Testing, Commissioning and Comprehensive Operation & Maintenance for a period of Ten (10) Years of Distributed Hybrid Grid-Connected Rooftop Solar PV Power Plants with a cumulative capacity of 2107 kW along with 5525 kWh Battery Energy Storage Systems (BESS) on various Government Buildings in the Union Territory of Lakshadweep under CAPEX Model for Lakshadweep Electricity Department (LED), UT Administration of Lakshadweep.”

2. DEFINITIONS

2.1. Bidder:



“Bidder” shall mean any individual firm, company, or legal entity participating in this EOI in response to this document.

2.2. Empaneled Vendor:

“Empaneled Vendor” shall mean a bidder who is found technically qualified and selected by the Lakshadweep Electricity Department (LED) for empanelment under this EOI.

2.3. Service Provider:

“Service Provider” shall mean an Empaneled Vendor to whom specific work orders may be issued by the Department (Building owning department) for execution of the project, either in full or in part.

2.4. Implementing Agency:

“Implementing Agency” shall mean Lakshadweep Electricity Department (LED), which shall be responsible for:

- Issuance of EOI
- Empanelment of vendors
- Technical supervision and monitoring
- Standardization of specifications and procedures

2.5. Concerned Department / Beneficiary Department:

“Concerned Department” or “Beneficiary Department” shall mean the respective Government Department / Institution owning the building on which the Rooftop Solar PV System is proposed to be installed.

The Concerned Department shall be responsible for:

- Providing site access and necessary approvals
- Issuance of Work Order (if applicable)
- Making payments to the Service Provider
- Coordinating for execution and O&M

2.6. Work Order:

“Work Order” shall mean the formal order issued by the Concerned Department to the Empaneled Agency for execution of the work under this EOI.


कार्यकारी अभियंता (वि)
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2.7. Project:

“Project” shall mean the design, engineering, supply, installation, testing, commissioning and comprehensive O&M of Rooftop Solar PV Systems with BESS under this EOI.

2.8. Contract Year:

Contract Year means the year commencing from the date of commencement of the contract.

3. EOI INFORMATION SHEET

Sl. No.	Particulars	Details
1	Name of Work	EXPRESSION OF INTEREST (EOI) FOR EMPANELMENT OF VENDORS AND RATE CONTRACT UNDER TWO-BID SYSTEM for Site Survey, Design, Engineering, Supply, Installation, Testing, Commissioning and Comprehensive Operation & Maintenance for a period of Ten (10) Years of Distributed Hybrid Grid-Connected Rooftop Solar PV Power Plants with a cumulative capacity of 2107 kW along with 5525 kWh Battery Energy Storage Systems (BESS) on various Government Buildings in the Union Territory of Lakshadweep under CAPEX Model
2	Issuing Authority	Lakshadweep Electricity Department (LED), UT Administration of Lakshadweep
3	Tender / EOI No.	F. No. I/4/2022-LEDA
4	Mode of Submission	Online through e-Procurement Portal of UT Administration of Lakshadweep
5	Type of Process	Expression of Interest (EOI) for Empanelment of Vendor
6	Project Model	CAPEX Model
7	Estimated Capacity	2107 kW Rooftop Solar PV with 5525 kWh BESS
8	Empanelment Period	Three (03) Years from the date of empanelment
9	Work Order Validity	One (01) Year from the date of issuance of Work Order
10	Operation & Maintenance	Ten (10) Years from date of successful commissioning (COD)
11	Bid Validity	180 (One Hundred Eighty) Days from the date of submission of bid

12	Earnest Money Deposit (EMD)	Not Applicable. However, bidders shall submit a Bid Security Declaration as per prescribed format
13	Pre-Bid Meeting	16.05.2026, 11:00AM hrs at Electrical Sub division, Lakshadweep Administration office, Willingdon Island Kochi- 682009
14	Last Date for Submission	04.06.2026, 11:00 hrs
15	Opening of Technical Bids	05.06.2026, 16:00 hrs
16	Opening of Financial Bids	Will be decided after finalization of Technical Bid.
17	Selection Methodology	Technical Qualification followed by Financial Evaluation (L1 Rate Discovery and L1 Matching)
18	Basis of Empanelment	₹/kW and ₹/kWh Rate Contract Basis
19	Work Allocation	Allocation of work shall be carried out among empaneled vendors in accordance with the provisions specified under relevant clause, considering factors such as island-wise requirement, logistics, bidder capacity and execution capability
20	Address for Communication	Lakshadweep Electricity Department (LED), Kavaratti, UT of Lakshadweep- 682555
21	Contact Details	<u>0489626-2363, 0489626-3544</u> <u>email: lk-ktelect@nic.in</u>

******Note: Lakshadweep Electricity Department (LED) shall act as the Nodal / Implementing Agency for empanelment and technical oversight. Work Orders and payments shall be executed by the respective Concerned Departments unless otherwise specified.*

4. INSTRUCTIONS TO BIDDERS

4.1 General

4.1.1 Lakshadweep Electricity Department (LED), UT Administration of Lakshadweep, hereby invites EXPRESSION OF INTEREST (EOI) FOR EMPANELMENT OF VENDORS AND RATE CONTRACT UNDER TWO-BID SYSTEM for Site Survey, Design, Engineering, Supply, Installation, Testing, Commissioning and Comprehensive Operation & Maintenance for



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a period of Ten (10) Years of Distributed Hybrid Grid-Connected Rooftop Solar PV Power Plants with a cumulative capacity of 2107 kW along with 5525 kWh Battery Energy Storage Systems (BESS) on various Government Buildings in the Union Territory of Lakshadweep under CAPEX Model.

- 4.1.2 The Lakshadweep Electricity Department (LED) shall act as the **Nodal / Implementing Agency** for the purpose of this EOI and shall be responsible for empanelment of agencies, standardization of technical specifications, and overall technical supervision and monitoring of the project implementation.
- 4.1.3 The execution of works under this EOI shall be carried out by the Empaneled Agencies based on specific Work Orders issued by the respective **Concerned Departments (Building Owning Departments)**.
- 4.1.4 It is expressly clarified that the **Concerned Departments shall be solely responsible for issuance of Work Orders, release of payments, provision of site access, and coordination during execution and Operation & Maintenance period**, and the Lakshadweep Electricity Department (LED) shall not bear any financial liability in respect of such works, unless otherwise explicitly specified.
- 4.1.5 Though this process is initiated as an Expression of Interest (EOI), the selection shall be carried out through a **Two-Bid System** comprising Technical and Financial evaluation. The technically qualified bidders shall be considered for financial evaluation for discovery of L1 rates. Based on the outcome, eligible vendors shall be empaneled and a Rate Contract shall be established at L1 rates, including L1-matched vendors, for execution of works on requirement basis as per the terms and conditions of this EOI.

4.2 Two-Bid System

- 4.2.1 The selection of applicants shall be carried out through a Two-Bid System comprising:

i. **Technical Bid**

ii. **Financial Bid**

- 4.2.2 The Technical Bids shall be evaluated first to determine the eligibility, technical capability, and compliance of bidders with the requirements of this EOI.
- 4.2.3 Only those bidders who qualify in the Technical Evaluation shall be considered for Financial Bid evaluation.
- 4.2.4 The Financial Bids of technically qualified bidders shall be opened subsequently, and evaluation shall be carried out in accordance with the provisions of this EOI.

4.3 Submission of Bid

- 4.3.1 Bidders shall submit their bids online through the e-procurement portal within the stipulated time as specified in the EOI Information Sheet.
- 4.3.2 All documents shall be uploaded in the prescribed format and shall be duly signed and stamped by the authorized signatory of the bidder.
- 4.3.3 Any bid submitted in physical form or through any mode other than the specified e-Procurement Portal shall be summarily rejected.
- 4.3.4 In case the bidder encounters any technical issues pertaining to the e-Procurement system while participating in the tender, a screenshot of the error message with date and time stamp on the web browser, along with a detailed query, shall be emailed to the helpdesk at **dirleda@gov.in** for resolution. Simultaneously, the issue shall also be intimated to the Tender Inviting Authority via email at **lk-ktelect@nic.in**.
- 4.3.5 The technical bids will be opened, evaluated, and shortlisted as per the eligibility. Failure to submit the required documents online will attract disqualification as per the provisions of this EOI. Financial bids shall be opened only after completion of technical evaluation and approval of the competent authority.



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- 4.3.6 The department doesn't take any responsibility for any technical snag or failure that has taken place during document upload.
- 4.3.7 A bidder shall submit only one bid and shall not participate, directly or indirectly, in multiple bids. Any violation shall result in rejection of the bid(s).
- 4.3.8 The Bidder shall complete the Price bid as per the format given for download along with this tender
- *****Note: The blank price bid should be downloaded and saved on the bidder's computer without changing the file name otherwise the price bid will not get uploaded. The bidder should fill in the details in the same file and upload the same back to the website.*
- 4.3.9 Fixed price: Prices quoted by the Bidder shall be fixed during the bidder's performance of the contract and not subject to variation on any account. A bid submitted with an adjustable/ variable price quotation will be treated as non-responsive and rejected.

4.4 Documents to be Submitted

- 4.4.1 The bidders shall submit complete set of documents in support of:
- Technical eligibility and experience.
 - Financial capability (Documents to prove the annual Turnover of the bidder along with a certificate from a Chartered Accountant regarding net worth. (Capital + Reserves).
 - Statutory registrations (GST, PAN, Certificate of incorporation/ registration etc).
 - Compliance with technical specifications
 - Undertaking for Site Survey and Familiarization of Site Conditions.
 - Undertaking for Establishment of Service Centre in Lakshadweep.
 - No Deviation Certificate confirming full compliance with tender conditions.

- h) Declaration for compliance with Approved List of Models and Manufacturers (ALMM) issued by Ministry of New and Renewable Energy (MNRE).
- i) Undertaking for execution of BESS through OEM / Authorized Technology Partner (where applicable).

4.4.2 Incomplete bids or bids not accompanied by the requisite documents are liable to be rejected without further evaluation.

4.5 Bid Validity

4.5.1 The submitted bids shall remain valid for a period of **180 (One Hundred Eighty) days** from the date of submission.

4.6 Clarifications and Amendments

4.6.1 The bidders shall regularly check the e-Procurement Portal for any corrigendum, amendments, or clarifications issued by the Department.

4.6.2 No separate communication shall be made individually, and the Department shall not be responsible for any loss of information on account of failure of bidders to update themselves.

4.7 Pre-Bid Meeting

4.7.1 Pre-Bid Meeting is proposed to be held on 09.05.2026 11:AM at Electrical Sub division, Lakshadweep Administration office, Willingdon Island Kochi-682009.

4.7.2 Any clarification, corrigendum or amendment shall be published on the e-procurement portal / dirleda@gov.in / lk-ktelect@nic.in, and no separate communication shall be entertained..

4.8 Compliance with EOI Conditions

4.8.1 Bidders shall ensure compliance with all provisions of this EOI and submit their bids accordingly.

4.8.2 Bids with deviations from the specified conditions may be liable for rejection at the sole discretion of the Department.

4.9 No Joint Venture / Consortium


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4.9.1 Joint Ventures (JV) or Consortiums are **not permitted** under this EOI.

4.9.2 Only individual bidders meeting the eligibility criteria shall be eligible to participate.

4.10 Right to Accept or Reject

4.10.1 The Department reserves the right to accept or reject any or all bids, either in full or in part, without assigning any reason thereof.

4.10.2 The decision of the Department shall be final and binding on all bidders.

4.11 Language of Bid

4.11.1 All documents submitted by the bidder shall be in **English language only**.

4.12 Numbering and Indexing of Documents

4.12.1 All documents submitted shall be:

- a) Properly page numbered
- b) Indexed
- c) Organized in a systematic manner for ease of reference

4.13 Cost of Bid

4.13.1 The bidder shall bear all costs associated with preparation and submission of the bid regardless of the outcome of the bidding process.

4.13.2 The Department shall not be responsible or liable for any such costs.

4.14 Conflict of Interest

4.14.1 The bidder shall not have any conflict of interest that may adversely affect the fairness, transparency or integrity of the selection process.

4.14.2 Any bidder found to have a conflict of interest shall be liable for disqualification at the sole discretion of the Department.

4.14.3 The service Provider(s) is required to provide professional, objective, and impartial services, at all times holding interest's paramount, strictly avoiding conflicts with other assignments or its own corporate interests, and acting without any consideration for future work. The supplier has an obligation to disclose to any situation of actual or potential conflict that impacts its capacity to serve Failure to disclose such situations may lead to the

disqualification of the supplier or the termination of its Contract and/or sanctions by the Government

4.14.4 Relationship with the staff: a service Provider (including its subsidiaries /partners) that has a close business or family relationship with a professional staff who are directly or indirectly involved in any part of the preparation of the Terms of Reference for the assignment, the selection process for the Contract, or the supervision of the Contract, may not be awarded a Contract, unless the conflict stemming from this relationship has been resolved in a manner acceptable throughout the selection process and the execution of the Contract. Any other types of conflicting relationships as indicated in the TENDER.

4.15 Fraud and Corrupt Practices

4.15.1 The bidders shall observe the highest standards of integrity and shall not engage in any fraudulent, corrupt, coercive or collusive practices.

4.15.2 Any such violation shall lead to rejection of the bid and may result in further **action as per applicable laws and Government rules.**

4.15.3 Requires compliance with its policy in regard to corrupt and fraudulent/prohibited practices as set forth in this proposal. In further pursuance of this policy, the selected service Provider(s) shall permit or its representatives to inspect the accounts, records and other documents relating to the submission of the Proposal and execution of the contract, in case of award, and to have the records inspected.

4.16 Confidentiality

4.16.1 From the opening of proposals till award of contract, bidders shall not contact any official of the Department on matters related to their bids. Any such attempt may lead to rejection of the proposal.


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- 4.16.2 Information relating to evaluation of proposals and award of contract shall be treated as confidential and shall not be disclosed to any bidder or unauthorized person.
- 4.16.3 Any attempt by a bidder to **influence the evaluation or award process** shall result in rejection of the bid and may attract action as per applicable Government rules.
- 4.16.4 Bids shall be submitted **only through the e-tender portal (www.tendersutl.gov.in)** within the stipulated time. Late submissions shall be treated as **non-responsive**.
- 4.16.5 Proposals shall be **complete, clear, and submitted in the prescribed formats**. Incomplete or improperly submitted proposals are liable for rejection. The Department may seek clarifications during evaluation.
- 4.16.6 Financial bids of technically qualified bidders shall be **opened online** after completion of technical evaluation.
- 4.16.7 Applicable Laws: The work order shall be governed by the laws and procedures established by the UT of Lakshadweep Administration, within the framework of applicable legislation and enactments made from time to time concerning such commercial dealings. Any default in the terms and conditions of the document by the service provider will lead to rejection of the work order.

4.17 AMENDMENT OF EOI DOCUMENT

The Lakshadweep Electricity Department reserves the right to amend, modify, or supplement the EOI document at any time prior to the deadline for submission of bids, for any reason whatsoever.

Any such amendment/corrigendum shall be notified through the e-tender portal www.tendersutl.gov.in

, and the same shall be binding on all bidders. Bidders are advised to regularly visit the portal for updates, and no separate communication shall be issued in this regard.

4.18 COMMENCEMENT OF WORK

The Selected empanelled vendor should sign the contract agreement within 7 days of the issue of the work order. The vendor should start the services as defined in the scope of work within 30 days of Issue of work order.

4.19 QUALITY ASSUARANCE

4.19.1 Compliance with Standards: The bidder shall ensure that all components, materials, and workmanship comply with relevant national and international standards, including MNRE, BIS, IEC, and ISO guidelines for rooftop solar systems. A Quality Assurance Plan (QAP) must be submitted for approval before execution.

4.19.2 Third-Party Inspection & Testing: The Department reserves the right to appoint a Third-Party Inspection Agency (TPIA) to verify compliance with technical specifications and performance criteria. The bidder shall provide access to manufacturing facilities, project sites, and testing centers as required.

a) Pre-Dispatch & Post-Installation Testing

b) Factory Acceptance Test (FAT): Mandatory for major components (SPV modules, inverters, batteries, etc.) before dispatch.

c) On-Site Inspection: Post-installation performance testing and commissioning will be conducted before final acceptance.

4.19.3 Documentation & Non-Compliance: The bidder must submit all test reports, certifications, and inspection records for review. Non-compliance may lead to rejection of materials, payment hold, penalties, or contract termination as per tender conditions.

5. ELIGIBILITY CRITERIA



5.1 Responsibility Framework

- 5.1.1 Lakshadweep Electricity Department (LED) shall act as the **Nodal / Implementing Agency** for empanelment and technical oversight.
- 5.1.2 The Empaneled Vendors shall execute the works based on Work Orders issued by the respective Concerned Departments (Building Owning Departments).
- 5.1.3 The Concerned Departments shall be solely responsible for:
- Issuance of Work Orders
 - Release of payments to the Empaneled Agencies
 - Providing site access and necessary approvals
 - Coordination during execution and O&M period
- 5.1.4 The Lakshadweep Electricity Department (LED) shall not bear any financial liability towards execution of works or payments to the Empaneled Agencies.

5.2 General Eligibility

- 5.2.1 The bidder shall be a legally registered entity in India under applicable laws, including but not limited to:
- Company registered under the Companies Act, 2013
 - Partnership Firm / Limited Liability Partnership (LLP)
 - Proprietorship Firm
- 5.2.2 The bidder shall be a legally registered entity under the applicable laws of India and shall be in active business operation as on the date of bid submission. The bidder shall submit valid registration/incorporation certificates, along with relevant statutory documents as proof.

5.3 Technical Eligibility – Solar PV Experience

- 5.3.1 The bidder shall have demonstrated experience in execution of Grid-Connected Solar PV Power Projects on EPC (Engineering, Procurement and Construction) basis, including design, engineering, supply, installation, testing and commissioning.

5.3.2 Minimum Experience

5.3.2.1 The bidder shall meet the following criteria:

- I. The bidder shall have experience in **Design, Supply, Installation, and Commissioning of Grid-Connected Rooftop Solar Photovoltaic (SPV) Power Plants** in India with a cumulative installed capacity of **500 kWp or higher** during the last **Five (5) years**, as on the last day of the month preceding the month in which the EOI is invited.

“Experience in execution of projects in islands, coastal, or remote locations, including Lakshadweep, shall be considered an added advantage”.

AND

- II. The bidder shall have successfully executed at least **one (01) SPV Power Plant of 400 kWp or higher capacity**, which has been in **successful operation for at least one (01) year** prior to the last day of the month preceding the month in which the EOI is invited.

OR

- III. At least **two (02) SPV Power Plants of 250 kWp or higher capacity each**, each having been in **successful operation for at least one (01) year** prior to the last day of the month preceding the month in which the EOI is invited.

OR

- IV. At least **three (03) SPV Power Plants of 200 kWp or higher capacity each**, each having been in **successful operation for at least one (01) year** prior to the last day of the month preceding the month in which the EOI is invited.



5.3.2.2 MNRE Empanelment Requirement

The bidder shall be an empanelled vendor under the Ministry of New and Renewable Energy (MNRE) for implementation of Rooftop Solar PV projects under applicable programmes, including **PM Surya Ghar: Muft Bijli Yojana.**

5.3.2.3 Provision for MNRE / PM Surya Ghar Vendors

The bidder shall be an empanelled vendor under the Ministry of New and Renewable Energy (MNRE) for implementation of Rooftop Solar PV projects under applicable programmes, including PM Surya Ghar: Muft Bijli Yojana.

Vendors empanelled under MNRE / PM Surya Ghar scheme, including those operating in the Union Territory of Lakshadweep, shall be eligible to participate **subject to meeting the above technical eligibility criteria.**

5.3.3 Operational requirements

5.3.3.1 The above-mentioned projects shall have been successfully commissioned and shall be in satisfactory operation for a minimum period of six (06) months prior to the last date of submission of bid.

5.3.4 Supporting Documents

5.3.4.1 The bidder shall submit the following documentary evidence:

- a) Work order and Completion
- b) Commissioning Certificate
- c) Performance / Satisfactory Operation Certificate

5.3.4.2 The above documents shall be issued by the SNA/Government Organization/ SECI/PSUs towards the satisfactory work completion to be furnished by the bidder. In absence of any one, it will not be considered for qualifying in technical bid.

5.3.4.3 The bidder shall submit valid documentary proof of empanelment as a vendor under the Ministry of New and Renewable Energy

(MNRE) for implementation of Rooftop Solar PV projects under applicable programmes, including PM Surya Ghar: Muft Bijli Yojana. The empanelment shall be valid as on the date of bid submission, and relevant supporting documents shall be furnished.

Notes to Clause 5.3

- a) The reference Solar PV Power Plant of capacity as mentioned in the **clause 5.3.2**
- b) The bidder shall facilitate site visits, if required by the Department.
- c) Experience of bidder's parent company / subsidiary / group company may be considered, subject to submission of supporting documents establishing relationship and control.
- d) "Similar work" shall mean design, supply, installation, testing and commissioning of Grid-connected Solar PV Systems executed on EPC basis.

5.4 BESS (Battery Energy Storage System) Requirement

5.4.1 Experience Requirements:

The bidder shall have experience and capability in execution of Battery Energy Storage Systems (BESS) and shall meet any one of the following criteria:

- I. The bidder should have experience in supply, installation, testing, commissioning and integration of Battery Energy Storage Systems (BESS) in Solar PV Projects or standalone applications with a cumulative installed capacity of at least **100 kWh during last Five (5) years prior** to the last day of month previous to the one in which the EOI is invited;



कार्यकारी अभियंता (वि)
Executive Engineer (ELE)
लक्षद्वीप सं.श.प्र / U.T. of Lakshadweep
कवारत्ती / Kavaratti-682 555

And

II. The bidder shall have successfully executed at least **one (01) BESS project of 100 kWh or higher capacity**, which has been in **successful operation for at least one (01) year** prior to the last day of the month preceding the month in which the EOI is invited.

OR

III. The bidder shall have successfully executed at least **two (02) BESS projects of 50 kWh or higher capacity each**, each having been in **successful operation for at least one (01) year** prior to the last day of the month preceding the month in which the EOI is invited.

OR

IV. The bidder shall have successfully executed at least **three (03) BESS projects of 30 kWh or higher capacity each**, each having been in **successful operation for at least one (01) year** prior to the last day of the month preceding the month in which the EOI is invited.

OR

V. In case the bidder does not have direct **BESS experience**, The bidder shall submit an **undertaking to execute the BESS component through an Original Equipment Manufacturer (OEM) or an authorized technology partner** having relevant experience in design, supply and commissioning of BESS systems.

5.4.2 Technical Requirements:

The BESS system shall:

- a) be suitable for tropical island conditions and high humidity environment of Lakshadweep,

- b) comply with applicable MNRE guidelines, BIS / IEC standards and safety regulations,
- c) include adequate protection systems including thermal management, fire protection and monitoring systems, and
- d) be capable of remote monitoring and integration with centralized monitoring systems.

5.4.3 Scope & Responsibility of Bidder:

The bidder shall be responsible for the following:

- a) Complete design, engineering and sizing of the Battery Energy Storage System
- b) Supply, installation, testing and commissioning of the BESS
- c) Integration of BESS with Solar PV system and grid interface
- d) Battery Management System (BMS) and Energy Management System (EMS), wherever applicable
- e) Ensuring compatibility with inverter, control systems and grid requirements
- f) Performance, safety and reliability of the BESS system
- g) Warranty and replacement obligations during the defect liability and O&M period.

Notes to Clause 5.4

- a) The bidder shall submit relevant documents in support of BESS experience or undertaking from OEM / authorized partner.
- b) The bidder shall ensure that the BESS system is fully compatible with the proposed Solar PV system and meets the project requirements.
- c) The bidder shall be solely responsible for overall system performance, including integration of Solar PV and BESS.



- d) The bidder shall ensure compliance with all applicable safety standards and regulations for battery systems.

5.5 Financial Eligibility

5.5.1 The bidder shall demonstrate adequate financial capacity to undertake and successfully execute the project, including procurement, logistics, installation, commissioning and Operation & Maintenance under the island conditions of Lakshadweep.

5.5.2 Turnover Requirement

5.5.2.1 The bidder shall have a minimum average annual turnover of ₹8 Crore (Rupees Eight Crore only) during the last three (3) financial years (FY 2022–23, 2023–24 and 2024–25).

5.5.2.2 The turnover shall be certified by a Chartered Accountant and supported by audited financial statements. The turnover figures shall be brought to current value by enhancing the actual turnover at a simple rate of **7% per annum**.

5.5.3 Net Worth

5.5.3.1 The bidder shall have a **minimum net worth of ₹5 Crore (Rupees Five Crore only)** as per the latest audited financial statements.

5.5.3.2 The bidder shall not have a **negative net worth in the latest financial year**.

5.5.3.3 Net worth shall be calculated as per the latest audited financial statements.

5.5.4 Financial Capability

5.5.4.1 The bidder shall demonstrate sufficient financial capability to execute the project, including procurement of materials, transportation to island locations, installation and commissioning, and O&M obligations.

5.5.5 Supporting Documents

5.5.5.1 The bidder shall submit the following documents in support of financial eligibility:

- I. Audited Balance Sheets for the last three (3) financial years
- II. Profit & Loss Statements for the last three (3) financial years
- III. Certificate from Chartered Accountant indicating turnover and net worth

Notes to Clause 5.5

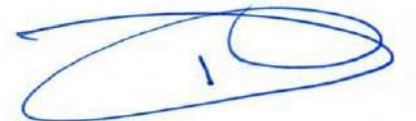
- a) In case the bidder is a subsidiary of a holding company, only the financial credentials of the bidding entity shall be considered, unless otherwise specifically permitted by the Department.
- b) In case of proprietorship or partnership firms, relevant financial documents duly certified by a Chartered Accountant shall be submitted.
- c) In case of newly incorporated entities, relaxation may be considered subject to submission of supporting documents and approval of the Competent Authority.
- d) The Department reserves the right to seek additional financial information or clarification from the bidder, if required, during evaluation.

5.6 Statutory Requirements

5.6.1 The bidder shall possess all necessary statutory registrations and comply with applicable laws and regulations for execution of the project.

5.6.2 The bidder shall submit the following valid documents:

- a) GST Registration Certificate
- b) Permanent Account Number (PAN)
- c) Income Tax Returns for the last three (3) financial years



5.6.3 The bidder shall ensure compliance with all applicable statutory requirements including but not limited to labour laws, safety regulations, environmental regulations and electrical standards.

5.7 Blacklisting / Debarment

5.7.1 The bidder shall not have been **blacklisted, debarred, or declared ineligible** by any Central Government / State Government Department, Public Sector Undertaking (PSU), or Autonomous Body, **as on the date of submission of bid.**

5.7.2 The bidder shall submit a **self-declaration** on its letterhead confirming that it has not been blacklisted or debarred as specified above.

5.7.3 If any declaration made by the bidder in this regard is found to be false or misleading at any stage, the bid shall be liable for rejection, and the bidder may be subject to appropriate action including debarment/blacklisting, in accordance with applicable rules.

5.7.4 In addition to the above, poor performance, failure to meet SLA requirements, submission of false information, or non-compliance with contractual obligations may result in blacklisting of the bidder for a period up to three (03) years, as per applicable Government rules.

5.8 OEM Authorization

5.8.1 The bidder shall submit authorization from Original Equipment Manufacturers (OEMs) for major components such as Solar Modules, Inverters and Battery Energy Storage Systems (BESS), wherever applicable.

5.8.2 The bidder shall ensure that all supplied components are sourced from reputed manufacturers and comply with applicable standards and specifications.

5.9 Consortium / Joint Venture

5.9.1 Joint Ventures (JV) or Consortiums are **not permitted** under this EOI.

5.9.2 Only individual bidders meeting the eligibility criteria shall be considered.

5.10 Compliance

5.10.1 The bidder shall comply with all applicable guidelines, standards and regulations including:

- a) MNRE Guidelines
- b) BIS / IEC Standards
- c) CEA Regulations
- d) JERC Regulations
- e) Applicable Electrical and Safety Standards

5.11 General Notes

5.11.1 The bidder shall submit all required supporting documents as part of the bid.

5.11.2 The Lakshadweep Electricity Department reserves the right to verify any information submitted by the bidder from relevant authorities at any stage of evaluation.

5.11.3 Any false, misleading or incorrect information furnished by the bidder may lead to rejection of the bid and may also result in further action as per applicable rules and regulations.

5.11.4 The Lakshadweep Electricity Department reserves the right to relax eligibility criteria in case of limited participation, subject to approval of the Competent Authority.


6. SCOPE OF WORK

6.1 General Scope

6.1.1 The scope of work under this EOI includes Survey, Design, Engineering, Supply, Installation, Testing and Commissioning (SDESITC) of Distributed Hybrid Grid-Connected Rooftop Solar PV Power Plants with integrated Battery Energy Storage Systems (BESS) on Government Buildings in the Union Territory of Lakshadweep, along with Comprehensive Operation and Maintenance (O&M) for a period of ten (10) years.


कार्यकारी अभियंता (वि)
Executive Engineer (ELE)
लक्षद्वीप सं.शा.प्र. / U.T. of Lakshadweep
कवारत्ती / Kavaratti-682 555

- 6.1.2 The project shall be executed on a turnkey basis and shall include all activities required for successful commissioning and operation of the systems, whether explicitly mentioned or not.
- 6.1.3 The bidder shall be solely responsible for overall system performance, reliability, safety and compliance with all applicable standards and regulations. All materials, manpower, scaffolding materials, machinery, tools and tackles, transportation & loading/unloading, packaging and unpacking, safe storage, watch and ward, etc., all inclusive, shall be arranged by the bidder within the quoted price. The scope shall cover all types of transportation of materials inside the working site and manpower, etc., required to execute and complete the work. Underground cabling work, if required to evacuate solar projects to the consumer's panels, shall also be in the scope of bidder.
- 6.1.4 The bidder should have service centers/authorized service providers in Lakshadweep. A detailed list with address, contact details, and proof has to be submitted. If the bidder does not have such a facility at the time of tendering, an undertaking should be submitted along with the tender on stamp paper worth Rs. 200/- agreeing to set up such a facility and intimate the same within 15 days of letter of intent.
- 6.1.5 Any fee related to registration of a project, NOC, / net metering from any of the state departments shall be borne by the bidder.
- 6.1.6 Energy Export -The hybrid solar system shall be configured to allow 0% energy export during Peak Generation time, Also The system shall be programmed to discharge up to 25% of depth discharge of battery energy storage system during the Peak Load time. The inverter and energy management system shall have the capability to enforce export limits as per the grid requirements.
- 6.1.7 It should be ensured by the Bidder that the roof does not get damaged during installation and O&M period. After installation of the solar PV system, the


कार्यकारी अभियंता (वि)
Executive Engineer (ELE)
लक्षद्वीप सं.श.प्र / U.T. of Lakshadweep
कवारत्ती/Kavaratti-682 555

roofs should remain waterproof as before. The Roofs of the buildings are not to be drilled. If any damage is caused to the roof by the Bidder, the same is to be rectified immediately by the Bidder within the quoted price and without any additional cost to Lakshadweep Electricity Department.

- 6.1.8 Electricity & Water during construction as well as operation shall be in the scope of the bidder. Detailed Scope of Work shall be as per Section (Technical Specifications).
- 6.1.9 The net-metering procurement & installation will be in the scope of the bidder.
- 6.1.10 Obtaining Net-metering approval from Lakshadweep Electricity Department for providing grid connectivity/net-metering. Submission of proposal with all required documents to Lakshadweep Electricity Department. All materials, manpower, scaffolding materials, machinery, tools and tackles, transportation & loading/unloading, packaging and unpacking, safe storage, watch and ward, etc., all inclusive, shall be arranged by the bidder within the quoted price. The scope shall cover all types of transportation of materials inside the working site and manpower, etc., required to execute and complete the work. Underground cabling work, if required to evacuate solar projects to the consumer's panels, shall also be in the scope of bidder.
- 6.1.11 Work in Monsoon and Dewatering: Unless otherwise specified elsewhere in the tender, the execution of the Work may entail working in the monsoon also. The Contractor must maintain a minimum labor force as may be required for the job and plan and execute the construction and erection according to the prescribed schedule. No extra rate will be considered for such work in monsoon. During monsoon and other period, it shall be the responsibility of the Contractor to keep the construction work site free from water logging at his own cost.
- 6.1.12 All the Works shall be executed in strict conformity with the provisions of the Contract Documents and with such explanatory detailed drawings, specification and instructions as may be furnished from time to time by the



Contractor whether mentioned in the Contract or not. The Contractor shall be responsible for ensuring that works throughout are executed in the most substantial, proper and workmanlike manner with the quality of material and workmanship in strict accordance with the Specifications. The Contractor shall provide all necessary materials, equipment, labour etc. for execution and maintenance of Work till completion unless otherwise mentioned in the Contract.

- 6.1.13 All materials shall be brand new & of the best quality and workmanship capable of satisfactory operation under the operating and climatic conditions as has been specified. Unless otherwise specified, they shall conform in all respect to the latest edition of the relevant IS codes specification wherever Indian specifications apply or IEC codes or equivalent internationally accepted standard.
- 6.1.14 The Contractor shall supply & deliver all equipment and materials for installation at site. The Contractor shall arrange for transportation, loading & unloading, local sifting, EAR insurance and safe storage of materials at project site at his own cost & risk.
- 6.1.15 A web-based monitoring system and mobile applications (compatible with Android and iOS) shall be provided for real-time performance monitoring of the system installed in each building. A secure access link shall be shared with the beneficiary and the Lakshadweep Electricity Department. Depending on the available connectivity, a GSM modem or Wi-Fi modem shall be provided for GSM-based access, or a wireless router with a modem shall be provided for Ethernet-based remote access. The monitoring system shall be centralized and controlled by the Lakshadweep Electricity Department to ensure real-time supervision and data management. For enhanced reliability, dual connectivity (both GSM and Ethernet) may be considered to ensure uninterrupted monitoring. Additionally, the system shall incorporate secure encryption standards and role-based access control (RBAC) to protect data


कार्यकारी अभियंता (वि)
Executive Engineer (ELE)
लक्षद्वीप सं.श.प्र / U.T. of Lakshadweep
कवारत्ती /Kavaratti-682 555

integrity and restrict unauthorized access.

6.1.16 Fires extinguisher is to be provided by the bidder as per safety standards.

6.1.17 Flexibility in Building Allocation and Scope Change

(a) The list of buildings identified for installation under this contract is indicative and may be revised based on administrative, technical, or feasibility considerations. In the event of any modification in building structure, accessibility, or feasibility, the Lakshadweep Electricity Department (LED) reserves the right to reallocate the installation to another suitable government building within the Union Territory of Lakshadweep.

(b) Any change in the planned capacity, whether an increase or decrease, shall remain within the contractor's scope and will be executed at the unit rates approved in the work order. Appropriate additions or deductions shall be made in the final payment in accordance with actual work executed.

(c) The contractor shall not be entitled to any additional cost, compensation, or extension of time arising from such reallocations or scope modifications. These changes shall be deemed part of the agreed contract terms and conditions.

6.1.18 The Department reserves the right to increase or decrease the total project capacity up to $\pm 25\%$ without any change in the approved rates. The contractor shall execute such variations without any additional claims.

6.2 Detailed Site Survey and Investigation

6.2.1 The bidder shall carry out detailed site survey and investigation for each location including assessment of rooftop condition, structural strength and load-bearing capacity, measurement of available rooftop area, shadow analysis considering seasonal variations, identification of obstructions, assessment of electrical infrastructure and load profile, and identification of suitable locations for installation of inverters, BESS and associated equipment. The bidder shall also consider environmental conditions such


कार्यकारी अभियंता (वि)
Executive Engineer (ELE)
लक्षद्वीप सं.श.प्र / U.T. of Lakshadweep
कवारत्ती / Kavaratti-682 555

as wind load, humidity, temperature and corrosion due to saline atmosphere.

6.2.2 The bidder shall prepare and submit detailed survey reports including site drawings, photographs, capacity assessment and feasibility analysis for approval by the concerned Department and LED prior to execution.

6.3 Detailed Engineering and Design

6.3.1 The bidder shall carry out complete engineering and design of the system including system sizing, preparation of module layout drawings, design of module mounting structures considering structural safety and corrosion resistance, electrical system design including DC and AC systems, preparation of Single Line Diagrams (SLD), wiring diagrams and control schematics, and design of BESS including battery sizing, charge-discharge cycles and integration with the solar PV system. The bidder shall also design the Battery Management System (BMS), Energy Management System (EMS), earthing system and lightning protection system.

6.3.2 All designs shall comply with applicable MNRE guidelines, BIS/IEC standards and CEA regulations and shall be submitted to the concerned Department and LED for approval prior to execution.

6.4 Supply of Equipment and Materials

6.4.1 The bidder shall supply all equipment and materials required for complete installation including solar PV modules, grid-connected or hybrid inverters, Battery Energy Storage Systems (BESS), module mounting structures suitable for coastal conditions, cables, connectors, junction boxes, protection devices, earthing materials, lightning arrestors and monitoring systems.

6.4.2 All equipment shall be new, unused, of proven quality and shall conform to applicable standards and specifications.

6.5 Transportation, Logistics and Handling

- 6.5.1 The bidder shall be responsible for complete logistics including packing, transportation, handling, storage and delivery of all materials and equipment to various islands of Lakshadweep. This shall include coordination of sea or air transport, loading and unloading at ports and shifting of materials to installation sites.
- 6.5.2 The bidder shall consider all logistical challenges associated with island conditions and no additional payment shall be made towards transportation or handling.

6.6 Installation and Erection

- 6.6.1 The bidder shall carry out complete installation and erection of the system including mounting structures, solar modules, inverters, BESS units, control panels, cables, earthing systems and lightning protection systems.
- 6.6.2 All works shall be executed in accordance with approved drawings, technical specifications and safety standards.

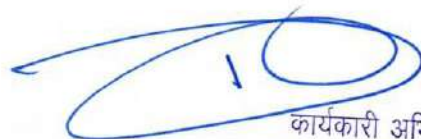
6.7 Testing and Commissioning

- 6.7.1 The bidder shall carry out pre-commissioning checks, electrical testing, functional testing of all components including inverters and BESS, and synchronization with the grid.
- 6.7.2 The bidder shall ensure proper commissioning of the system and submit all required test reports and commissioning certificate.

6.8 BESS Integration and Energy Management

- 6.8.1 The bidder shall ensure proper integration of the Battery Energy Storage System with the solar PV system and grid, including implementation of Battery Management System (BMS) and Energy Management System (EMS).
- 6.8.2 The system shall ensure safe operation, optimized energy utilization and reliable performance under all operating conditions.

6.9 Monitoring System



- 6.9.1 The bidder shall provide a comprehensive monitoring system capable of real-time monitoring of solar generation, battery status, system performance and faults.
- 6.9.2 The monitoring system shall include data logging, communication interfaces and remote access for the Department.
- 6.9.3 All data generated from the monitoring system shall be the property of Lakshadweep Electricity Department (LED). The Empanelled Vendor shall ensure unrestricted access to such data and shall not use or share the data without prior approval of the Department.
- 6.9.4 The monitoring system shall comply with applicable cyber security standards, including secure communication protocols, data encryption, and protection against unauthorized access. The system shall incorporate role-based access control (RBAC) and secure authentication mechanisms.

6.10 Operation and Maintenance (O&M)

- 6.10.1 The bidder shall provide comprehensive Operation and Maintenance services for a period of ten (10) years including routine inspection, preventive maintenance, cleaning of solar modules, monitoring of system performance, fault rectification, replacement of defective components including BESS components and submission of periodic performance reports.
- 6.10.2 The bidder shall ensure system availability, reliability and performance as per contractual requirements.

6.10.3 Service Level Agreement (SLA):

The Empanelled Vendor shall comply with the following Service Level Agreement (SLA) during the Operation & Maintenance (O&M) period, considering the geographical and logistical conditions of the Union Territory of Lakshadweep:

- (a) Complaint Response Time: The vendor shall acknowledge and respond to any complaint within 24 hours of reporting through the

designated communication system.

(b) Fault Rectification Time: The vendor shall ensure rectification of faults within the following timelines:

- **Minor faults:** Within **48 hours** of reporting
- **Major faults:** Within **72 hours** of reporting (through remote support or local technician, wherever feasible).
- **Complete rectification:** Within 7 to 15 days, depending on: Availability of spare parts, Inter-island transportation constraints, Weather conditions.

However, in cases where access to islands is affected due to adverse weather conditions, non-availability of transport (ship/air), or force majeure events, reasonable extension of time may be permitted by the Concerned Department.

***** Note: The Empanelled Vendor shall maintain critical spare parts (inverters, BESS components, communication devices, etc.) either within Lakshadweep or at a nearest accessible hub to ensure timely rectification.*

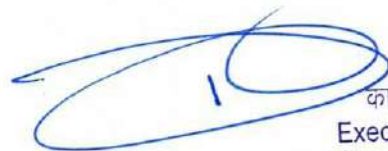
(c) Minimum System Availability (Uptime): The vendor shall ensure a minimum 98% annual system availability, excluding:

- Grid outages
- Force majeure conditions
- Scheduled maintenance approved by the Department

(d) Preventive Maintenance: The vendor shall carry out minimum four (04) preventive maintenance visits per year for each system, including module cleaning, system health checks, tightening of connections, and inspection of BESS and protection systems.

(e) Local Service Support (Mandatory): The vendor shall establish or arrange local service support within Lakshadweep, including:

- Deployment of trained technical personnel in the islands



- Availability of essential spare parts locally or within reachable logistics timeframe
- A designated service contact point for complaint registration

6.10.4 Penalty for Non-Compliance of SLA:

Failure to comply with the above SLA conditions shall attract the following penalties:

- (a) Delay in Response / Rectification: ₹500 per day per system for delay beyond stipulated timelines.
- (b) System Downtime Penalty: Additional penalty shall be imposed for prolonged system downtime affecting performance and availability, as determined by the Concerned Department.
- (c) Repeated Non-Compliance: In case of repeated failure to meet SLA requirements, the Concerned Department shall have the right to:
 - Withhold O&M payments.
 - Reduce further work allocation.
 - Suspend the vendor from empanelment.
 - Terminate the contract and/or initiate blacklisting proceedings as per applicable rules.

6.10.5 **System Availability:** The contractor shall ensure minimum system availability of 98% on annual basis. Any shortfall shall result in proportionate deduction from O&M payments.

6.11 Safety and Environmental Compliance

6.11.1 The bidder shall ensure compliance with all applicable safety standards including electrical safety, fire protection and environmental regulations. Proper safety measures shall be implemented for installation and operation of battery systems including thermal management and fire suppression systems.

6.12 Documentation and Deliverables

6.12.1 The bidder shall provide all necessary documentation including design drawings, as-built drawings, operation and maintenance manuals, test reports, commissioning reports and warranty certificates.

6.13 Training

6.13.1 The bidder shall provide training to designated personnel of the Department on system operation, monitoring, troubleshooting and maintenance.

6.14 Performance and Warranty Obligations

6.14.1 The bidder shall ensure guaranteed performance of the system and shall provide warranty for solar modules, inverters and BESS as per applicable standards.

6.14.2 The bidder shall be responsible for rectification of defects during the warranty and O&M period.

7. TECHNICAL SPECIFICATIONS

7.1 General

7.1.1 The technical specifications outlined in this section are indicative of the minimum mandatory requirements for the proposed Distributed Hybrid Grid-Connected Rooftop Solar PV Power Plants with Battery Energy Storage Systems (BESS).

7.1.2 The bidder shall ensure that all components and systems supplied and installed under this project conform to the latest MNRE guidelines, BIS standards, IEC standards, CEA regulations and other applicable statutory requirements.

7.1.3 The systems shall be designed for reliable operation under the environmental conditions prevailing in Lakshadweep, including high humidity, saline atmosphere, wind load conditions and elevated temperatures.

7.1.4 The bidder shall ensure compatibility, reliability, safety and performance of the complete system, including integration of Solar PV and BESS.

7.2 Solar PV Modules

- 7.2.1 The Solar PV modules shall be high-efficiency mono-crystalline technology, preferably N-type TOPCon / bifacial modules or equivalent latest technology, conforming to applicable BIS and IEC standards.
- 7.2.2 Only modules listed in the Approved List of Models and Manufacturers (ALMM) issued by the Ministry of New and Renewable Energy (MNRE) shall be used.
- 7.2.3 The PV modules shall comply with the latest editions of the following standards: IS 14286 ,IEC 61215 / IEC 61646 ,IEC 61730 (Part 1 & 2) ,IEC 61701 (Salt Mist Corrosion Test)
- 7.2.4 The PV modules shall be PID resistant and suitable for coastal/island conditions, including resistance to salt mist, humidity, and UV exposure.
- 7.2.5 The module construction shall include:
- Tempered, low-iron, PV-grade front glass of minimum 3.2 mm thickness with anti-reflective coating
 - UV-resistant encapsulant
 - Minimum three-layer backsheet (PVDF/PVF based)
 - Anodized aluminium frame suitable for corrosive environments
 - Junction box with IP67 or higher protection, minimum 3 bypass diodes and MC4 connectors or equivalent
- 7.2.6 Each PV module shall be provided with RFID tag or equivalent traceability system, containing details of manufacturer, electrical parameters, serial number, manufacturing details, and IEC certification. Each PV module used in any solar power project must use an RF identification tag (RFID), which must contain the following information: The RFID can be inside or outside the module laminate but must be able to withstand harsh environmental conditions.
- Name of the manufacturer of PV modules.
 - Name of the manufacturer of solar cells.

- c. Month and year of the manufacture (separately for solar cells and modules).
 - d. Country of origin (separately for solar cell and module).
 - e. I-V curve for the module.
 - f. Peak Wattage, IM, VM, and FF for the module.
 - g. Unique Serial No. and Model No. of the module.
 - h. Date and year of obtaining the IEC PV module qualification certificate.
 - i. Name of the test lab issuing the IEC certificate.
 - j. Other relevant information on traceability of solar cells and modules as per ISO 9000 series.
- 7.2.7 The following details should be provided on the module

- a. Name of the manufacturer.
- b. Month and year of manufacture.
- c. Rated Power at STC.
- d. VMP, IMP, VOC, Isc.

7.2.8 The successful bidder shall arrange an RFID reader to show the RFID details of the modules transported to sites to the site engineer in charge up to their satisfaction, which is mandatory for the site acceptance test.

7.2.9 The PV modules shall be clearly labeled with manufacturer name, rated capacity, electrical characteristics (Voc, Isc, Vmp, Imp), and date of manufacture.

7.2.10 The PV modules shall be warranted as follows:

- a) Minimum 10 years product warranty
- b) Minimum 90% output at 10 years
- c) Minimum 80% output at 25 years

7.2.11 The PV modules shall be tested and certified by IEC/NABL accredited laboratories, and relevant test certificates shall be submitted.

7.2.12 The successful bidder shall submit the **OEM warranty certificate** and arrange necessary inspection/verification facilities at site during supply and commissioning.

7.3 Inverters

7.3.1 The inverters shall be grid-connected or hybrid type, suitable for integration with Battery Energy Storage Systems.

7.3.2 The inverters shall comply with applicable IEC/BIS standards and shall be equipped with necessary protections including over-voltage, under-voltage, over-current, short circuit and anti-islanding protection.

7.3.3 The inverter shall have high conversion efficiency and shall support remote monitoring and communication interfaces.

7.3.4 The inverter shall be compatible with the BESS and capable of managing both solar generation and battery operations efficiently.

7.4 Battery Energy Storage System (BESS)

7.4.1 The Battery Energy Storage System shall be based on Lithium-ion or equivalent advanced battery technology suitable for solar applications.

7.4.2 The system shall include battery modules, Battery Management System (BMS), control systems and necessary protection mechanisms.

7.4.3 The BESS shall be designed to provide the required storage capacity and shall support charge-discharge cycles as per system requirements.

7.4.4 The system shall incorporate thermal management, fire protection and safety features.

7.4.5 The BESS shall be capable of seamless integration with the solar PV system and grid, and shall support remote monitoring and control.

7.4.6 The battery system shall be suitable for operation in island conditions with high humidity and saline environment.

a) The BESS shall meet the following minimum technical requirements:

Minimum cycle life: 6000 cycles

b) Minimum Depth of Discharge (DoD): 80%

c) Minimum Round-Trip Efficiency: 85%

7.5 Module Mounting Structure

- 7.5.1 The module mounting structure shall be designed to withstand wind loads and environmental conditions prevalent in Lakshadweep.
- 7.5.2 The structure shall be made of corrosion-resistant materials such as hot-dip galvanized steel or aluminium.
- 7.5.3 The mounting structure shall ensure proper tilt and orientation for optimal energy generation.
- 7.5.4 The design shall consider rooftop conditions and shall not adversely affect the structural integrity of the building.

7.6 PLANT METERING/ DATA LOGGING

- 7.6.1 Net meter as per CEA standards approved by the utility as per accuracy class has to be supplied and installed.
- 7.6.2 A separate Energy Meter shall be provided at the output of PCU to record the energy generation from the solar system. (This energy meter should not be integrated with PCU). This has to be calibrated and installed nearer to the Consumer meter board so that meter reader from Electrical utility could access while meter reader comes to record the meter reading, they have access to the solar meter. In case the solar meter cannot be installed near to the consumer meter board/Net meter facility, an additional display may be provided near the meter board utilising the communication protocols available within this meter.
- 7.6.3 Web based monitoring systems and applications for mobile(Android, IOS etc)for the performance of the system should be provided and the link for access has to be provided to the beneficiary and Lakshadweep Electricity department. GSM Modem/ Wi-Fi Modem in case GSM connectivity is used or Wireless Router + Modem in case Ethernet connection is being used for remote access must be provided.


कार्यकारी अभियंता (वि)
Executive Engineer (ELE)
लक्षद्वीप सं.श.प्र. / U.T. of Lakshadweep
कवारत्ती /Kavaratti-682 555

- 7.6.4 The username and password for web monitoring should be shared with the concerned office of UT of Lakshadweep along with the submission of invoice
- 7.6.5 All major parameters should be available on the digital bus and logging facility for energy auditing through the internal microprocessor and can be read on the digital front panel at any time the current values, previous values for up to a month and the average values.
- 7.6.6 The The interconnection of load with inverter output should be done after obtaining permission from the Electrical Inspectorate and Electrical Utility.
- 7.6.7 The plan scheme and drawing related to interconnection details should be submitted to the Electrical Inspectorate through a licensed Electrical contractor with the guidance of the appropriate Engineering Authority.

7.7 SURGE PROTECTION

- 7.7.1 The system should have been installed with a surge protection device (SPD) for higher withstand of the continuous PV-DC voltage during an earth fault condition. SPD shall have safe disconnection and short circuit interruption arrangements through an integrated DC in-built bypass fuse (parallel), which should get tripped in the driving failure mode of MOV, extinguishing DC arc safely in order to protect the installation against fire hazards. The SPD should be provided in the AC Distribution Box as well.

7.8 EARTHING

- 7.8.1 The solar PV plant should have a dedicated earthing system. The Earthing for array and LT power shall be made as per the provisions of IS 3043-2018, "Code of practice for earthing (Second Revision)," that governs the earthing practices of a PV system and IS 732:2019, "Code of practice for electrical wiring installations (Fourth Revision)
- 7.8.2 Earthing System shall connect all non-current-carrying metal receptacles, electrical boxes, appliance frames, chassis, and PV module mounting

structures in one long run. The earth strips should not be bolted. Earthing GI strips shall be interconnected by proper welding.

- 7.8.3 The earthing conductor should be rated for 1.56 times the maximum short circuit current of the PV array. The factor 1.56 considers 25 percent as a safety factor and 25 percent as albedo factor to protect from any unaccounted external reflection onto the PV modules, increasing its current
- 7.8.4 In any case, the cross-section area of the earthing conductor for PV equipment should be $> 6 \text{ mm}^2$ solid round tinned copper and for earthing of a lightning arrestor, the cross-section of the earthing conductor should be $> 50 \text{ mm}^2$ solid round tinned copper. The Earth Pit may be complete with cemented brick work (1:6) of minimum 150mm width duly plastered with cement mortar (inside) shall be provided. Hinged inspection covers of size not less than 300mm x 300mm with locking arrangements shall be provided. A suitable handle shall be provided on the cover by means of welding a rod on top of the cover for future maintenance.
- 7.8.5 Or,
- 7.8.6 Earth pit enclosure shall be made of UV protected weatherproof medium duty FRP with dimension 300 mm x 300mm x 300 mm.
- 7.8.7 Interconnected earth pits need to be provided in each location. A minimum required gap shall be provided in between earth pits as per the relevant standard. Body earthing shall be provided in the inverter, each panel frame, module mounting structure, kiosk, and in any other item as required.
- 7.8.8 Earth pit shall be constructed as per IS: 3043-2018. Electrodes shall be embedded below the permanent moisture level. Earth pits shall be treated with salt and charcoal if the average resistance of the soil is more than 20 ohms.
- 7.8.9 Earth resistance shall not exceed 5 ohms. Earthing systems must be interconnected using solid tinned copper strips of minimum 25 mm^2 cross-section to ensure equipotential bonding.



- 7.8.10 In compliance with Rule 11 & 61 of the Indian Electricity Rules, 1956 (as amended up to date), all non-current-carrying metal parts shall be earthing with two separate and distinct earth continuity conductors to an efficient earth electrode.
- 7.8.11 The equipment grounding wire shall be connected to the earth strip by proper fixing arrangement. Each strip shall be continued up to at least 500mm from the equipment.
- 7.8.12 Necessary provisions shall be made for bolted isolating joints of each earthing pit for periodic checking of earth resistance.
- 7.8.13 For each earth pit, a necessary test point shall be provided.
- 7.8.14 Total number of earth pits required for solar plants shall be as per the Electrical Inspectorate norms.

7.9 LIGHTNING PROTECTION FOR PV ARRAY

- 7.9.1 The SPV power plant should be provided with lightning and overvoltage protection. The source of overvoltage can be lightning or other atmospheric disturbance. The lightning conductors shall be made as per applicable Indian Standards in order to protect the entire array yard from lightning stroke.
- 7.9.2 The design and specification shall conform to IS/IEC 62305, "Protection against Lightning," which governs all lightning protection-related practices of a PV system.
- 7.9.3 The entire space occupying the SPV array shall be suitably protected against lightning by deploying the required number of lightning arresters. Lightning protection should be provided as per IS/IEC 62305.
- 7.9.4 Lightning systems shall comprise air terminations, down conductors, test links, earth electrodes, etc. as per approved drawings.
- 7.9.5 The protection against induced high voltages shall be provided by the use of surge protection devices (SPDs), and the earthing terminal of the SPD shall be connected to the earth through the earthing system.


कार्यकारी अभियंता (वि)
Executive Engineer (ELE)
लक्षद्वीप सं.श.प्र / U.T. of Lakshadweep
कवारत्ती /Kavaratti-682 555

7.9.6 The EPC contractor / company shall submit the drawings and detailed specifications of the PV array lightning protection equipment to the employer for approval before installation of the system.

7.10 Cables and Electrical Components

7.10.1 All DC and AC cables shall be of appropriate rating and shall conform to relevant BIS/IEC standards.

7.10.2 The cables shall be UV resistant, fire retardant and suitable for outdoor installation.

7.10.3 The system shall include junction boxes, combiner boxes, connectors and other electrical components required for safe and efficient operation.

7.10.4 All electrical components shall be properly sized and installed as per design requirements. Cable Cabling is required for wiring from the AC output of the inverter/PCU to the Grid Interconnection point. It includes the DC cabling from Solar Array to AJB and from AJB to inverter input.

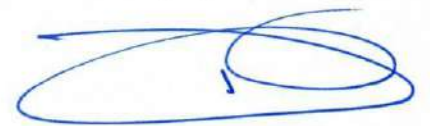
7.10.5 All cables of appropriate size to be used in the system shall have the following characteristics:

- a. Shall conform to IEC 60227 / IS 694 & IEC 60502 / IS 1554 standards.
- b. Temperature Range: -10 degrees Celsius to +80 degrees Celsius
- c. Voltage rating: 660/1000V
- d. Excellent resistance to heat, cold, water, oil, abrasion, UV radiation
- e. Flexible

7.10.6 Sizes of cables between any array interconnections, array to junction boxes, junction boxes to inverter etc. shall be so selected to keep the voltage drop (power loss) of the entire solar system to the minimum (2%).

7.10.7 For the DC cabling, XLPE or XLPO insulated and sheathed, UV stabilized single core flexible copper cables shall be used; Multi-core cables shall not be used.

7.10.8 For the AC cabling, PVC or XLPE insulated and PVC sheathed single or multi-core flexible copper cables shall be used. However, for above 10kWp systems,



XLPE insulated Aluminium cable of suitable area of cross section can be used in the AC side subject to a minimum area of cross section of 10 sq.mm. Outdoor AC cables shall have a UV -stabilized outer sheath IS/IEC 69947.

7.10.9 All LT XLPE cables shall conform to IS:7098 part I&II.

7.11 Protection Systems

7.11.1 The system shall be equipped with adequate protection mechanisms including surge protection devices (SPD), isolators, circuit breakers and earthing systems. Proper lightning protection shall be provided.

7.11.2 The system shall ensure safe operation under fault conditions and shall comply with all safety standards.

7.12 Earthing and Lightning Protection

7.12.1 The bidder shall provide a comprehensive earthing system for all components including modules, structures, inverters and BESS. Lightning arrestors shall be installed as required.

7.12.2 The earthing system shall ensure safety of equipment and personnel and shall comply with applicable standards. Internal Faults: In built protection for internal faults including excess temperature, commutation failure, over load and cooling fan failure (if fitted) is obligatory.

7.12.3 Overvoltage Protection: Over-voltage protection against atmospheric lightning discharge to the PV array is required. Protection is to be provided against voltage fluctuations in the grid itself and internal faults in the power conditioner, operational errors, and switching transients.

7.12.4 Earth fault supervision: An integrated earth fault device shall have to be provided to detect eventual earth fault on the DC side and shall send a message to the supervisory system. The SPV power plant should be provided with lightning and overvoltage protection. The source of overvoltage can be lightning or other atmospheric disturbance. The lightning conductors shall be made as per applicable Indian Standards in order to protect the entire array yard from lightning stroke.


कार्यकारी अभियंता (वि)
Executive Engineer (ELE)
लक्षद्वीप संसद / IIT of Lakshadweep
कवरत्ती, Kavaratti - 736 003

7.12.5 The design and specification shall conform to IS/IEC 62305, "Protection against Lightning," which governs all lightning protection-related practices of a PV system.

7.12.6 The entire space occupying the SPV array shall be suitably protected against lightning by deploying the required number of lightning arresters. Lightning protection should be provided as per IS/IEC 62305.

7.12.7 Lightning systems shall comprise air terminations, down conductors, test links, earth electrodes, etc. as per approved drawings.

7.13 AC DISTRIBUTION PANEL BOARD

7.13.1 The AC Distribution Board (ACDB) shall control the AC power from the inverter and should have necessary surge arrestors.

7.13.2 An ACDB panel shall be provided in between the PCU and utility grid. It shall have MCB/MCCB/ACB or circuit breaker of suitable rating for connection and disconnection of PCU from grid.

7.13.3 The connection between ACDB and the utility grid shall be of standard cable/conductor provisions with suitable termination. It shall have provision to measure grid voltage, current and power.

7.13.4 The incomer shall be selected at required rating. The ACDB enclosure shall be of good protection and suitable for mounting on the trenches / on wall.

7.13.5 All the 415 V AC or 230 V AC devices/equipment like bus support insulators, circuit breakers, SFU isolators (if applicable), SPD, etc. mounted inside the switchgear shall be suitable for continuous operation

7.13.6 Switches/ circuit breakers/ connectors meeting general requirements and safety measurements as per IS 60947 Part I, II, and III and IEC 60947 Part I, II, and III.

7.13.7 Junction boxes, enclosures, and panels for inverters shall meet IP 54 (for outdoor) or IP 65 (for indoor) as per IEC 529.

7.14 DC DISTRIBUTION BOARD


कार्यकारी अभियंता (वि)
Executive Engineer (ELE)
लक्षद्वीप सं.श.प्र. / U.T. of Lakshadweep
कवारत्ती / Kavaratti-682 555

- 7.14.1 DC bus/cable which can handle the current and the voltage of the inverter output safely with the necessary surge arrester as per the relevant IS standards.
- 7.14.2 The DC panel should be equipped with an adequate capacity indoor DC circuit breaker along with a control circuit, protection relays, fuses, annunciations, and a remote operating and controlling facility from the main control facility.
- 7.14.3 DCDB shall have a sheet from the enclosure of dust and vermin proof; the busbars and cables are to be made of copper of the desired size. DCDB shall **be fabricated to comply with IP 65 protection.**

7.15 CIVIL WORKS

- 7.15.1 **The** While installing solar power plants on rooftops, the physical condition of the rooftop, chances of shading, and chances of water level rising in the rooftop during rain due to improper drainage in the roof-top should be taken into consideration.
- PV arrays shall be installed in the terrace space free from any obstruction and/or shadow and to minimize effects of shadows due to adjacent PV panel rows.
 - The PV array shall be oriented in the south direction in order to maximize the annual energy yield of the plant.
 - The solar PV array must be installed on the rooftop in such a way that there is sufficient space on the rooftop for maintenance, etc.
 - There should not be any damage whatsoever to the rooftop due to the setting up of the solar power plant so that on a later day there is leakage of rainwater, etc. from the rooftop. The concrete Roof should not be drilled or cut during any process of installation.
 - Some civil works are necessary for erecting the footings for the module mounting structure as discussed in the Module Mounting Structure section. The rooftop may be given a suitable grading plaster with a

suitable leak-proof compound so as to render the roof entirely leak-proof.

- f) Ample clearance shall be provided in the layout of the inverter and DC/AC distribution boxes for adequate cooling and ease of maintenance.
- g) While cabling the array, care must be taken such that no loose cables lie on the rooftops.
- h) The rooftop should look clean and tidy after installation of the array.
- i) Neatness, tidiness and aesthetics must be observed while installing the systems.
- j) RCC Works: All RCC works shall be as per IS 456, and the materials used, viz., cement reinforcement, steel, etc., shall be as per relevant IS standards. Reinforcement shall be high-strength TMT Fe 415 or Fe 500 conforming to IS: 1786-1985.
- k) Brick Works (If any): All brick works shall be using 1st class bricks of approved quality as per IS 3102.
- l) Plastering: Plastering in cement mortar 1:5, 1:6, and 1:3 shall be applied to all.
- m) Display of mandatory items- Single Line A diagram and layout diagram of modules and interconnections at installation site shall be provided near the inverter for greater than 10 kWp systems.
- n) For painting on concrete, masonry and plastered surfaces, IS:2395 shall be followed. For distemping, IS 427 shall be followed. For synthetic enamel painting, IS 428 shall be followed. For cement painting, IS 5410 shall be followed.
- o) All Civil works required for the installation of the PV Plant and other civil and electrical work in evacuation infrastructure, wherever necessary, shall be within the scope of the bidder
- p) The layout of Inverter accommodation shall be designed to enable adequate heat dissipation and availability. Mount within the existing



infrastructure available in consultation with the Site in charge. String Inverters may be installed with structure over it to protect it from frequent monsoon and weather changes.

7.16 Monitoring System

- 7.16.1 The system shall be equipped with a remote monitoring system capable of tracking generation, battery status, system performance and faults.
- 7.16.2 The monitoring system shall include data logging, communication interfaces and user access through web-based platforms. The Department (LED) shall have access to real-time data and reports.
- 7.16.3 The system shall have provision for remote monitoring, control, and shut down by Lakshadweep Electricity Department (LED) for operational and safety purposes.

7.17 Performance Parameters

- 7.17.1 The system shall be designed to achieve optimal performance and energy generation.
- 7.17.2 The bidder shall ensure proper system design, installation and maintenance to achieve expected performance levels. The performance of the system shall be monitored and recorded.
- 7.17.3 The system performance shall also be evaluated based on Capacity Utilization Factor (CUF) and other applicable performance indicators.

7.18 Standards and Compliance

- 7.18.1 All components and systems shall comply with applicable MNRE guidelines, BIS standards, IEC standards, CEA regulations and other statutory requirements.
- 7.18.2 The bidder shall ensure that all equipment is certified and tested as per relevant standards.

8. SELECTION PROCEDURE



8.1 General

- 8.1.1 The selection of bidders under this Expression of Interest (EOI) shall be carried out through a **Two-Bid System**, comprising Technical Bid and Financial Bid, in accordance with the provisions of this EOI document.
- 8.1.2 The entire evaluation process shall be conducted in a transparent, systematic, objective and non-discriminatory manner, ensuring fair competition among bidders and adherence to applicable Government procurement procedures.
- 8.1.3 The evaluation of bids shall be carried out by a duly constituted Tender Evaluation Committee (TEC) appointed by the Department for this purpose.
- 8.1.4 The decision of the Department / TEC in respect of evaluation, qualification, empanelment and related matters shall be final and binding on all bidders.

8.2 Technical Evaluation

- 8.2.1 The Technical Bids submitted by the bidders shall be evaluated in detail to verify compliance with all requirements specified in this EOI, including but not limited to eligibility criteria, technical capability, past experience, financial capacity, and submission of required documents.
- 8.2.2 The evaluation shall include, inter alia, the following aspects:
- Compliance with general eligibility criteria
 - Compliance with technical eligibility requirements
 - Experience in execution of Solar PV and BESS projects
 - Submission of all mandatory documents and declarations
 - Compliance with technical specifications and standards
- 8.2.3 The Department / TEC may seek clarifications, additional documents or information from bidders during the evaluation process, wherever required, for the purpose of proper assessment.
- 8.2.4 Bidders who meet all eligibility conditions and technical requirements to the satisfaction of the Department shall be declared as **“Technically Qualified Bidders”**.


कार्यकारी अभियंता (वि)
Executive Engineer (ELE)
लक्षद्वीप सं.श.प्र / U.T. of Lakshadweep
कवारत्ती / Kavaratti-682 555

8.2.5 Bidders who fail to meet the eligibility criteria, do not submit required documents, or are found non-compliant shall be rejected and shall not be considered for Financial Evaluation.

8.3 Financial Evaluation

8.3.1 The Financial Bids of only those bidders who are declared Technically Qualified shall be opened for evaluation.

8.3.2 The bidders shall quote their rates strictly prescribed format as follows:

- ₹ per kW for Solar PV system and
- ₹ per kWh for BESS,

8.3.3 The Financial Bids shall be evaluated, and the **lowest evaluated bidder (L1)** shall be determined based on the quoted rates.

8.3.4 In case of any discrepancy, ambiguity or arithmetical error in the financial bid, the interpretation and decision of the Department shall be final and binding.

8.4 Price Reasonability

8.4.1 The Department reserves the right to assess the reasonability of the quoted rates.

8.4.2 Bids which are found to be unreasonably high, unbalanced or non-competitive may be rejected without assigning any reason.

8.4.3 The decision of the Department in this regard shall be final and binding on all bidders.

8.5 L1 Rate Discovery and Matching Mechanism

8.5.1 The L1 rate shall be discovered based on the lowest evaluated financial bid among the Technically Qualified Bidders.

8.5.2 After discovery of the L1 rate, all Technically Qualified Bidders shall be given an opportunity to match the L1 rate.

8.5.3 Bidders who agree to match the L1 rate shall be considered for empanelment under this EOI.


कार्यकारी अभियंता (वि)
Executive Engineer (ELE)
लक्षद्वीप सं.श.प्र / U.T. of Lakshadweep
कवारत्ती/Kavaratti-682 555

8.5.4 Bidders who do not agree to match the L1 rate shall not be considered for empanelment and shall have no further claim under this EOI.

8.6 Empanelment of Bidders

8.6.1 All Technically Qualified Bidders who agree to match the L1 rates shall be empanelled by the Department.

8.6.2 The empanelment shall be valid for a period of **Three (03) Years** from the date of approval or as specified by the Department.

8.6.3 Empanelment of bidders shall not confer any right or guarantee for award of work.

8.7 Work Allocation

8.7.1 The allocation of work shall be carried out among the empanelled bidders based on a combination of administrative and technical considerations, including:

- a) Island-wise requirement and project location
- b) Logistical feasibility and accessibility of sites
- c) Capacity and technical capability of the bidder
- d) Execution capability and resource availability
- e) Past performance, wherever applicable

8.7.2 The Department reserves the right to allocate work to one or more empanelled bidders, either in full or in part, in such manner as deemed appropriate for timely and effective implementation of the project.

8.7.3 The actual execution of work shall be undertaken only upon issuance of specific **Work Orders by the respective Concerned Departments (Building Owning Departments)**.

8.7.4 It is expressly clarified that the Concerned Departments shall be solely responsible for issuance of Work Orders and release of payments to the Empanelled Vendors, and Lakshadweep Electricity Department (LED) shall act only as the Nodal / Implementing Agency, without any financial liability unless otherwise specified.


कार्यकारी अभियंता (वि)
Executive Engineer (ELE)
लक्षद्वीप सं.सं.प्र / U.T. of Lakshadweep
कवारत्ती / Kavaratti-682 555

8.8 Right to Accept or Reject

- 8.8.1 The Department reserves the right to accept or reject any or all bids, either in full or in part, without assigning any reason thereof.
- 8.8.2 The decision of the Department in this regard shall be final and binding on all bidders.

8.9 Clarifications

- 8.9.1 The Department reserves the right to seek clarifications, additional documents, or information from the bidders during the evaluation of bids.
- 8.9.2 The bidder shall furnish the required clarifications within the time specified by the Department.
- 8.9.3 Failure to submit the requisite clarifications within the stipulated time, or submission of incomplete/unsatisfactory responses, may lead to rejection of the bid without further notice.

9. EMPANELMENT & RATE CONTRACT

9.1 Empanelment of Bidders

- 9.1.1 Bidders who are found technically qualified and who agree to match the discovered L1 rates shall be empanelled by the Lakshadweep Electricity Department (LED).
- 9.1.2 Upon empanelment, such bidders shall be referred to as “**Empanelled Vendors**” for the purpose of execution of works under this EOI.
- 9.1.3 The empanelment shall remain valid for a period of Three (03) Years from the date of approval, unless extended or terminated earlier by the Department.

9.2 Nature of Empanelment

- 9.2.1 Empanelment under this EOI is only for creation of a pool of eligible vendors and shall not be construed as a guarantee for award of work.
- 9.2.2 No minimum quantity or value of work is assured to any Empanelled Vendor.


कार्यकारी अभियंता (वि)
Executive Engineer (ELE)
लक्षद्वीप सं.श.प्र / U.T. of Lakshadweep
कवारत्ती/Kavaratti-682 555

- 9.2.3 Execution of work shall be undertaken only against specific Work Orders issued by the respective Concerned Departments. (Building Owning Departments).
- 9.2.4 The Concerned Departments shall be solely responsible for issuance of Work Orders and release of payments.
- 9.2.5 LED shall act as the Nodal / Implementing Agency for empanelment, technical standardization and monitoring, and shall not bear any financial liability unless otherwise specified.

9.3 Rate Contract

- 9.3.1 The rates discovered through this tender shall form the basis of a Rate Contract applicable to all Empanelled Vendors.
- 9.3.2 The L1 rate shall be a **composite evaluated rate** derived from the Financial Bid and shall be binding for execution of the complete scope of work, including Solar PV and BESS components.
- 9.3.3 The rates shall be applicable as:
- ₹ per kW for Solar PV systems and
 - ₹ per kWh for Battery Energy Storage Systems (BESS).
- 9.3.4 The quoted rates shall be **firm, fixed, and inclusive of all costs**, including but not limited to:
- Design, engineering and survey
 - Supply of all equipment and materials
 - Transportation (including inter-island logistics)
 - Loading/unloading, storage and handling
 - Installation, testing and commissioning
 - Integration of Solar PV and BESS
 - Operation and Maintenance for 10 years
 - All taxes, duties, insurance and incidental expenses


कार्यकारी अभियंता (वि)
Executive Engineer (ELE)
लक्षद्वीप सं.श.प्र./ U.T of Lakshadweep
कवासी

9.3.5 No escalation or additional payment shall be admissible on any account including logistics, site conditions, or statutory variations.

9.4 Validity of Rates

9.4.1 The discovered L1 rates shall remain valid for a period of One (01) Year from the date of empanelment.

9.4.2 The Department reserves the right to review or revise the rate contract based on market conditions, policy changes, or administrative requirements.

9.5 Work Allocation

9.5.1 Work shall be allocated based on project requirements, administrative approvals, and availability of sites.

9.5.2 The Lakshadweep Electricity Department (LED), acting as the **Nodal / Implementing Agency**, shall coordinate allocation of work among Empanelled Vendors based on project requirements, island-wise feasibility, logistical considerations and administrative requirements. however, Work Orders shall be issued by the Concerned Departments.

9.5.3 The work may be allocated **island-wise, package wise, cluster-wise or in parts** to one or more Empanelled Vendors, depending upon feasibility and implementation requirements.

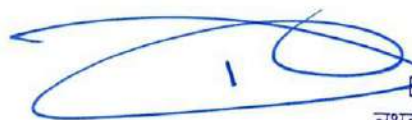
9.5.4 The execution of work shall be shall strictly be at the approved L1 rates under the Rate Contract.

9.6 Distribution of Work

9.6.1 Work shall be distributed among Empanelled Vendors in a fair, transparent and objective manner.

9.6.2 While distributing work, the following factors may be considered:

- a) Technical capability of the Empanelled Vendor
- b) Past performance, wherever applicable
- c) Timely execution capability



d) Availability of resources and manpower

9.6.3 The Department reserves the right to limit allocation to any vendor to ensure balanced distribution and timely completion.

9.7 Acceptance of Work Orders

9.7.1 The Empanelled Vendor shall accept Work Orders within the stipulated time.

9.7.2 Failure to accept or execute the work without valid justification may result in:

- a) Reduction in work allocation
- b) Suspension from empanelment
- c) Cancellation of empanelment
- d) Other action as per tender conditions

9.7.3 The Concerned Departments shall be solely responsible for issuance of Work Orders and release of payments to the Empanelled Vendors.

9.7.4 Lakshadweep Electricity Department (LED) shall not bear any financial liability unless otherwise specified.

9.8 Performance Monitoring

9.8.1 The performance of Empanelled Vendors shall be continuously monitored during execution and Operation & Maintenance period.

9.8.2 In case of unsatisfactory performance, the Department reserves the right to:

- a) Reduce future work allocation
- b) Suspend empanelment
- c) Cancel empanelment
- d) Impose penalties as per contract provisions

9.9 No Guarantee of Work

9.9.1 Empanelment does not guarantee award of work. Allocation shall depend on requirement, availability of funds and administrative approvals



9.10 Termination of Empanelment

9.10.1 The Department reserves the right to terminate empanelment in case of non-performance, submission of false information, breach of contract conditions or failure to execute assigned work.

9.11 Rights of the Department

9.11.1 The Department reserves the right to accept or reject any or all bids, modify or cancel the tender process, and allocate work in the manner deemed appropriate in public interest.

10. WORK ALLOCATION METHOD

10.1 General

10.1.1 Work allocation shall be carried out in a transparent, fair and structured manner in line with GFR provisions and established procurement practices.

10.1.2 Allocation shall be based on L1 rate discovery and subsequent L1 matching by empanelled vendors.

10.2 Basis of Allocation

10.2.1 Allocation shall be based on the following factors:

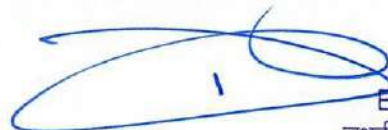
- a) Island-wise feasibility and logistics
- b) Availability of resources
- c) Execution capacity
- d) Past performance
- e) Administrative priorities

10.3 Limitation of Empanelment

10.3.1 The Department reserves the right to limit the number of Empanelled Vendors to a maximum of **Five (05)**, based on project requirement, geographical constraints, logistical feasibility and administrative considerations.

10.3.2 In case more bidders match L1, selection shall be based on:

- a) Technical strength
- b) Experience



- c) Financial capacity
- d) Execution capability

10.4 Work Allocation Control

10.4.1 The Department reserves the right to limit work allocation to ensure equitable distribution and timely execution.

10.5 Island-wise / Cluster-wise Allocation

10.5.1 . Work may be grouped geographically and allocated accordingly.

10.5.2 Clustering may be done for logistical efficiency.

10.6 Allocation Flexibility

10.6.1 The Department reserves the right to allocate work in full or in parts to any empanelled vendors. The allocation may vary depending upon site conditions, urgency of work, availability of bidders and other administrative considerations.

10.6.2 The Department may also re-allocate work in case of delay or non-performance or non-compliance by any Empanelled Vendor.

10.7 Acceptance by Bidder

10.7.1 Vendors shall confirm acceptance within stipulated time.

10.7.2 Failure to accept or execute the work without valid justification may result in Re-allocation of work, Reduction in future allocation.

10.8 Execution at Approved Rates

10.8.1 All works shall be executed strictly at discovered L1 rates. No additional cost shall be admissible.

10.9 Performance-based Allocation

10.9.1 Preference in future allocation may be given to vendors demonstrating timely and quality execution.

10.10 No Obligation Clause

10.10.1 The Department shall not be under any obligation to allocate work to all empanelled bidders.


कार्यकारी अभियंता (वि)
Executive Engineer (ELE)
लक्षद्वीप सं.श.प्र. / U.T. of Lakshadweep
कवारत्ती / Kavaratti-682 555

10.11 Controlled Work Allocation Process

10.11.1 The allocation of work shall be carried out strictly in accordance with the provisions of this EOI and shall be based on predefined criteria including L1 rate, technical capability, logistics feasibility and performance of Empanelled Vendors.

10.11.2 The Lakshadweep Electricity Department (LED), shall supervise and monitor allocation.

10.12 Restriction on Arbitrary Allocation

10.12.1 Concerned Departments shall not engage vendors outside empanelment or deviate from approved mechanism.

10.12.2 Any deviation from the prescribed allocation process shall be treated as a violation of tender conditions and may be subject to review by the Competent Authority.

10.13 Transparency and Record Requirement

10.13.1 All Work Orders shall be recorded and shared with LED for monitoring and audit.

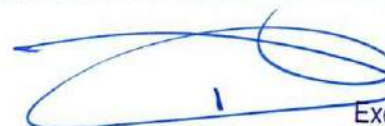
10.13.2 The Department reserves the right to review allocation of work and take corrective action in case of any irregularities.

10.14 Anti-Corruption / Integrity

10.14.1 No officer, official or representative of any Department shall solicit or accept any form of commission, consideration or undue benefit from any Empanelled Vendor in connection with allocation or execution of work.

10.14.2 Any such act, if established, shall be treated as misconduct and appropriate action shall be taken as per applicable Government rules and regulations.

10.14.3 Any Empanelled Vendor found to be involved in such practices shall be liable for Cancellation of empanelment, Termination of Work Orders, Blacklisting, Legal action as per applicable laws.



10.15 Dispute Redressal

10.15.1 Any dispute related to allocation shall be referred to LED, whose decision shall be final and binding.

11. PAYMENT TERMS

11.1 General

11.1.1 Payments shall be made by the respective **Concerned Departments (Building Owning Departments)** to the Empanelled Vendor, based on successful completion of defined milestones and certification by the authorized representative of the Concerned Department.

11.1.2 Lakshadweep Electricity Department (LED) shall act only as Nodal / Implementing Agency and shall not bear any financial liability.

11.1.3 All payments shall be subject to availability of funds, administrative approval, compliance with contract conditions.

11.1.4 **No advance payment** shall be made under any circumstances. All payments shall be released strictly based on milestone completion and certification.

11.2 Payment Terms and Schedule

11.2.1 The total contract value shall be released in stages linked to progress of work as detailed below:

A. **Supply Stage:**

30% of the contract value shall be released upon subject to

- Physical verification
- Submission of delivery challans, test certificates, insurance documents
- Certification by Concerned Department

B. **Installation Stage**

15% of the contract value shall be released upon subject to

- Site verification



- Submission of installation reports
- Certification by the Concerned Department

C. Commissioning Stage

15% of the contract value shall be released upon subject to

- Synchronization with grid
- Functional testing of PV + BESS
- Submission of commissioning reports, SLDs, as-built drawings
- Net metering approval (where applicable)
- Certification by the Concerned Department

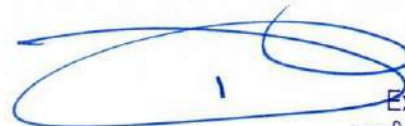
D. Operation & Maintenance (O&M)

40% of the contract value shall be released subject to

- Synchronization with grid
- Functional testing of PV + BESS
- Submission of commissioning reports, SLDs, as-built drawings
- Net metering approval (where applicable)
- Certification by the concerned Department.
- towards Comprehensive Operation & Maintenance (O&M) for a period of ten (10) years, which shall be released annually in proportionate instalments subject to satisfactory system performance, system availability, submission of periodic maintenance reports and certification by the concerned Department.

11.2.2 O&M Payment Schedule (Year-wise Distribution):

S. No	O&M Year	O&M Payment (% of total project cost)
1	O&M Year 1	3.15%
2	O&M Year 2	3.31%
3	O&M Year 3	3.49%
4	O&M Year 4	3.67%
5	O&M Year 5	3.86%



6	O&M Year 6	4.06%
7	O&M Year 7	4.27%
8	O&M Year 8	4.49%
9	O&M Year 9	4.72%
10	O&M Year 10	4.98%
Total (O&M Component)		100%

11.3 Conditions for Operation and Maintenance (O&M) Payments

11.3.1 The cost of Operation and Maintenance (O&M) for ten (10) years shall be included in the quoted rates. Payment towards O&M shall be released **annually**, in accordance with the year-wise payment schedule specified in this EOI, subject to Satisfactory system performance, required system availability, submission of maintenance and performance reports and certification by the Concerned Department

11.3.2 The bidder shall ensure system availability and performance as per agreed standards during the O&M period. Payments shall be **performance-linked**, and not automatic.

11.3.3 In case of under-performance, the Concerned Department may


- Withhold payments
- Apply deductions
- Impose penalties as per contract

11.4 Payment Conditions

11.4.1 All Payments shall be released only after submission of:

- Invoice
- Test reports
- Commissioning certificate
- Completion documents

11.4.2 Payments shall be released only after certification by the authorized officer.



11.5 Statutory Deductions

11.5.1 Applicable statutory deductions such as GST TDS, Income Tax and other deductions as per Government rules shall be made from each payment as per rules.

11.6 Delay in Payment

11.6.1 Payments shall be processed within a reasonable period after submission of complete documents and certification.

11.6.2 No interest shall be payable on delayed payment.

11.7 Performance Security

11.7.1 The Empanelled Vendor shall furnish **Performance Security equivalent to 5% of Contract Value** to the concerned department within 15 days of LoA.

11.7.2 Validity: Entire O&M period + 60 days

11.7.3 Forms:

- Bank Guarantee / FDR / DD / approved form

11.7.4 Failure to submit:

- Cancellation of award
- Invocation of Bid Security Declaration
- Debarment action
- Award to next eligible bidder

11.8 Final Payment

11.8.1 Final EPC milestone payment shall be subject to:

- Successful commissioning
- Submission of all documents
- Handover to Department

12. GENERAL CONDITIONS OF CONTRACT

12.1 General

12.1.1 The execution of work shall be governed by the terms and conditions specified in this EOI / tender document, Work Orders issued by the respective **Concerned Departments (Building Owning Departments)** and applicable Government rules and regulations.

12.1.2 The Empanelled Vendor shall be responsible for successful completion of the project in accordance with the agreed specifications, timelines and performance requirements.

12.1.3 Lakshadweep Electricity Department (LED) shall act as the Nodal / Implementing Agency, and shall not bear any financial liability unless otherwise specified.

12.2 Contract Agreement

12.2.1 The Empanelled Vendor shall enter into an agreement with the respective **Concerned Department** upon issuance of Work Order.

12.2.2 The provisions of this EOI / tender document, corrigenda (if any), Work Order and subsequent correspondence shall form part of the Contract Agreement.

12.3 Time Schedule

12.3.1 The Empanelled Vendor shall complete the work within the time specified in the Work Order issued by the Concerned Department.

12.3.2 The time schedule shall be strictly adhered to, and any delay shall attract penalties as specified in this tender.

12.4 Liquidated Damages (LD)

12.4.1 In case of delay in completion of work beyond the stipulated time, Liquidated Damages shall be levied at the rate of **0.5% of the Contract Value per week of delay**, subject to a maximum of **10% of the Contract Value**.

12.4.2 The Concerned Department shall have the right to recover the LD from payments due to the Empanelled Vendor.


कार्यकारी अभियंता (वि)
Executive Engineer (ELE)
लक्षद्वीप संघ (Lakshadweep)
कल

12.5 Performance Security

12.5.1 The Empanelled Vendor shall furnish a Performance Security equivalent to **Five Percent (5%) of the Contract Value** to the respective Concerned Department within **fifteen (15) days from the date of issuance of Letter of Award (LoA)** or Work Order, whichever is applicable. The Performance Security shall be submitted in the form of **Bank Guarantee (BG) / Fixed Deposit Receipt (FDR) / Demand Draft (DD) / online payment or any other form acceptable to the Department**, issued by a Scheduled Commercial Bank and in favour of the Concerned Department.

12.5.2 The Performance Security shall remain valid for the **entire duration of the contract including execution period and comprehensive Operation & Maintenance (O&M) period of ten (10) years, plus an additional sixty (60) days** beyond completion of all contractual obligations.

12.5.3 Failure to submit the Performance Security within the stipulated time shall constitute a **material breach of tender conditions**, and in such event, the Department shall have the right to:

- a) **Cancel/annul the award** without further notice;
- b) **Invoke the Bid Security Declaration** submitted by the bidder;
- c) **Initiate action for suspension/debarment from participation in future tenders, as per applicable Government rules and guidelines;**
- d) **Award the work to the next eligible bidder or proceed as deemed fit in accordance with tender provisions.**

12.5.4 The Performance Security shall be liable to be **forfeited, invoked, or appropriated**, in part or full, in case of non-performance, breach of contract, failure to meet contractual obligations, or any loss/damage


कार्यकारी अभियंता (वि)
Executive Engineer (ELE)
लक्षद्वीप सं.श.प्र / U.T. of Lakshadweep
कवारत्ती / Kavaratti-682 555

caused to the Department due to the acts or omissions of the Vendor, in accordance with the terms of the contract.

12.6 Defect Liability

The Empanelled Vendor shall be responsible for rectification of all defects observed and/or reported during the Defect Liability Period (DLP) and the Operation & Maintenance (O&M) period, at no additional cost to the Concerned Department.

12.7 Safety and Compliance

12.7.1 The Empanelled Vendor shall strictly comply with all applicable safety regulations, statutory requirements, and relevant standards during execution of the work, including installation, commissioning, and Operation & Maintenance phases. Any non-compliance shall be treated as a breach of contract and may attract appropriate action as per tender conditions.

12.8 Statutory Compliance

12.8.1 The bidder shall comply with all applicable laws, rules and regulations including labour laws, taxation laws, electrical regulations and environmental requirements.

12.9 Insurance

12.9.1 The Empanelled Vendor shall obtain and maintain adequate insurance coverage including:

- Contractor All Risk (CAR) Insurance
- Transit Insurance for materials and equipment
- Third-Party Liability Insurance
- Workmen Compensation Insurance

12.9.2 The insurance shall cover the entire project duration including O&M period. All costs towards insurance shall be included in the quoted price.

12.10 Force Majeure

12.10.1 Force majeure shall exclude:

- Delay in procurement
- Financial constraints
- Labour shortages

12.10.2 Must be notified within **7 days**.

12.11 Termination

12.11.1 The Concerned Department reserves the right to terminate the contract in case of:

- Non-performance
- Delay in execution
- Violation of tender conditions
- Submission of false information
- Insolvency
- Breach

12.11.2 Upon termination, the Concerned Department may get the work executed through other means at the **risk and cost of the Empanelled Vendor**.

12.11.3 In case of failure of the contractor to execute the work as per contract conditions, the Concerned Department reserves the right to complete the work through alternate means at the risk and cost of the contractor.

12.12 Dispute Resolution

12.12.1 Any dispute arising out of this contract shall be resolved amicably between the parties.

12.12.2 In case of unresolved disputes, the matter shall be referred to the **Competent Authority / appropriate authority** as per applicable Government rules.


कार्यकारी अभियंता (वि)
Executive Engineer (ELE)
लक्षद्वीप सं.श.प्र / U.T. of Lakshadweep
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12.13 Jurisdiction

12.13.1 The courts having jurisdiction over the Union Territory of Lakshadweep shall have jurisdiction over all legal matters arising out of this contract.

12.14 Indemnity

12.14.1 The Empanelled Vendor shall indemnify and keep indemnified the Concerned Department and LED against any claims, damages, losses or liabilities arising out of execution of the work.

12.15 Assignment and Subletting

12.15.1 The Empanelled Vendor shall not assign or sublet the work, in part or full, to any other party without prior written approval of the Concerned Department.

13. SPECIAL CONDITIONS OF CONTRACT

13.1 Project-Specific Conditions

13.1.1 The project shall be executed in the Union Territory of Lakshadweep, involving unique geographical, climatic, and logistical conditions.

13.1.2 The Empanelled Vendor shall duly consider all site-specific factors, including but not limited to island remoteness, limited accessibility, transportation constraints, high humidity, saline atmosphere, and wind load conditions while planning and executing the work.

13.1.3 No additional cost or claim shall be entertained on account of such conditions, and the bidder shall be deemed to have taken all such factors into consideration while quoting the rates.

13.2 Site Conditions and Responsibility

13.2.1 The Empanelled Vendor shall be deemed to have visited the site(s), examined all prevailing conditions, and satisfied itself regarding the nature and scope of work, site constraints, and all factors affecting execution. No claim whatsoever shall be entertained at a later stage.


कार्यकारी अभियंता (वि)
Executive Engineer (ELE)
लक्षद्वीप सं.श.प्र / U.T. of Lakshadweep
कवारत्ती / Kavaratti-682 555

13.3 Island Logistics and Transportation

13.3.1 The Empanelled Vendor shall be fully responsible for complete logistics including transportation, handling, storage, and delivery of all materials and equipment to various islands, including coordination with shipping agencies and local authorities.

13.3.2 The Vendor shall plan logistics in advance to ensure timely execution, and no additional compensation shall be payable on this account. All logistics cost deemed included i.e **no extra claim admissible**.

13.4 Integration with Existing Electrical System

13.4.1 The Empanelled Vendor shall ensure proper design, compatibility, and seamless integration of the Solar PV system and BESS with the existing electrical infrastructure, without affecting existing operations.

13.5 Space Constraints and Site Limitations

13.5.1 The system design shall take into account available rooftop space, structural limitations, and site-specific constraints. The Vendor shall optimize the design accordingly without any compromise on safety and performance.

13.6 Approval and Coordination

13.6.1 The Empanelled Vendor shall be responsible for obtaining all necessary approvals, clearances, and permissions from the Concerned Departments and statutory authorities, and shall coordinate effectively for execution and commissioning.

13.7 System Performance and Availability

13.7.1 The Empanelled Vendor shall ensure reliable operation (Minimum CUF / generation) of the system throughout the contract period.

13.7.2 The system shall meet the required performance parameters, generation targets, and availability levels as per design and contractual provisions (i.e Availability $\geq 95\%$).

13.8 Replacement of Defective Components


कार्यकारी अभियंता (वि)
Executive Engineer (ELE)
लक्षद्वीप सं.श.प्र / U.T. of Lakshadweep
कवारत्ती/Kavaratti-682 555

13.8.1 Any defective or underperforming components, including solar modules, inverters, and BESS components, shall be replaced by the Vendor at no additional cost during the warranty and O&M period.

13.9 Use of Quality Materials

13.9.1 All materials and equipment supplied shall be new, of high quality, and shall conform to approved specifications, MNRE guidelines, and applicable BIS/IEC standards.

13.10 Skilled Manpower

13.10.1 The Empanelled Vendor shall deploy qualified, trained, and experienced personnel for execution and O&M of the project.

13.10.2 Proper supervision and quality control shall be maintained at all stages.

13.11 Cleanliness and Site Management

13.11.1 The Empanelled Vendor shall maintain proper housekeeping at site during execution.

13.11.2 All waste materials shall be disposed of as per applicable regulations, and the site shall be restored to its original condition after completion.

13.12 Data Access and Monitoring

13.12.1 The Empanelled Vendor shall ensure that the Concerned Department and Lakshadweep Electricity Department (LED) have full and uninterrupted access to the monitoring system and performance data.

13.13 Compliance with Standards

13.13.1 The Vendor shall comply with all applicable MNRE guidelines, BIS/IEC standards, CEA regulations, JERC regulations, and other statutory requirements.

13.14 Penalty for non-performance



13.14.1 In case of failure to meet performance parameters or system availability during the O&M period, the Concerned Department shall have the right to impose penalties, withhold payments, and/or reduce further work allocation as per the provisions of the contract.

13.14.2 Performance Compliance: In case system performance falls below specified parameters, including energy generation norms, CUF, or quality standards, appropriate penalties shall be levied as per relevant contract provisions.

13.15 Mandatory Annual Energy Generation Norms and Penalty Clause:

The bidder shall ensure minimum annual energy generation (kWh/kWp) as per table.

Year	Degradation	Energy (kWh)/kWp
1	0.00%	1,224
2	1.00%	1,212
3	2.00%	1,200
4	3.00%	1,187
5	4.00%	1,175
6	5.00%	1,163
7	6.00%	1,151
8	7.00%	1,138
9	8.00%	1,126
10	9.00%	1,114
Total		11,689 kWh/kWp

13.15.1 The contractor shall ensure that the Rooftop Solar PV Plant with Battery Energy Storage System (BESS) meets the minimum annual energy generation requirements as specified below, considering standard degradation of solar PV performance over time:

13.15.2 Penalty for Shortfall in Energy Generation:

- a) The contractor shall be responsible for achieving the minimum annual energy generation as specified above for each corresponding year.
- b) In the event of any shortfall in the actual energy generation against the minimum required benchmark, a penalty shall be levied.
- c) The penalty amount shall be calculated as:
Penalty = Units of Shortfall (kWh) × Prevailing Cost of Diesel-Based Power Generation per Unit (₹/kWh) for the Previous Year
- d) The cost of diesel-based power generation shall be determined based on the average actual cost incurred by the department or utility in the previous financial year and shall be notified annually.
- e) The penalty shall be deducted from the O&M payment for the respective year or adjusted against any other dues payable to the contractor or from Performance security.
- f) Energy shall be measured at inverter output / net meter / agreed metering point.
- g) Total penalty in a year shall not exceed **O&M payment for that year**.
- h) If generation shortfall continues for **2 consecutive years**:
 - Work may be terminated
 - Vendor may be blacklisted

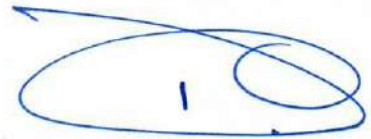
13.15.3 The Generation shortfall calculation shall exclude:

- Grid outage
- Force majeure
- Curtailment by utility
- Natural disasters

****** Note: This clause shall remain in force throughout the 10-year O&M period, and performance shall be monitored through certified energy meters and reports validated by the Engineer-in-Charge.*


कार्यकारी अभियंता (वि)
Executive Engineer (ELE)
लक्षद्वीप सं.श.प्र / U.T. of Lakshadweep
कवारत्ती / Kavaratti-682 555

14. ANNEXURES



कार्यकारी अभियंता (वि)
Executive Engineer (ELE)
लक्षद्वीप सं.श.प्र / U.T. of Lakshadweep
कवारत्ती/Kavaratti-682 555

14.1 ANNEXURE-1: COVERING LETTER

(To be submitted on bidder's letterhead)

To
The Executive Engineer
Lakshadweep Electricity Department (LED)
UT of Lakshadweep

Subject: Submission of Expression of Interest (EOI) for Empanelment of Vendors for Design, Supply, Installation, Testing, Commissioning and Comprehensive O&M of Hybrid Grid-Connected Rooftop Solar PV Systems with BESS

Sir,

With reference to the above-mentioned EOI, the undersigned hereby submits the bid for empanelment under the subject project.

It is certified that the undersigned has carefully examined and fully understood the contents of the EOI document, including all terms and conditions, technical specifications, instructions, and corrigenda (if any), and agrees to abide by the same without any deviation.

It is further certified that all information and documents submitted along with this bid are true, correct, and complete to the best of knowledge and belief. In case any information is found to be false or misleading at any stage, the Department shall have the right to reject the bid and take appropriate action as per applicable rules.

The undersigned is duly authorized to sign and submit this bid on behalf of the bidder.

Yours faithfully,

Authorized Signatory

Name:

Designation:

Name of the Bidder:

Seal & Signature:


Date:

Place:


कार्यकारी अभियंता (पि)
Executive Engineer (ELE)
लक्षद्वीप सं.श.प्र / U.T. of Lakshadweep
कवारत्ती / Kavaratti-682 555

14.3 ANNEXURE-3: LIST OF PROPOSED BUILDINGS (INDICATIVE)

LIST OF GOVT. BUILDING SURVEYED FOR INSTALLATION OF SOLAR ROOF TOP PLANT					
Island	Sl.No.	BUILDING	AREA (Sqmtr)	Capacity of Rooftop Solar Plant (KW)	Battery Capacity (kWh)
AGATTI	1	Animal Husbandary Office	163	10.9	30
	2	Deputy Collector Office	127	8.5	25
	3	Electricity Office	92	6.1	15
	4	Electricity Store	118	7.9	25
	5	Govt. Senior Secondary School	239	15.9	45
	6	Ice Plant	144	9.6	30
	7	Indian Reserve Battalion Camp	211	14.1	30
	8	JBS North	526	35.1	90
	9	JBS South	99	6.6	20
	10	Junior Basic School Center	86	5.7	15
	11	Nursery School	153	10.2	30
	12	Panchayat Building	105	7	20
	13	Police Station	195	13	30
	14	Port Office	115	7.7	20
	15	PWD New Building	200	13.3	30
	16	Rajiv Gandhi Speciality Hospital	500	33.3	90
	17	State Guest House	361	24.1	60
	18	Existing Solar Building	76	5.1	15
Total			3510	234.1	620

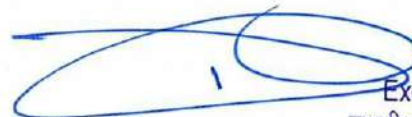


कार्यकारी अभियंता (वि)
Executive Engineer (ELE)
लक्षद्वीप सं.श.प्र / U.T. of Lakshadweep
कवारत्ती / Kavaratti-682 555

14.2 ANNEXURE-2: BID SUBMISSION CHECKLIST

Sl. No	Description	Yes / No
1	COVERING LETTER (ANNEXURE-1)	
2	BID SUBMISSION CHECKLIST (ANNEXURE-2)	
3	BIDDER QUALIFICATION REQUIREMENTS (ANNEXURE-4)	
4	UNDERTAKING FOR NON-BLACKLISTING / NON-DEBARMENT (ANNEXURE-5)	
5	UNDERTAKING FOR BESS (ANNEXURE-6)	
6	COMPLIANCE STATEMENT (ANNEXURE-7)	
7	GUARANTEED TECHNICAL PARAMETERS (ANNEXURE-8)	
8	BID SECURITY DECLARATION (ANNEXURE-11)	
9	POWER OF ATTORNEY FOR AUTHORIZED SIGNATORY (ANNEXURE-12)	
10	TECHNICAL EXPERIENCE DOCUMENTS (ANNEXURE-14) (WITH SUPPORTING DOCUMENTS)	
11	DECLARATION OF RELATIONSHIP WITH GOVT EMPLOYEES (ANNEXURE-16)	
12	NO DEVIATION CONFIRMATION (ANNEXURE-17)	
13	ALMM COMPLIANCE DECLARATION (ANNEXURE-18)	
14	UNDERTAKING FOR SITE SURVEY (ANNEXURE-19)	
15	UNDERTAKING FOR ESTABLISHMENT OF SERVICE CENTRE (ANNEXURE-20)	
16	INTEGRITY PACT (ANNEXURE-21)	
17	FORMAT FOR FINANCIAL QUALIFICATION - DOCUMENTS (AUDITED STATEMENTS, CA CERTIFICATE) (ANNEXURE-23)	
18	FINANCIAL BID (₹/KW AND ₹/KWH) (PRICE BID / BOQ FORMAT)	

Island	Sl.No.	BUILDING	AREA (Sqmtr)	Capacity of Rooftop Solar Plant (KW)	Battery Capacity (kWh)
AMINI	19	Junior Basic School North	476.02	31.7	90
	20	PWD Store	260	17.3	45
	21	Press building	120	8	25
	22	IRB new Office	114	7.6	20
	23	Police station	176	11.7	30
	24	Hospital	171	11.4	30
	25	Dak Bungalow	320	21.3	60
	26	JMMSS School	1236.2	82.4	240
	27	Nursery school (EMT) Near	103.5	6.9	15
	28	Fiber Factory	144	9.6	25
	29	Electricity Office	115	7.7	20
Total			3235.72	215.6	600
ANDROT T	30	Community Health Centre	200	13.3	30
	31	Govt. Coir Fibre Curling Unit	375.58	25	60
	32	Govt. Junior Basic School Centre	350	23.3	60
	33	P.M. Sayeed Calicut University Centre	350	23.3	60
	34	Govt. Girls Senior secondary school New building	266.8	17.8	45
	35	Port Office	152.5	10.2	30
	36	Kecheri School (JBS)	278	18.5	45
	37	Pandath School	170.38	11.4	30
	38	Police station	183.55	12.2	30
	39	Fish market	249.28	16.6	45
	40	Nursery school Pandath	731.75	48.8	120
	41	Electricity office building	208.78	13.9	30
	42	Boys Hostel	338.14	22.5	60
	43	Civil station	600.83	40.1	120



Total			4455.59	296.9	765
Island	Sl.No.	BUILDING	AREA (Sqmtr)	Capacity of Rooftop Solar Plant (KW)	Battery Capacity (KWh)
BITRA	44	Police station & residence	100	6.67	15
	45	SDO Office	189	12.6	30
	46	PWD Office	94	6.27	15
	47	RO Plant	60.5	4.03	15
	48	Govt. Cottage	213.72	14.25	45
Total			657.22	43.81	120
CHETLAT	49	APJ Abdul Kalam School	1000	66.67	90
	50	Ayurveda hospital	200	13.33	30
	51	Coir factory	150	10	30
	52	Electricity office	50	3.33	10
	53	IT department	50	3.33	10
	54	JB school	50	3.33	10
	55	Nursary school South	200	13.33	10
	56	Port office	50	3.33	10
Total			1750	116.65	220
Island	Sl.No.	BUILDING	AREA (Sqmtr)	Capacity of Rooftop Solar Plant (KW)	Battery Capacity (Kwh)
KADMAT	57	Hospital CHC	220	14.67	45
	58	Govt. Press building	252	16.8	45
	59	Govt. High School (EM)	148	9.87	25
	60	Govt. Jubior Basic School (S)	360	24	60
	61	Govt. Jubior Basic School (C)	384	25.6	60
	62	Govt. Jubior Basic School (N)	1196	79.73	210
	63	Govt. Nursery (S)	96	6.4	15



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	64	Govt. Nursery (N)	160	10.67	30
	65	Police station	85	5.67	15
	66	PWD Store	73.5	4.9	15
Total			2974.5	198.31	520
Island	SI.No.	BUILDING	AREA (Sqmtr)	Capacity of Rooftop Solar Plant (KW)	Battery Capacity (Kwh)
KALPENI	67	Nursery School south	266	17.73	45
	68	Govt. Ayush Dispensary	240	16	45
	69	JB School	350	23.33	60
	70	Govt. Residency	335	22.33	60
	71	SB School	348	23.2	60
	72	Electricity office	260	17.33	45
	73	Panchayat	200	13.33	30
	74	KMK Senior Secondary school	308	20.53	60
	75	KMK Kitchen block	255	17	45
	76	VP Hall	267	17.8	45
	77	Nursary school North	266	17.73	45
Total			3095	206.31	
KILTAN	105	Fisheries	150	10	30
	106	Govt. higher secondary school	250	16.67	45
	107	Hatchery	100	6.67	15


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	108	Panchayat	100	6.67	15
	109	SB School	200	13.33	30
Total			800	53.34	135

Island	SI.No.	BUILDING	AREA (Sqmtr)	Capacity of Rooftop Solar Plant (KW)	Battery Capacity (Kwh)
KAVARATTI	78	Danics Guest House	200	13.33	30
	79	Director of Science & Technology	130.42	8.69	25
	80	Fiber Factory	156	10.4	30
	81	Forest Head Office	262.5	17.5	45
	82	Hospital	1289	85.93	240
	83	IRB Camp 1	438.6	29.24	90
	84	IRB Camp 2	286.9	19.13	60
	85	IRB Cottage Type III	89	5.93	15
	86	IRB Cottage Type IV	169.12	11.27	30
	87	IRB Housing Complex	68.36	4.56	15
	88	ITI	120.44	8.03	15
	89	ITI Workshop	310.15	20.68	60
	90	JB North School	407.68	27.18	60
	91	Kala Academy	388.62	25.91	60
	92	LED Office	258.75	17.25	45
	93	Library	325.2	21.68	60
	94	Multipurpose Building	248.4	16.56	45
	95	Police Station	411	27.4	60
	96	Port Director Office	300	20	60
	97	Port Office	821.5	54.77	150
98	Power House	322.4	21.49	60	
99	PWD Subdivision	187.8	12.52	30	
100	Revenue Building	216.9	14.46	45	


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	101	Secretariat	176.5	11.77	30
	102	Solar Control Room	183.6	12.24	30
	103	UT Guest House	401.26	26.75	60
	104	Village Panchayat Dweep	176.8	11.79	30
Total			8346.9	556.46	
Island	SI.No.	BUILDING	AREA (Sqmtr)	Capacity of Roof Top Solar Plant (KW)	Battery Capacity (Kwh)
MINICOY	110	Electricity main office building	200	13.33	30
	111	Higher Secondary School (GSS Minicoy-Govt Secondary Minicoy)	500	33.33	90
	112	Jubilee Building	120	8	25
	113	Govt. J.B. School	320	21.33	60
	114	Govt.S.B. School	100	6.67	15
	115	Village panchayat	65.45	4.36	15
	116	PWD Office	225	15	45
	117	Multi Putpose evacuation building	195	13	30
	118	DC Office & Govt. Press (Mahal Unit)	347	23.13	60
	119	Electricity office	183.5	12.23	30
	120	Ayurvedic Hospital	65	4.33	15
	121	Police station	120	8	25
	122	Govt. Cottage	134.5	8.97	25
	123	Desalination plant-1	58.75	3.92	15
124	Desalination plant-2	150.75	10.05	30	
Total			2784.95	185.65	510
<p>*Calculated as Area required for One KW Solar plant =15 Sqm, one KW plant generates 4.5 Unit per day and considered 300 days</p>					


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14.4 ANNEXURE 4 – SUMMARY OF BID QUALIFICATION REQUIREMENTS

(To be filled in by the Bidder)

Sl. No	Particulars	Details to be filled by Bidder
1	Name of the Bidder	
2	Registered Address	
3	Contact Details	
	PAN	
	GST	
	CIN/ Registration Number	
	Mobile	
	Landline	
	Email	
4	Name & Designation of Authorized Signatory	
5	Nature of Business (EPC Contractor / System Integrator)	

EXPERIENCE DETAILS:

Sl. No	Description	Details
6	Total Number of Solar PV Projects Executed (Last 5 Years)	
7	Total Installed Capacity (kW)	
8	No. of Grid-Connected Projects	
9	Largest Single Project Executed (kW)	



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(Attach supporting documents such as work orders / completion certificates, commissioning reports)

ONGOING PROJECTS:

S. No	Project Name	Capacity (KW)	Status
1			

FINANCIAL CAPABILITY:

Financial Year	Turnover (₹)
2022-23	
2023-24	
2024-25	
(Attach CA-certified financial statements)	
Particulars	Details
Average Annual Turnover (₹)	
Net Worth (₹)	

BESS DETAILS:

Sl. No	Particulars	Yes / No	Remarks
9	Experience in BESS		

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DECLARATION

We hereby confirm that all the information provided above is true and correct. Supporting documents are attached as required.

Authorized Signatory

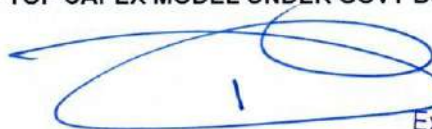
Name:

Designation:

Signature & Seal

Date:

Place:



14.5 ANNEXURE-5: UNDERTAKING FOR NON-BLACKLISTING / NON-DEBARMENT

(To be submitted on bidder's letterhead)
(Stamp paper optional — only if your department insists)

To
The Executive Engineer
Lakshadweep Electricity Department (LED)
UT of Lakshadweep

Sub: Undertaking for Non-Blacklisting / Non-Debarment

I/We hereby declare that:

1. Our firm/company has not been blacklisted, debarred or declared ineligible by any Central Government, State Government, PSU or any Government agency as on the date of submission of this bid.
2. We have not been involved in any fraudulent or corrupt practices leading to such blacklisting or debarment.
3. We undertake that in case any information provided herein is found to be false or incorrect at any stage, our bid shall be liable for rejection and appropriate action may be taken by the Department, including suspension or debarment.

We further confirm that we shall comply with all the terms and conditions of the tender.

(Signature & Seal of Authorized Signatory for which POA attached)

Name of Authorized Signatory:

Designation:

Date:

Place:



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14.6 ANNEXURE-6: UNDERTAKING FOR BESS

(To be submitted on bidder's letterhead)

Particulars	Details
Name of Bidder	
Address	

Undertaking:

We hereby undertake that:

- We have prior experience in execution of Battery Energy Storage Systems (BESS)

OR

- We shall execute the BESS component through an OEM or authorized technology partner.

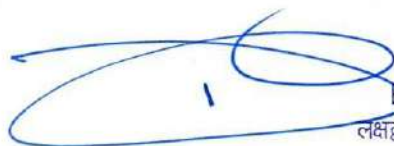
We further confirm that we shall be fully responsible for integration, performance and operation of the BESS system as per tender conditions.

Authorized Signatory

Name

Designation

Seal



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14.7 ANNEXURE-7: COMPLIANCE STATEMENT

(To be submitted on bidder's letterhead)

Sl. No	Requirement	Compliance (Yes/No)
1	MNRE Guidelines	
2	BIS Standards	
3	IEC Standards	
4	CEA Regulations	
5	Other Applicable Statutory Requirements	
6	JERC regulation	

Declaration:

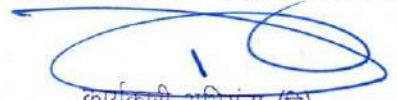
We hereby confirm that the proposed system and all components shall comply with the above standards and requirements.

Authorized Signatory

Name

Designation

Seal


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14.8 ANNEXURE 8 – GUARANTEED TECHNICAL PARAMETERS

PV MODULE:

S. No	Particulars	Required	Offered
1	PV Module Manufacturer & Country	Domestic Content Rating (DCR)	
2	PV Module Type	N-Type TOPCon Bifacial/latest technology (Preferred)	
3	Cell Configuration	144 half-cut cells	
4	Rated Power (Pmp @ STC)	≥ 580 Wp	
5	Power Tolerance	0 to +5 Wp	
6	Module Efficiency	≥ 22%	
7	Voltage at Pmax (Vmp)	As per manufacturer	
8	Current at Pmax (Imp)	As per manufacturer	
9	Open Circuit Voltage (Voc)	As per manufacturer	
10	Short Circuit Current (Isc)	As per manufacturer	
11	Temperature Coefficient (Pmax)	≤ -0.35%/°C	
12	NOCT	≤ 45°C	
13	Operating Temperature	-40°C to +85°C	
14	Maximum System Voltage	1500 V DC	
15	No. of Bypass Diodes	≥ 3	
16	Module Frame	Anodized Aluminium	
17	Glass	Tempered low iron glass	
18	Junction Box	IP65 or higher	
19	Connectors	MC4 compatible	
20	Module Life	25 years	
21	Degradation	≤ 2% first year, ≤ 0.55% thereafter	
22	Certifications	IEC 61215, IEC 61730, IEC 61701	
23	Warranty	10 -12 yr product + 25 yr performance	

INVERTER:

S. No	Particulars	Required	Offered
1	Manufacturer	To be specified	
2	Type	Grid-connected / Hybrid inverter	
3	Rated Power	100–125 kW	
4	AC Voltage	400 V, 3-phase	
5	Frequency	50 Hz	
6	Power Factor	≥ 0.99	
7	THD	≤ 3%	
8	Max DC Voltage	≥ 1100 V (Preferred 1500 V)	
9	MPPT Voltage Range	Suitable for system design	
10	Efficiency	≥ 98%	
11	Protection	OVP, UVP, OCP, OTP, Anti-islanding	
12	Communication	RS485 / Ethernet / Modbus	
13	Degree of Protection	IP65 or higher	
14	Operating Temperature	-20°C to +60°C	
15	Compliance	IEC 62109, IEC 61000	
16	Anti-Islanding	IEC 62116 / IEEE 1547	
17	Warranty	≥ 10 years	
18	Grid Interaction	Zero export / export control capable	
19	Remote Monitoring	GSM/Wi-Fi-based remote monitoring should be available for grid management.	



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BATTERY ENERGY STORAGE SYSTEM (BESS):

S.No	Particulars	Required	Offered
1	Battery Type	Lithium-ion (LiFePO ₄ preferred)	
2	Capacity	As per system design (Total ~5525 kWh)	
3	Nominal Voltage	48–51.2 V modules or higher system voltage	
4	Cycle Life	≥ 6000 cycles @ 80% DOD	
5	Charging Efficiency	≥ 95%	
6	BMS	Mandatory	
7	Communication	RS485 / CAN	
8	Operating Temperature	0°C to 55°C	
9	Protection	Over/under voltage, short circuit, thermal	
10	IP Rating	IP54 or higher	
11	Installation	Indoor/Outdoor (with enclosure)	
12	Safety Standards	IEC 62619 / UL 1973	
13	Thermal Management	Mandatory	
14	Fire Protection	Mandatory	
15	Warranty	10 years	
16	Life	10–12 years	
17	Depth of discharge	≥ 80% (Lithium Ferro Phosphate)	
18	Anti islanding feature	Mandatory	
19	Zero exporting device	Zero export during morning pear sun hours and controlled exporting from BESS during evening grid load peak hours as per the instruction of LED	

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14.9 ANNEXURE-9: FORMAT OF WORK ORDER

WORK ORDER

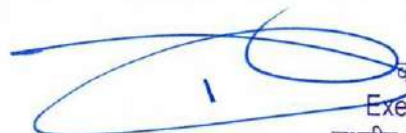
Sl. No	Particulars	Details
1	Name of Work	Design, Engineering, Supply, Installation, Testing, Commissioning and Comprehensive O&M of Hybrid Grid-Connected Rooftop Solar PV System with BESS
2	Work Order No. & Date	
3	Name of Issuing Department / Authority	
4	Name & Address of Empanelled Vendor	
5	Reference to Empanelment	EOI No: _____ dated _____
6	Location (Island)	
7	Building Name / Site Details	
8	Sanctioned / Approved Capacity	Rooftop Solar PV (RTS): _____ kW Battery Energy Storage System (BESS): _____ kWh
9	Final Installed Capacity (Post Design / Site Feasibility) (if applicable)	RTS: _____ kW BESS: _____ kWh
10	Applicable Rates (L1 Discovered)	Solar PV: ₹ ____ / kW BESS: ₹ ____ / kWh
11	Total Contract Value	₹ _____ (inclusive of all taxes, duties, transportation, O&M, etc.)
12	Time for Completion	_____ Days / Months from date of issue of Work Order
13	Scope of Work	As per EOI including Survey, Design, Engineering, Supply, Installation, Testing, Commissioning and Comprehensive O&M for 10 years
14	Payment Terms	As per EOI / Contract provisions and subject to certification by the Department



15	Performance Security	5% of Contract Value to be submitted within 15 days of issuance of Work Order/LoA, as per tender conditions
16	Liquidated Damages (LD)	Applicable as per tender conditions (0.5% per week, maximum 10%)
17	Defect Liability & O&M Period	10 (Ten) Years from date of commissioning
18	Statutory Compliance	Vendor shall comply with all applicable laws, MNRE guidelines, BIS/IEC standards, CEA & other statutory requirements
19	Insurance	As per tender conditions (CAR, Transit, Third Party, Workmen Compensation, etc.)
20	Force Majeure	Applicable as per tender conditions
21	Special Instructions / Site Conditions	
22	Remarks (if any)	

Terms & Conditions:

1. This Work Order is issued in accordance with the provisions of the EOI and forms an integral part of the Contract Agreement.
2. The Empanelled Vendor shall execute the work strictly as per the terms and conditions of the EOI, agreed rates, and applicable Government rules.
3. The capacity indicated above is **building-specific** and shall be finalized based on site feasibility, structural assessment, and design approval.
4. No deviation from the approved scope, specifications, or rates shall be permitted without prior written approval of the Competent Authority.
5. The Empanelled Vendor shall be responsible for timely completion, quality assurance, and performance of the system during the entire contract period including O&M.
6. In case of non-performance, delay, or breach of contract, action shall be taken as per tender provisions including imposition of penalties, recovery, or execution at the risk and cost of the Vendor.
7. The sanctioned capacity of Rooftop Solar PV (RTS) and BESS indicated in this Work Order is subject to variation based on detailed site survey, structural assessment, and design optimization. Such variation in capacity shall be permissible without any change in the discovered L1 rates (₹/kW for RTS and ₹/kWh for BESS), provided the same is within the overall scope of the Work Order. Any substantial variation beyond the assessed feasible capacity shall require prior approval of the Competent Authority, and shall be governed in accordance with the provisions of the EOI/Contract. No additional claims on account of such variation shall be entertained.



Issued by:

(Signature)
Name:
Designation:
Department:
Seal:

Accepted by:

(Signature of Empanelled Vendor)
Name:
Designation:
Company Name:
Seal:
Date:



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Executive Engineer (ELE)
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14.10 ANNEXURE-10: AGREEMENT FORMAT
Between Concerned Department and Empanelled Vendor
(To be executed on Non-Judicial Stamp Paper of appropriate value)

This Agreement is made on this ___ day of ___, 20

BETWEEN

(Name of Concerned Department / Building Owning Department)
UT of Lakshadweep

Through _____ (Designation)

(Hereinafter referred to as the "Department", which expression shall, unless repugnant to the context, include its successors and permitted assigns)

AND

(Name of Empanelled Vendor)

Registered Office: _____

(Hereinafter referred to as the "Contractor" / "Vendor", which expression shall include its successors and permitted assigns)

WHEREAS:

- A. Lakshadweep Electricity Department (LED) has empanelled eligible vendors under an Expression of Interest (EOI) for implementation of Hybrid Grid-Connected Rooftop Solar PV Systems with Battery Energy Storage Systems (BESS).
- B. The Contractor has been empanelled and has agreed to execute works at the discovered L1 rates under the Rate Contract.
- C. The Department has issued Work Order No. _____ dated _____ for execution of the project at _____ (site/location).
- D. The Contractor has agreed to execute the said work in accordance with the terms and conditions of the EOI, Work Order, and this Agreement.

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. Scope of Work:

The Contractor shall undertake **Survey, Design, Engineering, Supply, Transportation, Storage, Installation, Testing, Commissioning, Integration and Comprehensive Operation & Maintenance (O&M) for a period of Ten (10) Years of Hybrid Grid-Connected Rooftop Solar PV**

System with BESS, strictly in accordance with the EOI, Work Order, technical specifications, and applicable standards.

2. Contract Value

The Contract Value shall be derived based on the **approved L1 rates**, as under:

- Solar PV: ₹ _____ / kW
- BESS: ₹ _____ / kWh

The total value shall be as indicated in the Work Order and shall be **inclusive of all costs**, including design, supply, transportation, installation, insurance, taxes, duties, and O&M obligations. No additional claims shall be entertained.

3. Contract Documents

The following shall form integral part of this Agreement:

- a) EOI / Tender Document and corrigenda
- b) Empanelment letter
- c) Work Order issued by the Department
- d) Accepted bid / price bid
- e) Technical specifications and drawings
- f) Performance Security
- g) Any subsequent instructions issued in writing
- h) In case of conflict, the provisions of the **EOI shall prevail**.

4. Time Schedule: The Contractor shall complete the work within the time specified in the Work Order. Time shall be the **essence of the Contract**.

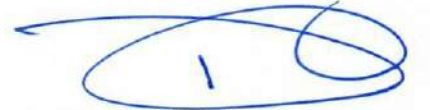
5. Performance Security: The Contractor shall furnish Performance Security equivalent to **5% of Contract Value**, valid for the entire contract period including O&M plus 60 days, in acceptable form. The same shall be liable for **forfeiture/invocation** in case of breach or non-performance.

6. Payment Terms: Payments shall be made by the Department strictly as per **milestone-based payment terms specified in the EOI and Work Order**, subject to:

- Certification by authorized officials
- Submission of required documents
- Compliance with contractual obligations
- No advance payment shall be made.

7. Operation & Maintenance (O&M): The Contractor shall provide **comprehensive O&M for Ten (10) Years** from the date of commissioning, ensuring:

- System availability and performance
- Compliance with energy generation norms
- Preventive and corrective maintenance
- O&M payments shall be performance-linked



8. Termination Performance Obligations: The Contractor shall:
 - Ensure required system performance and availability
 - Replace defective components at no cost
 - Maintain monitoring and reporting system
 - Failure shall attract penalties as per contract.
9. Liquidated Damages (LD): Delay in completion shall attract LD at **0.5% of Contract Value per week**, subject to a maximum of **10%**, recoverable from payments or Performance Security
10. Capacity Variation: The capacity indicated in the Work Order may vary based on site feasibility and design optimization. Such variation shall be executed at **approved L1 rates without any additional financial implication**, as per EOI provisions.
11. Statutory Compliance: The Contractor shall comply with all applicable laws and regulations, including:
 - MNRE guidelines
 - BIS / IEC standards
 - CEA regulations
 - Labour, safety, environmental, and tax laws
12. Insurance: The Contractor shall obtain and maintain valid insurance coverage including:
 - Contractor All Risk (CAR)
 - Transit Insurance
 - Third Party Liability
 - Workmen Compensation
 - Valid for entire contract period including O&M.
13. Risk & Cost: In case of failure or non-performance, the Department shall have the right to complete the work through alternate means at the **risk and cost of the Contractor**, without prejudice to other remedies.
14. Termination: The Department may terminate the contract in case of:
 - Non-performance or delay
 - Breach of contract conditions
 - Submission of false information
 - Upon termination, Performance Security may be forfeited and work may be executed at Contractor's risk and cost.
15. Force Majeure: Neither party shall be liable for failure due to Force Majeure events. The affected party shall notify promptly.
16. Dispute Resolution: Disputes shall be resolved amicably. Failing which, the matter shall be referred to the **Competent Authority / appropriate authority** as per applicable Government rules and provisions of GFR.
17. Jurisdiction: All legal proceedings shall be subject to the jurisdiction of courts in the **Union Territory of Lakshadweep**

18. Indemnity: The Contractor shall indemnify and keep indemnified the Department and LED against any losses, damages, claims, or liabilities arising out of execution of the work.
19. Assignment / Subletting: The Contractor shall not assign or sublet the work without prior written approval of the Department.
20. Integrity & Compliance: The Contractor shall adhere to principles of transparency and integrity. Any corrupt or fraudulent practice shall lead to **termination, blacklisting, and legal action** as per Government rules.
21. Entire Agreement: This Agreement constitutes the entire understanding between the parties and shall be read in conjunction with the EOI and Work Order.

This Agreement shall be read in conjunction with the Tender Document and Work Order, and in case of any conflict, the provisions of the Tender Document shall prevail.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the day and year first above written.

For and on behalf of the Department


(Signature)
Name:
Designation:
Seal:

For and on behalf of the Contractor

(Signature)
Name:
Designation:
Company Name:
Seal:

Witnesses:

1. Signature: _____
Name: _____
2. Signature: _____
Name: _____



कार्यकारी अभियंता (वि)
Executive Engineer (ELE)
लक्षद्वीप
क...

14.11 ANNEXURE-11: BID SECURITY DECLARATION (In LIEU of EMD)

(To be submitted on bidder's letterhead)

Date: ___ / ___ / 2026

To

The (insert Designation of head of Concerned department and address)

UT of Lakshadweep

I/We, the undersigned, hereby declare that:

1. I/We understand that, as per provisions of the General Financial Rules 2017 and relevant Government guidelines, submission of **Bid Security Declaration** is required in lieu of Earnest Money Deposit (EMD).
2. I/We hereby undertake that:
 - I/We shall not **withdraw or modify our bid** during the period of validity.
 - I/We shall **accept the award of work** in accordance with the terms and conditions of the tender, if selected.
 - I/We shall **execute the agreement and submit required performance security** within the stipulated time.
3. I/We further understand and agree that:
 - In case of any violation of the above conditions,
 - The Department shall be entitled to **initiate appropriate action**, including **suspension/debarment/blacklisting** of our firm for a period as deemed fit, as per prevailing Government rules.

Declaration

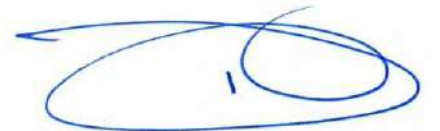
I/We hereby declare that the above information is true and correct and that we accept all consequences of any deviation or violation.

Name of Bidder: _____

Authorized Signatory: _____

Designation: _____

Seal & Signature: _____



कार्यकारी अभियंता (वि)
Executive Engineer (ELE)
लक्षद्वीप सं.श.प्र / U.T. of Lakshadweep
कवारत्ती / Kavaratti-682 555

14.12 ANNEXURE-12: POWER OF ATTORNEY FOR AUTHORIZED SIGNATORY

(To be executed on Non-Judicial Stamp Paper of appropriate value in the name of the Bidder and duly notarized)

POWER OF ATTORNEY

Know all men by these presents that we, M/s _____
having our registered office at _____ do hereby appoint and
authorize: Mr./Ms. _____ Designation:

_____ Address: _____ to act as
our true and lawful authorized signatory to do all acts, deeds and things in connection
with submission of bid for the work:

“Empanelment of Vendors for Design, Supply, Installation, Testing, Commissioning
and O&M of Hybrid Rooftop Solar PV Systems with BESS in UT of Lakshadweep”
including but not limited to:

- Signing and submission of bid documents
- Submission of undertakings, declarations and certificates
- Responding to clarifications
- Attending meetings and correspondence with the Department

We hereby agree to ratify and confirm all acts, deeds and things done by the said
authorized signatory in connection with the bid.

This Power of Attorney shall remain valid for the entire bidding process.

1 EXECUTED BY

Name of Company
Authorized Signatory
Name
Designation
Signature
Seal

2 ACCEPTED BY

Signature of Attorney
Name
Designation

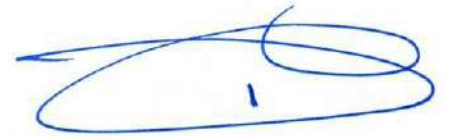
3 WITNESSES

1. Name: _____ Signature: _____



2. Name: _____ Signature: _____

4 NOTARIZATION
(Signature & Seal of Notary Public)



कार्यकारी अभियंता (वि)
Executive Engineer (ELE)
लक्षद्वीप सं.श.प्र. / U.T. of Lakshadweep
कवारत्ती/Kavaratti-682 555

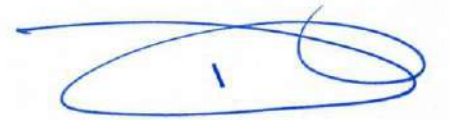
14.13 ANNEXURE-13: QUARTERLY SERVICE REPORT FORMAT

Project Details:

S. No	Particulars	Details
1	Name of Department / Building	
2	Island	
3	Capacity of Solar PV System (kW)	
4	Capacity of BESS (kWh)	
5	Date of Commissioning	

System Performance:

S. No	Particulars	Details
1	Name of Department / Building	
2	Island	
3	Capacity of Solar PV System (kW)	
4	Capacity of BESS (kWh)	
5	Date of Commissioning	
6	Quarter / Period	
7	Date of Service Visit	
8	Name of Service Engineer	



कार्यकारी अभियंता (वि)
Executive Engineer (ELE)
लक्षद्वीप सं.श.प्र / U.T. of Lakshadweep
कवारत्ती / Kavaratti-682 555

Inspection Status:

S. No	Component	Status (OK / Not OK)	Remarks
1	Solar Modules		
2	Inverter		
3	BESS		
4	Cables / Connections		
5	Earthing / Lightning Protection		
6	Monitoring System		

Maintenance Activity Carried Out:

Sl. No.	Description of Activity	Remarks
1	Module Cleaning	
2	Preventive Maintenance	
3	Fault Rectification	

Certification:

Certified that the above system has been inspected and maintained during the quarter and is functioning satisfactorily / not satisfactorily.

Signature of Service Engineer

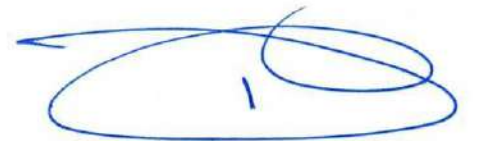
Name:

Date:

Signature of Department Representative

Name:

Date:



कार्यकारी अभियंता (वि)
Executive Engineer (ELE)
लक्षद्वीप सं.श.प्र / U.T. of Lakshadweep
कवारत्ती / Kavaratti-682 555

14.14 ANNEXURE-14: TECHNICAL EXPERIENCE OF BIDDER

Sl. No.	Name of Project	Client / Department	Location	Capacity (kW)	Scope of Work	Date of Commissioning	Whether in satisfactory operation for 6 months (Yes/No)
1.							
2.							
3.							

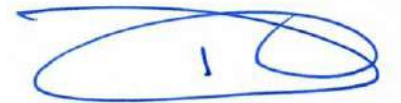
Note: Supporting documents such as Work Order / Completion Certificate / Commissioning Certificate / Performance Certificate shall be enclosed.

Authorized Signatory

Name:

Designation:

Seal:



14.15 ANNEXURE 15 – DECLARATION BY THE BIDDER

EOI Notification No: _____ Date: _____

Name of Work: Empanelment of Vendors for Design, Supply, Installation, Testing, Commissioning and Comprehensive Operation & Maintenance for 10 Years of Distributed Hybrid Grid-Connected Rooftop Solar PV Power Plants with Battery Energy Storage Systems (BESS) in UT of Lakshadweep

To

The Executive Engineer
Lakshadweep Electricity Department (LED)
UT of Lakshadweep

Declaration

1. We, the undersigned, hereby declare that:
2. We have carefully examined the EOI document and have no reservations to the same, including any corrigendum/addenda issued.
3. We agree to execute the work in conformity with the EOI conditions, technical specifications and timelines.
4. Our bid shall remain valid for a period of **180 days** from the last date of submission of bid.
5. If empanelled, we agree to furnish **Performance Security** as specified in the tender and execute the work as per issued Work Orders.
6. We are not participating in this bidding process in more than one bid.
7. Our firm, its affiliates or subsidiaries have not been declared ineligible, blacklisted or debarred by any Government / PSU.
8. We understand that this bid, along with empanelment and subsequent Work Order, shall form part of the binding contract.
9. We confirm that all materials and components proposed shall comply with MNRE guidelines, BIS/IEC standards and tender specifications.

Authorized Signatory

Date:



14.16 ANNEXURE 16 – DECLARATION OF RELATIONSHIP WITH UT of LAKSHADWEEP EMPLOYEE

(To be submitted on bidder's letterhead)

EOI Notification No.: _____ Date: _____

Name of Work: Empanelment of Vendors for Design, Supply, Installation, Testing, Commissioning and Comprehensive Operation & Maintenance for 10 Years of Distributed Hybrid Grid-Connected Rooftop Solar PV Power Plants with Battery Energy Storage Systems (BESS) in UT of Lakshadweep

To

The Executive Engineer
Lakshadweep Electricity Department (LED)
UT of Lakshadweep

Declaration

We hereby declare that:

Option 1: No Relationship

We do not have any relative working in Lakshadweep Electricity Department or any other Department under UT of Lakshadweep.

OR

Option 2: Disclosure of Relationship (if applicable)

The following relative(s) is/are working in the Lakshadweep Electricity Department or any other Department under the UT of Lakshadweep:


कार्यकारी अभियंता (वि)
Executive Engineer (ELE)
लक्षद्वीप सं.श.प्र / U.T. of Lakshadweep
कवारत्ती / Kavaratti-682 555

S. No	Name of Employee	Designation	Department	Relationship with Bidder

We hereby confirm that the above information is true and correct. We understand that any false declaration may lead to rejection of our bid and action as per applicable rules.

Authorized Signatory

Name

Designation

Company Name

Signature & Seal

Date: _____

Place: _____

14.17 ANNEXURE 17 – NO DEVIATION CONFIRMATION

(To be submitted on Bidder's Letterhead)

Subject: No Deviation Confirmation

We, M/s _____, having our registered office at _____, hereby confirm that:

1. We have carefully examined the complete Tender Document, including all sections, technical specifications, drawings, schedules, terms & conditions, amendments, corrigenda, and clarifications issued by the Department.
2. We hereby confirm and undertake that our bid is fully compliant with all the requirements, conditions, specifications, and provisions of the Tender Document.
3. We further declare that no deviations, exceptions, conditions, or assumptions whatsoever have been taken by us in our bid, either explicitly or implicitly.
4. We understand that:
 - In case any deviation is found at any stage (during evaluation, award, or execution), the same shall render our bid liable for rejection/cancellation, and/or appropriate action as deemed fit by the Department.
 - The Department's decision in this regard shall be final and binding.
5. We also confirm that we shall execute the work strictly in accordance with the Tender conditions, without seeking any deviation at a later stage.
6. This declaration is submitted in compliance with tender requirements.

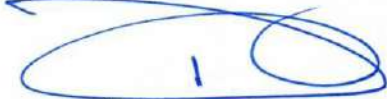
Authorized Signatory

Name: _____

Designation: _____

Date: _____

Seal: _____


कार्यकारी अभियंता (वि)
Executive Engineer (ELE)
लक्षद्वीप सं.श.प्र./ U.T. of Laksh
कवारत्ती/Kavaratti-682 500

14.18 ANNEXURE 18 – ALMM COMPLIANCE DECLARATION

(To be submitted on Bidder's Letterhead)

Subject: Declaration for Compliance with Approved List of Models and Manufacturers (ALMM).

We, M/s _____, hereby declare and confirm that:

1. The Solar PV Modules proposed to be supplied and installed under this tender shall be strictly in compliance with the Approved List of Models and Manufacturers (ALMM) issued by the Ministry of New and Renewable Energy (MNRE), Government of India.
2. We undertake that:
3. Only those Solar PV Modules enlisted in the ALMM List-I (Modules) at the time of supply shall be used.
4. The make and model of the modules shall be selected from the latest ALMM list available on MNRE portal.
5. We further confirm that:
 - No non-ALMM module shall be supplied or installed under any circumstances.
 - Any change in make/model shall be subject to prior approval of the Department and must remain within ALMM compliance.
6. We agree that:
 - In case of supply of non-compliant modules, the same shall be rejected, and the bidder shall be liable for replacement at own cost, without any time or cost implication to the Department.
 - Such non-compliance may also lead to termination of contract, forfeiture of Performance Security, and blacklisting, as per tender conditions.
7. We shall submit documentary proof of ALMM compliance (including ALMM certificate/serial listing) at the time of supply and inspection.

8. This declaration is submitted as part of our bid and shall be binding on us.

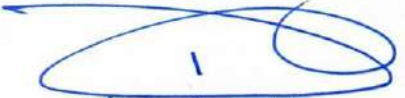
Authorized Signatory

Name: _____

Designation: _____

Date: _____

Seal: _____



कार्यकारी अभियंता (वि)
Executive Engineer (ELE)
लक्षद्वीप सं.श.प्र / U.T. of Lakshadweep
कवारत्ती / Kavaratti-682 555

14.19 ANNEXURE 19 – UNDERTAKING FOR SITE SURVEY

(To be submitted on Bidder's Letterhead)

Subject: Undertaking for Site Survey and Familiarization of Site Conditions

We, M/s _____, having our registered office at _____, hereby submit this undertaking as part of our bid for the subject tender and state as follows:

1. We confirm that we have carefully studied the tender documents, including scope of work, technical specifications, site conditions, and other relevant details.
2. We hereby undertake that:
 - We have visited and examined the proposed sites (or have made ourselves fully aware of the site conditions through available data/information provided by the Department).
 - We have assessed all local conditions, including but not limited to site accessibility, transportation, logistics, terrain, climatic conditions, availability of utilities, and any constraints specific to island locations.
3. We further confirm that:
 - We have considered all site-specific factors while preparing and submitting our bid.
 - No additional cost or claim shall be made on account of lack of knowledge of site conditions at any stage during execution of the work.
4. We undertake that:
 - Upon award of work, we shall carry out detailed site survey, design, engineering, and execution strictly in accordance with the tender conditions.
 - Any discrepancies observed at site shall be promptly brought to the notice of the Department, and necessary approvals shall be obtained before proceeding.

5. We agree that:

- The Department shall not be responsible for any misinterpretation or incorrect assessment of site conditions by us.
- All risks related to site conditions shall be deemed to be included in our quoted rates.

6. We further undertake that we shall execute the work in all respects as per site requirements and departmental instructions, without any deviation.

This undertaking is submitted in compliance with the tender requirements and shall be binding on us.

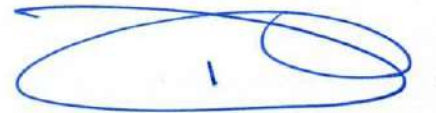
Authorized Signatory

Name: _____

Designation: _____

Date: _____

Seal: _____



कार्यकारी अभियंता (वि)
Executive Engineer (ELE)
लक्षद्वीप सं.श.प्र / U.T. of Lakshadweep
कवारत्ती/Kavaratti-682 555

14.20 ANNEXURE 20 – UNDERTAKING FOR ESTABLISHMENT OF SERVICE CENTRE

(To be submitted on Bidder's Letterhead)

Subject: Undertaking for Establishment and Maintenance of Service Centre for O&M Support

We, M/s _____, having our registered office at _____, hereby submit this undertaking as part of our bid and confirm as follows:

1. We undertake that, upon award of work, we shall establish and maintain a dedicated Service Centre / Service Support Facility for the subject project(s) within the Union Territory of Lakshadweep (or nearest feasible location as approved by the Department), for effective operation and maintenance of the installed systems.
2. We further undertake that:
 - The Service Centre shall be made fully operational within ___ days (generally 30 days) from the date of issuance of Work Order / LoA.
 - The Service Centre shall be adequately staffed with qualified technical personnel, including engineers/technicians experienced in Solar PV and BESS systems.
3. We confirm that the Service Centre shall be equipped with:
 - Necessary tools, testing instruments, and safety equipment
 - Adequate inventory of critical spare parts for timely maintenance and repairs
 - Communication facilities for prompt response to complaints.
4. We undertake to ensure:
 - Timely response and resolution of complaints as per ssssService Level Agreement (SLA) defined in the tender.


कार्यकारी अभियंता (वि)
Executive Engineer (ELE)
लक्षद्वीप सं.स.प्र / U.T. of Lakshadweep
कवारत्ती / Kavaratti-682 555

- Preventive and breakdown maintenance during the entire O&M period of 10 years.
 - Proper record keeping, reporting, and coordination with the Department.
5. We further agree that:
- Failure to establish or maintain the Service Centre as per tender conditions shall be treated as breach of contract, and may attract penalties, deduction in O&M payments, or termination, as per provisions of the tender.
 - No additional cost shall be claimed for establishment and operation of the Service Centre, and the same shall be deemed to be included in our quoted rates.
6. We also undertake that the Service Centre shall remain functional throughout the O&M period and shall not be closed/relocated without prior approval of the Department.

This undertaking is submitted in compliance with tender requirements and shall be binding on us.

Authorized Signatory

Name: _____

Designation: _____

Date: _____

Seal: _____



कार्यकारी अभियंता (वि)
Executive Engineer (ELE)
लक्षद्वीप सं.श.प्र / U.T. of Lakshadweep
कवारत्ती/Kavaratti-686 001

14.21 ANNEXURE 21 – INTEGRITY PACT

(To be executed on non-judicial stamp paper of appropriate value)

INTEGRITY PACT

This Integrity Pact is made on this ___ day of ___, 20.

BETWEEN

[Name of Concerned Department / Authority],

UT of Lakshadweep (hereinafter referred to as the “Department”), acting through Lakshadweep Electricity Department (LED),

AND

[Name of the Bidder / Contractor],

having its registered office at _____

(hereinafter referred to as the “Bidder/Contractor”).

WHEREAS

The Department intends to empanel and engage vendors for execution of works under:

“Empanelment of Vendors for Design, Engineering, Supply, Installation, Testing, Commissioning and Comprehensive Operation & Maintenance of Hybrid Grid-Connected Rooftop Solar PV Systems with Battery Energy Storage Systems (BESS)”

under EOI No. _____ dated _____.

The Department and the Bidder/Contractor agree to enter into this Integrity Pact to ensure transparency, fairness, and integrity in the tendering and execution process.

1. Commitments of the Department

1.1 The Department shall ensure that no official demands or accepts any bribe, commission, gift, or undue advantage in connection with the tender or execution of the contract.

1.2 The Department shall ensure fair, transparent, and equitable treatment of all bidders.

1.3 The Department shall not disclose confidential information in a manner that may provide undue advantage to any bidder.

1.4 The Department shall take appropriate action against officials found to be in violation of applicable conduct rules.

2. Commitments of the Bidder / Contractor

2.1 The Bidder/Contractor shall not offer, promise, or give any bribe, commission, gift, or undue advantage to any official of the Department.

2.2 The Bidder/Contractor shall not engage in collusive bidding, anti-competitive practices, or manipulation of the tender process.

2.3 The Bidder/Contractor shall disclose all payments made, or intended to be made, to agents, intermediaries, or consultants in connection with the tender or execution of the contract.

2.4 The Bidder/Contractor shall not use confidential information obtained improperly to gain undue advantage.

2.5 The Bidder/Contractor shall not indulge in fraudulent practices, coercion, or misrepresentation at any stage of the tender or contract.

3. Violations and Consequences

3.1 In the event of breach of this Integrity Pact by the Bidder/Contractor, before or after award of work, the Department shall be entitled to take appropriate action, including but not limited to:

a) Rejection of bid

b) Cancellation / termination of contract

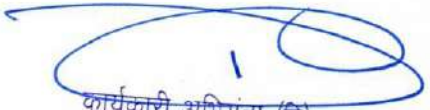
c) Forfeiture / encashment of Performance Security

d) Recovery of losses caused to the Department

e) Suspension / debarment / blacklisting as per applicable Government rules

f) Initiation of legal proceedings as per law

3.2 The decision of the Department in this regard shall be final and binding, subject to applicable rules.


कार्यकारी अभियंता (वि)
Executive Engineer (E.E.)
लक्षदीप सं.श.प्र./...
कवार... 2022

4. Independent External Monitor (IEM)

4.1 The Department may appoint Independent External Monitor(s) (IEMs) in accordance with CVC guidelines to oversee compliance of this Integrity Pact.

4.2 The Bidder/Contractor may approach the IEM(s) in case of any complaint regarding violation of this Pact.

4.3 The details of the IEM(s), if appointed, shall be notified separately.

5. Validity

5.1 This Integrity Pact shall be valid from the date of signing and shall remain in force:

a) During the entire tendering process; and

b) During the execution of the contract, including the Operation & Maintenance period.

6. Miscellaneous Provisions

6.1 This Integrity Pact shall form an integral part of the tender document and the contract.

6.2 In case of any inconsistency between this Pact and the contract, the provisions of this Pact shall prevail to the extent of ensuring integrity and transparency.

6.3 The provisions of this Pact shall survive completion or termination of the contract.

7. Signatures

For and on behalf of the Department

(Signature)

Name: _____

Designation: _____

Department: _____

Seal



For and on behalf of the Bidder / Contractor

(Signature)

Name: _____

Designation: _____

Company Name: _____

Seal

Witnesses

Signature: _____

Name & Address: _____

Signature: _____

Name & Address: _____



कार्यकारी अभियंता (वि)
Executive Engineer (ELE)
लक्षद्वीप सं.श.प्र. / U.T. of Lakshadweep
कवारत्ती / Kavaratti - 686 005

14.22 ANNEXURE 22 – EMPANELMENT AGREEMENT (BETWEEN LED AND EMPANELLED VENDOR)

(To be executed on non-judicial stamp paper of appropriate value)

EMPANELMENT AGREEMENT

This Agreement is made on this ___ day of ___, 20

BETWEEN

Lakshadweep Electricity Department (LED),

Union Territory of Lakshadweep,

having its office at _____

(hereinafter referred to as the "Department" or "Nodal Agency", which expression shall include its successors and permitted assigns)

AND

M/s _____,

having its registered office at _____

(hereinafter referred to as the "Empanelled Vendor", which expression shall include its successors and permitted assigns)

WHEREAS

A. The Department invited Expression of Interest (EOI) vide No. _____ dated _____ for empanelment of vendors for:

Design, Engineering, Supply, Installation, Testing, Commissioning and Comprehensive Operation & Maintenance of Hybrid Grid-Connected Rooftop Solar PV Systems with Battery Energy Storage Systems (BESS) on Government Buildings in the Union Territory of Lakshadweep.

B. The Vendor has participated in the EOI process and has been found eligible and agreed to execute works at the discovered L1 rates.

C. The Department, acting as the Nodal / Implementing Agency, has empanelled the Vendor for execution of works under the said EOI.

NOW, THEREFORE, IT IS AGREED AS FOLLOWS:

1. Scope of Empanelment

1.1 This Agreement governs the empanelment of the Vendor for execution of works under the above EOI.

1.2 The Empanelled Vendor shall be eligible for execution of works relating to Solar PV and

BESS systems as per the terms and conditions of the EOI.

1.3 Empanelment does not constitute a contract for execution of any specific work.

2. Nature of Agreement

2.1 This is a **non-exclusive empanelment agreement** for creation of a pool of qualified vendors.

2.2 No right or claim for award of work, minimum guaranteed business, or exclusivity shall arise from this empanelment.

2.3 Separate Work Orders shall be issued by the respective **Concerned Departments (Building Owning Departments)** for execution of specific projects.

3. Validity of Empanelment

3.1 The empanelment shall remain valid for a period of **Three (3) years** from the date of approval, unless extended or terminated earlier.

3.2 The Department reserves the right to extend the empanelment period on the same terms and conditions or with modifications, as deemed appropriate.

4. Rate Contract

4.1 The Empanelled Vendor agrees to execute works at the **discovered L1 rates**, namely:

- ₹ _____ / kW for Solar PV systems
- ₹ _____ / kWh for BESS

4.2 The rates shall be **firm and inclusive of all costs**, including design, supply, transportation, installation, integration, taxes, duties, O&M obligations, and all incidental expenses.

4.3 No escalation or additional claim shall be admissible during the validity of the rate contract, unless specifically approved.

5. Role of Nodal Agency (LED)

5.1 LED shall act as the **Nodal / Implementing Agency** for:

- Technical standardization
- Empanelment and coordination
- Monitoring and oversight

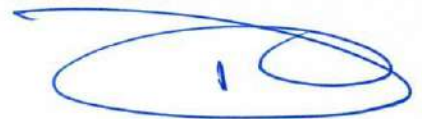
5.2 LED shall **not bear any financial liability** in respect of payments to the Vendor unless specifically provided.

6. Work Allocation

6.1 Work shall be allocated in accordance with the provisions of the EOI and approved Work Allocation Methodology.

6.2 The Vendor shall accept and execute work orders issued by Concerned Departments within the stipulated time.

6.3 Failure to accept or execute work without valid justification may result in reduction of allocation, suspension, or cancellation of empanelment.



7. Performance Obligations

7.1 The Empanelled Vendor shall ensure timely execution, quality, and performance of all works undertaken.

7.2 The Vendor shall comply with all technical specifications, standards, and performance requirements specified in the EOI and Contract.

7.3 The Vendor shall ensure Operation & Maintenance of systems for the specified period under individual Work Orders.

8. Performance Security

8.1 Performance Security shall be furnished **project-wise** to the respective Concerned Department upon issuance of Work Order, as per tender provisions.

8.2 Non-submission of Performance Security shall attract action as per tender conditions.

9. Compliance with Laws and Standards

9.1 The Vendor shall comply with all applicable laws, rules, and regulations including:

- MNRE guidelines
- BIS / IEC standards
- CEA regulations
- Labour laws, taxation laws, and environmental regulations

10. Monitoring and Performance Review

10.1 The performance of the Empanelled Vendor shall be periodically reviewed by the Department.

10.2 Based on performance, the Department may:

- Reduce or restrict further allocation
- Suspend empanelment
- Cancel empanelment

11. Suspension / Cancellation of Empanelment

11.1 The Department reserves the right to suspend or cancel empanelment in case of:

- Non-performance or delay
- Violation of tender conditions
- Submission of false information
- Failure to execute assigned work

11.2 Such action shall be taken in accordance with applicable Government rules and principles of natural justice.

12. Integrity and Ethics

12.1 The Empanelled Vendor shall comply with the Integrity Pact and maintain highest standards of ethics.

12.2 Any corrupt or fraudulent practice shall lead to strict action including termination and debarment.

13. Limitation of Liability

13.1 LED shall not be liable for any contractual or financial obligations arising out of Work Orders issued by Concerned Departments.

14. Force Majeure

14.1 Neither party shall be liable for failure or delay due to force majeure events, subject to

conditions specified in the tender.

15. Dispute Resolution

15.1 Any dispute arising out of this Agreement shall be resolved amicably.

15.2 In case of unresolved disputes, the matter shall be referred to the Competent Authority as per applicable Government rules

16. Governing Law and Jurisdiction

16.1 This Agreement shall be governed by the laws of India.

16.2 Courts having jurisdiction over the Union Territory of Lakshadweep shall have exclusive jurisdiction.

17. Entire Agreement

17.1 This Agreement shall be read in conjunction with:

- EOI / Tender Document
- Corrigenda / Amendments
- Work Allocation provisions

17.2 In case of any inconsistency, the provisions of the EOI / Tender Document shall prevail.

18. Signing

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the day and year first written above.

For Lakshadweep Electricity Department (LED)

(Nodal Agency)

(Signature)

Name: _____

Designation: _____

Seal

For Empanelled Vendor

(Signature)

Name: _____

Designation: _____

Company Name: _____

Seal

5 Witnesses

1. Signature: _____
Name & Address: _____
2. Signature: _____
Name & Address: _____



कार्यकारी अभियंता (वि)
Executive Engineer (ELE)
लक्षद्वीप सं.श.प्र / U.T. of Lakshadweep
कवारत्ती / Kavaratti-682 555

14.23 ANNEXURE 23 – FORMAT FOR FINANCIAL QUALIFICATION

(To be submitted on Bidder's Letterhead, duly signed and stamped, along with supporting documents)

A. BIDDER INFORMATION

Sl. No.	Particulars	Details
1	Name of Bidder / Firm	
2	Type of Entity (Proprietorship / Partnership / Company / LLP)	
3	Year of Incorporation / Registration	
4	Registered Office Address	
5	PAN No.	
6	GST Registration No.	
7	Name & Contact Details of Authorized Signatory	

B. ANNUAL TURNOVER DETAILS

(To be supported by audited financial statements and CA certificate)

Financial Year	Turnover (₹)
2022–23	
2023–24	
2024–25	
<i>(Attach CA-certified financial statements)</i>	
Particulars	Details

Average Annual Turnover (₹)	
Net Worth (₹)	

E. FINANCIAL CAPABILITY DECLARATION

The Bidder hereby confirms that:

1. The Bidder has adequate financial capacity to undertake and execute the works under this EOI.
2. The Bidder is not under liquidation, court receivership, or similar proceedings.
3. The Bidder has not been declared insolvent or bankrupt by any authority.
4. The Bidder is not classified as a Non-Performing Asset (NPA) by any financial institution / bank.
5. The Bidder has not defaulted in repayment of loans or financial obligations.

F. UNDERTAKING

We hereby certify that:

- The information furnished above is true and correct.
- Supporting documents including audited balance sheets, profit & loss accounts, and CA certificate are enclosed.
- In case of any misrepresentation or false information, the Department shall have the right to reject the bid and take action as per tender conditions.

G. CHARTERED ACCOUNTANT CERTIFICATE

(To be provided on CA's letterhead with membership number and seal)

This is to certify that:

1. The Annual Turnover and Net Worth details furnished above are based on the audited financial statements of the Bidder.
2. The Average Annual Turnover has been correctly calculated based on the last three (3) financial years.
3. The Net Worth of the Bidder is positive as on the last audited financial year.

Name of CA Firm: _____

Name of Chartered Accountant: _____

Membership No.: _____

UDIN: _____

(Signature & Seal of CA)

AUTHORIZED SIGNATORY

(Signature)

Name: _____

Designation: _____

Name of Bidder / Firm: _____

Seal:



14.24 ANNEXURE 24- FINANCIAL BID FORMAT / PRICE SCHEDULE							
Tender Inviting Authority: Lakshadweep Electricity Department							
Name of Work: EXPRESSION OF INTEREST (EOI) FOR EMPANELMENT OF VENDORS AND RATE CONTRACT UNDER TWO-BID SYSTEM for Site Survey, Design, Engineering, Supply, Installation, Testing, Commissioning and Comprehensive Operation & Maintenance for a period of Ten (10) Years of Distributed Hybrid Grid-Connected Rooftop Solar PV Power Plants with a cumulative capacity of 2107 kW along with 5525 kWh Battery Energy Storage Systems (BESS) on various Government Buildings in the Union Territory of Lakshadweep under CAPEX Model for Lakshadweep Electricity Department (LED), UT Administration of Lakshadweep							
Contract No: F.NO.I/4/2022-LEDA Dated: 04.05.2026							
Name of the Bidder/ Bidding Firm / Company:							
PRICE SCHEDULE							
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)							
NUMBER	TEXT	NUMBER	TEXT	NUMBER	NUMBER	NUMBER	TEXT
Sl. No.	Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder (Rs. /Kwp & Rs/kWh)	GST AMOUNT (as applicable)	TOTAL AMOUNT (as applicable)	TOTAL AMOUNT In Words

B.	Solar PV System						
1	Design, Engineering, Supply, Installation, Testing & Commissioning of Grid-Connected Rooftop Solar PV System	2107	kW		0.00	0.00	INR Zero Only
B	Battery Energy Storage System (BESS)						
2	Supply, Installation, Testing & Integration of Battery Energy Storage System (BESS)	5525	kWh		0.00	0.00	INR Zero Only
Total Rate					0.00	0.00	
Quoted Rate in Words		INR Zero Only					


 कार्यकारी अभियंता (वि)
 Executive Engineer (ELE)
 लक्षद्वीप सं.श.प्र./U.T. of Lakshadweep
 कवारत्ती/Kavaratti-682 555