GOVERNMENT OF THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA

MINISTRY OF TRANSPORT, HIGHWAYS AND URBAN DEVELOPMENT

SRI LANKA LAND DEVELOPMENT CORPORATION

BIDDING DOCUMENT

CONTRACT FOR PERIODIC SERVICES OF SOLAR POWERED GRID-TIED SYSTEMS AT SLLDC WALKWAY AREAS & MAINTENANCE OFFICES.

PROCUREMENT NO : S/498/26

BID CLOSING DATE : 03rd November 2026 at 13:30 Hrs

Chairman,
Department of Procurement Committee,
Sri Lanka Land Development Corporation
No. 03, Sri Jayewardenepura Mawatha
Welikda
Rajagiriya.

Tel. No. : 0112866832 Fax No. : 0112871637 Email : supplies@sllrdc.lk

October - 2026

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TABLE OF CONTENTS

Volume - 1

- Invitation for Bids
- Section 1 - Instructions to Bidders
- Section 2 - Standard Forms (Contract)
- Section 3 - Conditions of Contract

Volume - 2

- Section 4 - Form of Bid & Qualification Information
- Section 5 - Bidding Data & Contract Data
- Section 6 - Specification
- Section 7 - Bill of Quantities
- Section 8 - Drawings
- Section 9 - Standard Forms (Bid)

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MINISTRY OF TRANSPORT, HIGHWAYS AND URBAN DEVELOPMENT

SRI LANKA LAND DEVELOPMENT CORPORATION

Invitation for Bids (IFB)

CONTRACT FOR PERIODIC SERVICES OF SOLAR POWERED GRID-TIED SYSTEMS AT SLLDC WALKWAY AREAS & MAINTENANCE OFFICES.

1. The Chairman Department Procurement Committee of Sri Lanka Land Development Corporation (SLLDC) invites sealed bids from eligible and qualified bidders for **Contract of Periodic Services of Solar Powered Grid-Tied Systems at SLLDC Walkway areas & Maintenance offices.**

   Brief description of the work: This contract covers bi-annual inspection, routine cleaning, testing and preventive servicing of On-Grid Solar PV systems across SLLDC Walkways and Maintenance Offices. The objective is to maximize performance, ensure safety, and preserve grid compliance. The contract period is 1 year.

Procurement No	Description	Required Bid security
S/498/26	**Contract for Periodic Services Of Solar Powered Grid-Tied Systems At SLLDC Walkway areas & Maintenance offices.**	**Rs.12,000.00**

2. Bidding will be conducted through National Shopping Bidding Procedure.

3. To be eligible for contract award, the successful bidder shall have past experience in similar nature and size of work during the last **three years**. A list of such locations, contact persons and the telephone numbers to be submitted.

4. Interested bidders may obtain further information from Deputy General Manager (D&R), Sri Lanka Land Development Corporation, Tel 0112886965, Fax 0112862058, Email: sllrdc.dr@gmail.com and inspect the bidding documents at the office of Deputy General Manager (Supplies), Sri Lanka Land Development Corporation during the office hours, **from 9:00 hrs. to 15:30 hrs.**

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5. A complete set of Bidding Document in English language could be purchased by interested bidders on the submission of a written application to the Deputy General Manager (Supplies) Sri Lanka Land Development Corporation during working days until **15:30 hrs from 12th October 2026 up to 02nd November 2026** upon payment of a non-refundable fee of Rs.**1,000/=.** The method of payment will be in cash to, Sri Lanka Land Development Corporation.

6. Bids shall be delivered with duplicate separately sealed to the address given below, or deposited to the identified box kept in Supplies Division (1stFloor in new head office building).

Chairman,
Department of Procurement Committee,
C\O Deputy General Manager (Supplies)
Sri Lanka Land Development Corporation,
No.03, SriJayawardenepura Mw.,
Welikada, Rajagiriya.

Before **13.30 hrs on 03rd November 2026.** Late-bids will be rejected. Bids will be opened soon after closing in the presence of the bidders' representatives, who choose to attend.

7. Bid shall be valid up to **19th January 2027**

8. All Bids shall be accompanied by a Bid Security of Ten Thousand Rupees (**Rs. 12,000/=).** Bid security shall be from a licensed commercial bank operating in Sri Lanka and approved by the Central Bank of Sri Lanka. It shall be irrevocable and unconditionally encashable upon the first written demand by the employer. Bid security shall be valid up to **16th February, 2027.** Cash Bond also could be submitted (Bidder Could pay cash to cashier, SLLDC and attach **original receipt** to the bid)

9. Bidders are instructed to clarify any matter regarding this contract by,

Deputy General Manager (D&R),
Sri Lanka Land Development Corporation,
No. 03 Sri Jayawardenepura Mawatha,
Welikada,
Rajagiriya.

Tel- 0112886965
Fax- 0112862058
Web- www.landdevelopment.lk

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Section – 1

INSTRUCTIONS TO BIDDERS (ITB)

Notes:

Instructions to Bidders shall be read in conjunction with Bidding Data under Section 5 (Volume 2). Matters governing the performance of the Contractor, payments under the Contract, or matters affecting the risks, rights, and obligations of the parties under the Contract are included under Section 3 – Conditions of Contract (Volume 1) and Contract Data under Section 5 (Volume 2). However, some information is reproduced in this section to facilitate the bidders to price their bids.

Instruction to Bidders will not be part of the Contract and will cease to have effect once the Contract is signed.

Note:

Please refer the CIDA standard Bidding Document Procurement of Works, CIDA/SBD/03, Second Edition-January 2007 (not attached with this document) for the following section.

Section 01 – Instructions to Bidders

SECTION - 2
STANDARD FORMS (CONTRACT)

Note :

Please refer Volume I of the CIDA Standard Bidding Document, Procurement of Works, CIDA/SBD/03, Second Edition - January 2007.

* Letter of Acceptance
* Agreement
* Performance Security
* Advance Payment Security
* Retention Money Guarantee

Notes on Standard Forms:

- *Bidders shall submit the completed Form of Bid Security as appropriate in compliance with the requirements of the bidding documents.*
- *Bidders should not complete the Form of Agreement at the time of preparation of bids.*
- *The successful bidder will be required to sign the Form of Agreement, after the award of contract.*
- *Any corrections or modifications to the accepted bid resulting from arithmetic corrections, acceptable deviations, or quantity variations in accordance with the requirements of the bidding documents should be incorporated into the Agreement.*
- *The Form of Performance Security, Form of Advance Payment Security and Form of Retention Money Guarantee should not be completed by the bidders at the time of submission of bids.*
- *The successful bidder will be required to provide these securities in compliance with requirements herein or as acceptable to the Employer.*

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FORM OF LETTER OF ACCEPTANCE

----------*[date]*

[LETTER HEADING PAPER OF THE PROCURING ENTITY]

To: ----------

[Name and address of the Contractor]

This is to notify you that your bid dated----------*[insert date]* for the construction and remedying defects of the ----------*[name of the Contract and identification number]* for the Contract price of ---------- *[name of currency]*----------*[amount in figures and words]* as corrected in accordance with Instructions to Bidders and/or modified by a Memorandum of Understanding, is hereby accepted.

You are hereby instructed to proceed with the execution of the said Works in accordance with the Contract documents.

The Start Date shall be: ----------*(fill the date as per Conditions of Contract).*

The amount of Performance Security is: ----------*(fill the date as per Conditions of Contract).*

The Performance Security shall be submitted on or before ----------*(fill the date as per Conditions of Contract).*

Authorized Signature : ----------

Name and title of Signatory: ----------

Name of Agency : ----------

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FORM OF AGREEMENT

This AGREEMENT, made the -------*[day]* day of ---------- *[month]* 20---- *[year]* between ----------*[name and address of Employer]* (hereinafter called "the Employer") of the one part, and ----------*[name and address of Contractor]* (hereinafter called "the Contractor") of the other part.

WHEREAS the Employer desires that the Contractor execute ----------*[name and identification number of Contract]* (hereinafter called "the Works") and the Employer has accepted the Bid by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

NOW THIS AGREEMENT WITNESSETH as Follows:

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to, and they shall be deemed to form and be read and construed as part of this Agreement.

2. In consideration of the payments to be made by the employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all respects with the provisions of the Contract.

3. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying of defects wherein the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

In Witness whereof the parties thereto have caused this Agreement to be executed the day and year aforementioned, in accordance with laws of Sri Lanka.

……

……..

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Authorized signature of Contractor
COMMON SEAL

Authorized signature of Employer
COMMON SEAL

In the presence of:

Witnesses:

1. Name and NIC No : …….
   Signature : ……..
   Address : …….

2. Name and NIC No : …….
   Signature : ……
   Address : …….

FORM OF PERFORMANCE SECURITY

(Unconditional)

[Issuing Agency's Name, and Address of Issuing Branch or Office]

Beneficiary: ----------

[name and Address of Employer]

Date : ----------

PERFORMANCE GUARANTEE No.: ----------

We have been informed that ----------*[name of Contractor]* (hereinafter called "the Contractor") has entered into Contract No. ---------- *[reference number of the contract]* dated ---------- with you, for the ---------- [insert "construction"] of ----------*[name of contract and brief description of Works]* (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, a performance guarantee is required.

At the request of the Contractor, we ----------*[name of Agency]* hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of ----------*[amount in figures]* (----------) *[amount in words]*, upon receipt by us of your first demand in writing accompanied by a written statement stating that the Contractor is in breach of its obligation(s) under the Contract, without your needing to prove or to show grounds for your demand or the sum specified therein.

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This guarantee shall expire, no later than the ------day of -------20—*[insert date, 28 days beyond the Intended Completion Date]* and any demand for payment under it must be received by us at this office on or before that date.

……

[signature(s)]

FORM OF ADVANCE PAYMENT SECURITY

[Name and address of Agency, and Address of Issuing Branch or Office]

Beneficiary : ----------

[Name and Address of Employer]

Date: ----------

ADVANCE PAYMENT GUARANTEE No: ----------

We have been informed that ----------*[name of Contractor]* (hereinafter called "the Contractor") has entered into Contract No. ----------*[reference number of the contract]* dated ----------*[name of contract and brief description]* (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, an advance payment in the sum ----------*[amount in figures] (*----------*) [amount in words]* is to be made against an advance payment guarantee.

At the request of the Contractor, we ----------*[name of issuing agency]* hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of ----------*[amount in figures]* (----------) *[amount in words]*[4] upon receipt by us of your first demand in writing accompanied by a written statement stating that the Contractor is in breach of its obligation in repayment of the Advance payment under the Contract.

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The maximum amount of this guarantee shall be progressively reduced by the amount of the advance payment repaid by the Contractor.

This guarantee shall expire on ---------- *[Insert the date, 28 days beyond the Intended Completion Date]*

Consequently, any demand for payment under this guarantee must be received by us at this office on or before that date.

[signature(s)]

FORM OF RETENTION MONEY GUARANTEE

[Issuing Agency's Name, and Address of Issuing Branch or Office]

Beneficiary: ----------

[Name and Address of Employer]

Date: ----------

RETENTION MONEY GUARANTEE No.: ----------

We have been informed that ---------- *[name of Contractor]* (hereinafter called "the Contractor") has entered into Contract No. ---------- *[Reference number of the contract]* dated ----------with you, for the execution of ---------- *[name of contract and brief description of Works]* (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, when the works have being taken over and the first half of the Retention Money has been certified for payment, payment of the second half of the Retention Money may be made against a Retention Money guarantee.

At the request of the Contractor, we ----------*[name of agency]* hereby irrevocably, undertake to pay you any sum or sums not exceeding in total an amount of ----------

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----------*[amount in figures] (----------) [amount in words]*
upon receipt by us of your first demand in writing accompanied by a written statement stating that the Contractor is in breach of its obligation under the Contract because the Contractor has not attended to the defects in accordance with the Contract.

This guarantee shall expire, at the latest, ---------- *[insert 28 Days after the end of the Defects Liability Period]*, Consequently, and demand for payment under this guarantee must be received by us at this office on or before that date.

[signature(s)]

SECTION - 3

CONDITIONS OF CONTRACT

Conditions of Contract shall be read in conjunction with the Section 5 - Contract Data in Volume 2, which shall take precedence over the Conditions of Contract

Note :

All Bidders shall refer STANDARD BIDDING DOCUMENT FOR PROCUREMENT OF WORKS CIDA/SBD/03(second edition-January 2007) Section 3, Conditions of Contract.

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SECTION - 4

FORM OF BID AND QUALIFICATION INFORMATION

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FORM OF BID

Name of Contract: Contract for Periodic Services of Solar Powered Grid-Tied Systems at SLLDC Walkway areas & Maintenance offices S/498/26.

Gentlemen:

1. Having examined the Standard Bidding Document – Procurement of Works – Minor Contacts (ICTAD/SBD/O3 – Second Edition, January 2007) Specifications, Drawings and Bills of Quantities and Addenda for the execution of the above named work, we the undersigned the offer to execute and complete such works and remedy any defect therein in conformity with the aforesaid conditions of Contract, Specifications, Drawings, Bill of Quantities and addenda for the sum of Sri Lankan Rupees. ……..…… …(SLR……. Excluding Taxes) or such other sums as may be ascertained in accordance with the said Conditions.

2. I/We acknowledge that the Contract Data forms part of our Bid.

3. I/We undertake, if our Bid is accepted, to commence the Works as soon as is reasonably possible after the receipt of the Engineer's notice to commence, and to

complete the whole of the works comprised in the Contract within the time stated in the Contract Data.

4. I/We agree to abide by this Bid until the date specified in ITB Clause 16 .....[insert date], and it shall remain binding upon us and may be accepted at any time before that date.

5. Unless and until a formal Agreement is prepared and executed this Bid, together with your written acceptance thereof, shall constitute a binding Contract between us.

6. I/We understand that you are not bound to accept the lowest or any bid you may receive.

7. I/We certify/confirm that we comply with the eligibility requirements as per ITB Clause 3 of the Bidding Documents.
   Dated this …… day of ……20……. Signature ……..……..in the capacity of …… duly authorized to sign bids for and on behalf of …….. (*in block capitals or typed*)

Signature: …….

Address: ……..

Witness: ……

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SECTION - 5

BIDDING DATA & CONTRACT DATA

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BIDDING DATA

1. The Employer

   Name : Sri Lanka Land Development Corporation

   Address : No.03, Sri Jayawardenepura Mawatha, Welikada, Rajagiriya

2. Scope of Work : Periodic Services of Solar Powered Grid-Tied Systems at SLLDC Walkway areas & Maintenance offices

3. Time for Completion : Intended Completion Date is 01 Year from the commencement date.

4. Commencement Date : Will be mentioned in the letter of Acceptance.

5. The following information shall be provided:

   (a) Detail of Company Registration

   (b) VAT Registration number

   (c) Experience in works of similar nature and size of each of last three years as Documents proof.

6. The Bid shall be submitted to:

Chairman,
Department of Procurement Committee
C\O Deputy General Manager (Supplies)
Sri Lanka Land Development Corporation,
No.03, SriJayawardenepura Mw,
Welikada, Rajagiriya.

8. The deadline for submission of Bids shall be on or before **03rd November, 2026 at 13.30 Hrs.**The Bids will be opened immediately thereafter at the above address (6)

9. The amount of Performance Security is 5% of the Initial Contract Price. Performance Security shall be from a licensed Commercial Bank operating in Sri Lanka and approved by the Central Bank of Sri Lanka and shall be valid until 28 days beyond the expiry date of the Intended Completion date.

10. Bid Price : VAT component shall not be included in the rates.
VAT component shall be shown separately at the end of the BOQ.
The contract is not subjected to Price adjustment.

11. Award of Contract : SLLDC reserves the right to accept or reject any quotation.

12. SLLDC reserves the right to increase or decrease the BOQ quantity by 10% without any change to the unit price.

13. Bidders are instructed to clarify any matter regarding the above contract by contacting Deputy General Manager (D&R), Sri Lanka Land Development Corporation, Tel: 011-2886965, Fax:011-2862058.

14. Work to be proceeding after inspection and approval by the Engineer.

15. Pre Bid Meeting shall be held as follows.
Date : **23rd October 2026**
Time : 11:00 am
Venue : SLLDC Head Office – Rajagiriya.

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CONTRACT DATA

(Please note that the Clause nos. given hereunder are that of Conditions of Contract)

Conditions of Contract Clause Number/s

(1.1.8) The Employer is
Name : **General Manager, Sri Lanka Land Development Corporation**.
Address : **No. 3, Sri Jayawardenepura Mawatha, Welikada, Rajagiriya**.

Name of Authorized Representative : **General Manager**

(1.1.9) The Engineer is
Name :**Deputy General Manager (D&R)**

Address :**SLLDC, No. 3, Sri Jayawardenepura Mawatha, Welikada, Rajagiriya**

(1.1.21) The Works consists of **Periodic Services of Solar Powered Grid-Tied Systems at SLLDC Walkway areas & Maintenance offices.**

(13.1.1) Minimum Insurance Cover per occurrence is Rs. **1,000,000.00**
Number of occurrence shall be unlimited.

The Minimum Insurance cover for Works

a.) 110% of the Initial Contract Price, for loss and damage to the Works, Materials and Plant;

b.) For loss or damage to Equipment: Shall be 115% of the Accepted Contract Price. The Maximum deducted deductible for Contractor's equipment shall not exceed LKR 25,000.00 or 5% of the claim, whichever is higher.

c.) For loss or damage to property (except the works, Plant, materials and Equipment) in connection with contract: Any loss or damage to third party property (except works, Plant, materials and Equipment) shall be:
- Total aggregate 10% of the Accepted Contract sum.
- Deducted not exceeding LRK 25,000.00 or 1% of the claim whichever is higher.
- Any loss or damage to third party shall be: maximum of LKR 5Mn (for 5 person)

d.) For person injury or death:
(a) of the contractor's employees: Any loss or damage to Contractor's Employees shall be a maximum of 01 Mn. per person.
(b) of other people: A separate Personal accident insurance cover shall be obtained covering any loss or damage to Employer's and Engineer's staff.
- Maximum of LKR 1 Mn. Per person.

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Special Conditions of Contract

1. Rectification for solar system component damages

- **Condition:** The Service Provider shall be fully liable for any damages caused during the service period to the solar panels, inverters, AC/DC cables, AC/DC circuit breakers, or any other associated components of the solar PV system.
- **Rectification:** Any such damaged parts must be fully replaced by service provider on a one-to-one basis with brand-new components of equal or higher specifications (Which accepted by the SLLDC) within 07 days of occurrence at any cost. It is also required to provide standard warranty for such replacement of any component.

2. Third-Party Liabilities

- **Condition:** SLLDC shall bear absolutely no liability for any injuries, losses, or property damages caused to third parties or third-party premises during the execution of the services.

3. Penalty for Delay in work schedule

- **Condition & Extensions:** If the Service Provider fails to meet the SLLDC work schedule, a penalty applies. For valid/unforeseen reasons, they must request a written extension, which SLLDC may grant upon official approval. Failure to complete within this extension or if no valid reason is provided, penalties will apply **after 7 days** from the extended deadline or the original scheduled date respectively.

- **Rate:** A penalty of LKR 1,000.00 per day shall be charged for each day of delay beyond the scheduled completion dates (or beyond the approved extension date). This amount will be deducted directly from the Service Provider's pending invoices or retention money, up to a maximum limit of 10% of the total service value.

Note: The Service Provider shall formally accept the Annual Work Program provided by SLLDC.

4. Submission of Method Statement (Service Methodology)

- **Mandatory Submission:** It is compulsory for the bidding contractor to submit a comprehensive Method Statement detailing the exact execution plan for the cleaning and maintenance services along with their bid proposal.
- **Compulsory Equipment Requirement:** The Contractor must strictly utilize specialized Electric Washing Brushes designed specifically for solar PV modules. The use of traditional hand mops, manual brushes, or any other unauthorized cleaning tools is strictly prohibited.
- **Required Details:** The submitted Method Statement must explicitly define:
  - The specific model and technical details of the Electric Washing Brushes (single or double configuration) to be deployed.
  - The water pressure levels and motorized brushing techniques to prevent damage or micro-scratches on PV modules.
  - The chemical-free cleaning procedures to be adopted (no harsh chemicals or detergents allowed without SLLDC approval).
  - Scheduled cleaning hours, ensuring operations are carried out during low-temperature periods (early morning or late evening) to avoid thermal shock to the panels.
- **SLLDC Approval:** The submitted Method Statement will be subject to evaluation, and the selected contractor must strictly adhere to the approved methodology and equipment specifications throughout the contract period.

5. Resources Conservation

- The Contractor is allowed to utilize the Electricity and water resources of SLLDC for cleaning solar PV modules using electric panel brushes (Single or Double), provided that such resources are used efficiently and without wastage.
- Clean water can be obtained from SLLDC maintenance offices or from a designated location within the SLLDC premises. However, the contractor shall provide the containers required to transport water for washing activities.

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6. **Work Completion Reporting and Documentation**

- **Progress Report:** Upon completion of each cleaning or maintenance cycle, the Service Provider shall submit a detailed Work Completion Report to SLLDC.
- **Photographic Evidence:** The report must include clear photographic evidence consisting of "Before" and "After" photos of the solar panels and associated components to verify the quality of the cleaning and maintenance work.
- **Invoicing Requirement:** The submission and official approval of this Work Completion Report, along with the photographic evidence, shall be a mandatory prerequisite for processing the Service Provider's monthly or periodic invoices.

6. **Health, Safety, and Personal Protective Equipment (PPE)**

- **Safety Gear:** The Contractor must provide workers with safety helmets, boots, vests, and goggles.
- **Height Safety:** Workers must use certified full-body safety harnesses and lifelines when working on roofs.
- **Accidents:** SLLDC holds no legal or financial liability for any accidents or injuries to the Contractor's staff.

Labour Discipline & Behavior

1. Workers shall be worked as per the rules and regulations of the corporation.
2. List of workers assigned for this work (Including their permanent address, copies of National Identity cards) to be submitted to the Project Engineer.
3. The project Engineer reserves right to dismiss any kind of manpower who is not suit the site in any ways.
4. Contractor should not allocate employees who may be a threat to the National Security. If any kind of situation arise, contractor is fully responsible for the same.

Payments

1. Method of payment shall be Measure and Pay basis and payment shall be made at the end of the each service.
2. Bills with two copies shall be forwarded to Project Engineer.
3. Project Engineer reserves right to fully or Partial payment of the bill with considering the work done & specifications.
4. All the payment will be made with cross cheques by the Snr.Accountant (Payment) of the Finance Division, 3rd Floor at SLLDC Head Office.

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Section – 6

SPECIFICATIONS

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SCOPE OF WORK & TECHNICAL SPECIFICATIONS

1. Scope & General Objective

This contract covers bi-annual inspection, routine cleaning, testing and preventive servicing of On-Grid Solar PV systems across SLLDC Walkways and Maintenance Offices. The objective is to maximize performance, ensure safety, and preserve grid compliance. All work requires prior inspection and approval by the SLLDC Engineer.

Note :- It is compulsory for the bidding contractor to submit a comprehensive Method Statement detailing the exact execution plan for the cleaning and maintenance services along with their bid proposal.

2. Panel Cleaning & Logistics

- **Mandatory Equipment:** Contractors must strictly use specialized Electric Washing Brushes (single/double). Traditional hand mops or manual brushes are completely prohibited.
- **Operational Timing:** Cleaning must happen during early morning or late evening low-temperature windows to completely avoid panel thermal shock.
- **Cleaning Agent:** Purely chemical-free, scaling-free water. No harsh chemicals or detergents are permitted without prior SLLDC approval.
- **Electricity and water resources :** The Contractor is allowed to utilize the Electricity and water resources of SLLDC for cleaning solar PV modules using electric panel brushes (Single or Double), provided that such resources are used efficiently and without wastage.
- **Water Logistics:** Clean water can be obtained from SLLDC maintenance offices or from a designated location within the SLLDC premises. However, the contractor shall provide the containers required to transport water for washing activities.

3. Electrical, Inverter & Earthing Integrity

- Clean inverter housings, check cooling fans, and evaluate system internal fault history logs.
- Test net-metering synchronization parameters, anti-islanding safety functions, and voltage limits.
- Measure and record string-level open circuit voltage (Voc) and operating current (Isc) via a digital multimeter.
- Log ground rod earth resistance values and verify full continuity bonding across all module frames.
- Inspect DC and AC Surge Protection Devices (SPDs).

4. Damage Rectification, Liabilities & Penalties

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- **Component Damage:** The contractor is 100% liable for any service-period damage to panels, inverters, cables, or breakers. Damaged components must be replaced one-to-one with brand-new parts of equal/higher specifications within 7 days at the contractor's cost (with standard warranty).
- **Delay Penalties:** Failure to meet the schedule or approved written extensions triggers a penalty of LKR 1,000.00 per day after 7 days from the deadline, capped at 10% of total service value.
- **Third-Party Indemnity:** SLLDC bears zero liability for third-party injuries or property damage caused during service execution.

1. Health, Safety & Workforce Discipline

- Safety Measures: Contractor must provide helmets, boots, vests, and goggles. Certified full-body safety harnesses and lifelines are mandatory for roof work. SLLDC holds no legal or financial liability for staff injuries or accidents.
- Workforce Rules: Contractor must submit a list of all assigned workers (including permanent addresses and NIC copies) to the Project Engineer. SLLDC reserves the right to dismiss unsuitable staff. Threatening personnel to national security are strictly barred.

2. Reporting, Documentation & Payments

- Reporting format: Submit a comprehensive Work Completion Report after each cycle including clear 'Before' and 'After' photos, logged multimeter baseline parameters, and current net meter readings (kWh) signed by both parties.
- Payment Terms: Processed on a 'Measure and Pay' basis at service completion. Official approval of the Completion Report and photos is a mandatory prerequisite for invoice processing.

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3. System Capacity & Location Matrix (BOQ Overview)

The following document clearly categorizes the 30 operational zones distributed across the six SLLDC maintenance offices including details on total capacity and the inverter technologies employed (String and Micro) to facilitate the preparation of implementation plans and accurate tender data entry.

BOQ Item	Location / Site Area	System Capacity (kW)	Inverter Technology Type
1-3	Diyatha Uyana, Battaramulla (Locations A, B, C)	2.5, 4.0, 2.5	2kW String Inverters
4-6	Kimbulawela Area (Office, Rampalawatha, Thalawathugoda)	5.5, 0.5, 1.0	5kW String / 500W Micro
7-9	Japan Friendship Road (Car Park, SLLDC Site, Boat Yard)	3.5, 3.5, 3.5	4kW String Inverters
10-13	Kimbulawela Walkway Areas 01 - 04	3.0, 2.0, 2.0, 3.0	500W Micro Inverters
14-16	Rakna Lanka, Hospital Rd Open Gym & Vender Shops	7.5, 1.0, 1.0	500W Micro Inverters
17-19	Chandrika Kumaranatunga Mawatha (Malabe Walkways)	3.0, 3.0, 3.0	500W Micro Inverters
20-21	Athurugiriya Walkway Car Park I & II	10.0, 15.0	10kW / 15kW String Inverters
22-25	Bellanwila (Pillewa, Rattanapitiya, Ali wala, Foot Court)	5.0, 5.0, 4.0, 7.0	500W Micro Inverters
26-27	Keli Madala Park & Bellanwila Office	40.0, 5.9	20kW / 5kW String Inverters
28-30	Pagoda Wetland Park (Location A, B, Navy Boat Yard Park)	2.5, 2.5, 0.5	500W Micro Inverters

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Solar System Maintenance Checklist Format

- Select the plant: Choose the specific solar plant or location being cleaned.
- Date and time of cleaning: Record the exact start and finish times of the cleaning process.

Site Name			
Capacity (kWp)			
Maintenance cycle	**Previous date**	**Current date**	**Next due date**
• Electrical inspection			
• Cleaning of panels			
• Performance review			

- Operator information: Specify the person or team responsible for the cleaning procedure.
- Sections cleaned: Specify the section or area of the solar plant that was cleaned.
- Picture before cleaning: Attach a photo to document the panels' condition before cleaning.
- Picture after cleaning: Attach a photo to show the results after cleaning
- Indicate if any problems (e.g., damages or obstructions) were found and document them if necessary.
- Cleaning result: Mark whether the cleaning was satisfactory or not.
- Any remark or recommendation: Provide additional comments, recommendations, or notes for future cleanings or follow-up actions.
- Operator Signature: The cleaner signs off to confirm the cleaning was completed as documented.

- **Performance Metrics & Data Logging**
  - Use a digital multimeter and the system meter display to capture baseline parameters.

Table for String Inverters

	Parameter Measured		**String 1**	**String 2**	**String 3**	**Expected Value**
DC	**Open Circuit Voltage (Voc)**	V DC				

Read Only

Side	**Output Voltage (Vmax)**	V DC				
	Output Current (Imax)	I DC				
AC Side	**Grid Voltage** **(L-L), (L-N), (L-E), (N-E)**	V AC	L1	L2	L3	
	Output Current (Imax)	I AC				

Table for Micro Inverters

Micro Inverter Number	**DC Side**		**AC Side**	
	Output Current PV1 (Imax)	**Output Current PV2 (Imax)**	**Output Current (Imax)**	**Grid Voltage** **(L-L), (L-N), (L-E), (N-E)**
Micro Inverter 1				
Micro Inverter 2				
Micro Inverter 3				
Micro Inverter 4				
Micro Inverter 5				

- Current Net Meter Reading : _____ kWh
- Previous Net Meter Reading : _____ kWh
- Review performance data against previous visited date to check performance.
- Total Energy : _____ kWh

- **Corrective Actions, Observations**
  - Issues Observed:
    _____
  - Actions Taken / Rectifications:
    _____

- **Recommended Future Work:**
  _____

- **Final System Status Declaration**

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- The solar PV power plant is working satisfactorily and left in a safe operational state or not.

- Service Technic Signature : _____ Date: _____

- SLLDC Signature : _____ Date: _____

Read Only

Section – 7

BILL OF QUANTITIES

SRI LANKA LAND DEVELOPMENT CORPORATION

Bill of Quantities (BOQ)

Contract for Periodic Services of Solar Powered Grid-Tied Systems at SLLDC Walkways & Maintenance offices S/_____/26

SLLDC Site Area	*Item No.*	*Item Description*			Unit Rate per service (LKR)	No. of services per year	Total Amount (LKR)
		Location	Details of solar system	Solar System Capacity (kW)	(a)	(b)	(a x b)
Diyatha Uyana, Battaramulla	1	Diyatha Uyana Location A (Near NDB Bank)	10 No. of 250Wp Solar panels with 2kW String Inverter	2.5		2	
	2	Diyatha Uyana Location B (Board walk Resturant)	16 No. of 250Wp Solar panels with 02 No. of 2kW String Inverters	4		2	
	3	Diyatha Uyana Location C (Sea Plane Jetty)	10 No. of 250Wp Solar panels with 2kW String Inverter	2.5		2	
Kimbulawela Area	4	Kimbulawela Office	10 No. of 550Wp Solar panels with 5kW String Inverter	5.5		2	
	5	Rampalawatta Lake Area	02 No. of 250Wp Solar panels with 01 No. of 500W Micro Inverter	0.5		2	
	6	Thalawathugoda Lake Area	04 No. of 250Wp Solar panels with 02 No. of 500W Micro Inverters	1		2	
	7	Japan Fiendship Road-01 (Car park)	14 No. of 250Wp Solar panels with 4kW String Inverter	3.5		2	
	8	Japan Fiendship Road-02 (Near the SLLDC Site office)	14 No. of 250Wp Solar panels with 4kW String Inverter	3.5		2	
	9	Japan Fiendship Road-03 (Boat Yard)	14 No. of 250Wp Solar panels with 4kW String Inverter	3.5		2	
	10	Kimbulawala Walk Area 01 (Silumina Temple)	12 No. of 250Wp Solar panels with 06 No. of 500W Micro Inverters	3		2	
	11	Kimbulawala Walk Area 02 (Cause way)	08 No. of 250Wp Solar panels with 04 No. of 500W Micro Inverters	2		2	
	12	Kimbulawala Walk Area 03 (Near tha Bodhiraja Mawatha)	08 No. of 250Wp Solar panels with 04 No. of 500W Micro Inverters	2		2	
	13	Kimbulawala Walk Area 04 (Near thae Street Food Area)	12 No. of 250Wp Solar panels with 06 No. of 500W Micro Inverters	3		2	
	14	Rakna Lanka Restaurant Area	30 No. of 250Wp Solar panels with 15 No. of 500W Micro Inverters	7.5		2	
	15	Hospital Road- Near the Open Gym	04 No. of 250Wp Solar panels with 02 No. of 500W Micro Inverters	1		2	
	16	Hospital Road -Vender Shops	04 No. of 250Wp Solar panels with 02 No. of 500W Micro Inverters	1		2	
Chandrika Kumaranathunga Mawatha	17	Malabe Walkway (22 Lamp Post)	12 No. of 250Wp Solar panels with 06 No. of 500W Micro Inverters	3		2	
	18	Malabe Walkway (60 Lamp Post)	12 No. of 250Wp Solar panels with 06 No. of 500W Micro Inverters	3		2	
	19	Malabe Walkway (120 Lamp Post)	12 No. of 250Wp Solar panels with 06 No. of 500W Micro Inverters	3		2	
Athurugiriya Walkway	20	Athurugiriya Car Park I	20 No. of 500Wp Solar panels with 10kW String Inverter	10		2	
	21	Athurugiriya Car Park II	30 No. of 500Wp Solar panels with 15kW String Inverter	15		2	
	22	Bellanwila Pillewa (Car Park Area)	20 No. of 250Wp Solar panels with 10 No. of 500W Micro Inverters	5		2	
	23	Rattanapitiya (Car Park Area)	20 No. of 250Wp Solar panels with 10 No. of 500W Micro Inverters	5		2	
Bellanwila	24	Bellanwila Ali wala (Sri	16 No. of 250Wp Solar panels with 08	4		2	

SUMMARY

TOTAL = ……

ADD: 18% VAT = ……

GRAND TOTAL = ……

Total amount in words: Rupees

……

……

Signature of contractor Seal

…… ……

Witness:

Name …… **1.** Signature:

NIC No…… Name:

Tel. No…… NIC No:

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Address…… Address:

2. Signature:

Name:

NIC No:

Address:

Section – 9

STANDARD FORMS [BID]

Notes on Standard Forms:

- Bidders shall submit the completed Form of Bid Security as appropriate in compliance with the requirements of the bidding documents.
- Bidders should not complete the Form of Agreement at the time of preparation of bids.
- The successful bidder will be required to sign the Form of Agreement, after the award of contract.
- Any corrections or modifications to the accepted bid resulting from arithmetic corrections, acceptable deviations, or quantity variations in accordance with the requirements of the bidding documents should be incorporated into the Agreement.
- The Form of Performance Security, Form of Advance Payment Security and Form of Retention Money Guarantee should not be completed by the bidders at the time of submission of bids.

FORM OF BID SECURITY

[This Guarantee form shall be filled in accordance with the instructions indicated in brackets]

.....[insert issuing agency's name, and address of issuing branch or office]

Beneficiary: General Manager, Sri Lanka Land Development Corporation
No. 03, Sri Jayawardenapura Mawatha, Welikada, Rajagiriya

Date: .....*[insert (by issuing agency) date]*

BID GUARANTEE NO.: .....*[insert by issuing agency) number]*We have been informed that .....*[insert (by Issuing Agency) name of the Bidder]* (hereinafter called "the Bidder") has submitted to you its bid dated .....*[insert (by issuing agency) date]* hereinafter called "the Bid") for the execution of [insert name of Contract] under Invitation for Bids No. .....*[insert IFB number]*("the IFB").

Furthermore, we understand that, according to your conditions, Bids must be supported by a Bid Guarantee.

At the request of the Bidder, we .....*[insert name of issuing agency]* hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of .....*[insert amount in figures]* .....*[insert amount in word]* upon receipt by us of your first demand in writing accompanied by a Written statement

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stating that the Bidder is in breach of its obligation(s) under the bid conditions because the Bidder:

a) Has withdrawn its Bid during the period of bid validity specified; or
b) Does not accept the correction of errors in accordance with the Instructions to Ridden (hereinafter "the ITB") of the Ira; or
c) Having been notified of the acceptance of its Bid by the Employer/Purchaser during the period of bid validity, (i) tills or refuses to execute the Contract Form, if required, or (ii) fails or refuses to furnish the Performance Security, in accordance with the ITS.

This Guarantee shall expire: (a) lithe Bidder is the successful bidder, upon our receipt of copies of the Contract signed by the Bidder and of the Performance Security issued to you by the Bidder; or (b) if the Bidder is not the successful bidder, upon the earlier of (i) the successful bidder furnishing the performance security, otherwise it will remain in force up to .....(insert date)

Consequently, any demand for payment under this Guarantee must be received by us at the office on or before that date.

_____

Signature of authorized representatives (s)

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