



BIDDING DOCUMENT

Procurement of Goods

Under

Shopping Procedures

Invitation of Quotations

For

**OBTAINING THE SERVICES OF AN ACCREDITED
LABORATORY FOR ANALYSIS OF CARBON SEQUESTRATION
CAPACITY OF COLOMBO URBAN WETLANDS**

Contract No: S/332/26

Closing Date : 21st August 2026 at 13.30 Hours

Sri Lanka Land Development Corporation
No 03, Sri Jayawardenapura Mawatha
Welikada, Rajagiriya

NPA/SBD/GOODS/01

Section I. Instructions to Vendors (ITV)

A: General	
1. Scope of Bid	1.1 The Purchaser named in the Data Sheet invites you to submit a quotation for the supply of Goods as specified in Section III Schedule of Requirements. Upon receipt of this invitation you are requested to acknowledge the receipt of this invitation and your intention to submit a quotation. The Purchaser may not consider you for inviting quotations in the future, if you failed to acknowledge the receipt of this invitation or not submitting a quotation after expressing the intention as above.
B: Contents of Documents	
2. Contents of Documents	2.1 The documents consist of the Sections indicated below. • Section I. Instructions to Vendors (ITV) • Section II. Data Sheet • Section III. Schedule of Requirements • Section IV. Technical Specifications & Compliance with Specifications • Section V. Quotation submission Form(s)
C: Preparation of Quotation	
3. Documents Comprising your Quotation	3.1 The Quotation shall comprise the following: (a) Quotation Submission Form and the Price Schedules; (b) Technical Specifications & Compliance with Specifications
4. Quotation Submission Form and Price Schedules	4.1 The vendor shall submit the Quotation Submission Form using the form furnished in Section V. This form must be completed without any alterations to its format, and no substitutes shall be accepted. All blank spaces shall be filled in with the information requested. 4.2 Alternative offers shall not be considered. The vendors are advised not to quote different options for the same item but furnish the most competitive among the options available to the bidder.
5. Prices and Discounts	5.1 Unless specifically stated in Data Sheet, all items must be priced separately in the Price Schedules. 5.2 The price to be quoted in the Quotation Submission Form shall be the total price of the Quotation, including any discounts offered.

	5.3 The applicable VAT shall be indicated separately. 5.4 Prices quoted by the vendor shall be fixed during the vendor's performance of the Contract and not subject to variation on any account. A Quotation submitted with an adjustable price shall be treated as non responsive and may be rejected.
6. Currency	6.1 The vendors shall quote only in Sri Lanka Rupees.
7. Documents to Establish the Conformity of the Goods	7.1 The vendor shall furnish as part of its quotation the documentary evidence that the Goods conform to the technical specifications and standards specified in Section IV, "Technical Specifications & Compliance with Specifications". 7.2 The documentary evidence may be in the form of literature, drawings or data, and shall consist of a detailed item by item description of the essential technical and performance characteristics of the Goods, demonstrating substantial responsiveness of the Goods to the technical specifications, and if applicable, a statement of deviations and exceptions to the provisions of the Technical Specifications given. 7.3 If stated in the Data Sheet the vendor shall submit a certificate from the manufacturer to demonstrate that it has been duly authorized by the manufacturer or producer of the Goods to supply these Goods in Sri Lanka.
8. Period of Validity of quotation	8.1 Quotations shall remain valid for the period of sixty (60) days after the quotation submission deadline date.
9. Format and Signing of Quotation	9.1 The quotation shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the vendor.
D: Submission and Opening of Quotation	
10. Submission of Quotation	10.1 Vendors may submit their quotations by mail or by hand in sealed envelopes addressed to the Purchaser bear the specific identification of the contract number. 10.2 If the quotation is not sealed and marked as required, the Purchaser will assume no responsibility for the misplacement or premature opening of the quotation.
11. Deadline for Submission of Quotation	11.1 Quotation must be received by the Purchaser at the address set out in Section II, "Data Sheet", and no later than the date and time as specified in the Data Sheet.
12. Late Quotation	12.1 The Purchaser shall reject any quotation that arrives after the deadline for submission of quotations, in accordance with ITV Clause 11.1 above.

13. Opening of Quotations	13.1 The Purchaser shall conduct the opening of quotation in public at the address, date and time specified in the Data Sheet. 13.2 A representative of the bidders may be present and mark its attendance.
E: Evaluation and Comparison of Quotation	
14. Clarifications	14.1 To assist in the examination, evaluation and comparison of the quotations, the Purchaser may, at its discretion, ask any vendor for a clarification of its quotation. Any clarification submitted by a vendor in respect to its quotation which is not in response to a request by the Purchaser shall not be considered. 14.2 The Purchaser's request for clarification and the response shall be in writing.
15. Responsiveness of Quotations	15.1 The Purchaser will determine the responsiveness of the quotation to the documents based on the contents of the quotation received. 15.2 If a quotation is evaluated as not substantially responsive to the documents issued, it may be rejected by the Purchaser.
16. Evaluation of quotation	16.1 The Purchaser shall evaluate each quotation that has been determined, to be substantially responsive. 16.2 To evaluate a quotation, the Purchaser may consider the following: (a) the Price as quoted; (b) price adjustment for correction of arithmetical errors; (a) price adjustment due to discounts offered. 16.3 The Purchaser's evaluation of a quotation may require the consideration of other factors, in addition to the Price quoted if stated in Section II, Data Sheet. These factors may be related to the characteristics, performance, and terms and conditions of purchase of the Goods. .
17. Purchaser's Right to Accept any Quotation, and to Reject any or all Quotations	17.1 The Purchaser reserves the right to accept or reject any quotation, and to annul the process and reject all quotations at any time prior to acceptance, without thereby incurring any liability to bidders.

F: Award of Contract	
18. Acceptance of the Quotation	18.1 The Purchaser will accept the quotation of the vendor whose offer has been determined to be the lowest evaluated bid and is substantially responsive to the documents issued.
19. Notification of acceptance	19.1 Prior to the expiration of the period of validity of quotation, the Purchaser will notify the successful vendor, in writing, that its quotation has been accepted.

Section II: Data Sheet

ITV Clause Reference	
1.1	The Purchaser is Sri Lanka Land Development Corporation Address: No 03, Sri Jayawardenapura Mawatha, Welikada, Rajagiriya,
2.2	A complete set of Bidding Documents in English language could be inspected and obtained upon submission of a written request to the Deputy General Manager (Supplies), on working days from 06th August 2026 to 20th August 2026 during 9.00 Hrs. to 15.30 Hrs
5.1	If the bidder is allowed to quote for less than the all the items specified, indicate the details.
11.1	Address for submission of Quotations is Chairman - Procurement Committee, Sri Lanka Land Development Corporation, No. 3, Sri Jayawardenapura Mawatha, Welikada, Rajagiriya Deadline for submission of quotations is Date: 21st August 2026 Time: 13.30 Hours
13	The quotations shall be opened at the following address: Sri Lanka Land Development Corporation No. 3, Sri Jayawardenapura Mawatha, Welikada, Rajagiriya Date: 21st August 2026 Time: 13.30 hours - immediately after closing of bids
16 ¹	Other factors that will be considered for evaluation are (List and describe the methodology): Price, stocks past performance, quality of goods offered. Will be the criteria for selection 1. Experience of firm in past 03 years which are similar in nature to the requirement of services 2. Educational qualification & relevant experience of Laboratory incharge 3. Certification of lab accreditation
19.2	Performance Security in provided format is required. If shall be issued by a Commercial Bank operating in Sri Lanka & approved by the Central bank of Sri Lanka in 10% of the contract value and should be valid 28 days beyond the warranty period.
21	Bid Security Declaration – At the Time of submission of the Quotation. The Vendor shall submit filled Bid Security Declaration in the provided format

Section III: Schedule of Requirements

Line Item N°	Description of Goods	Quantity		Unit	Final Destination	Transportation and any other services	Delivery Date	
							Latest Delivery Date	Bidder's offered Delivery date [to be provided by the bidder]
01	Sample Collection Plan	No of Sample			Head Office Wetland		07 days from the date of issuing	
		Wet	Dry					
	Kolonnawa Marsh	03`	03					
	Madinnagoda Marsh	03	03					
	Heen Ela Marsh	03	03					
	Kotte Marsh	03	03					
	Diyasaru Park	03	03					
	Total	30						

Section IV: Technical Specification & Compliance

Item # and Name	Component Description (Parameters)	Minimum Specifications (Method)	Bidder's Response (Yes/No)	If "No" comment/s on the offer
	Organic Carbon content in soil	Walkley and Black method (Walkley and Black, 1934) This process measures the quantity of organic material (OM) in which OM is oxidized in the presence of Sulphuric acid with a known amount of chromate. Excess dichromate ion is then back titrated with ferrous ion. a. Dichromate ion reacts with carbon as follows: $2Cr_2O_7^{2-} + 3C^0 + 16H^+ \rightarrow 4Cr^{3+} + 3CO_2 + 8H_2O$ b. Ferrous ion reacts with dichromate as follows: $6Fe^{2+} + Cr_2O_7^{2-} + 14H^+ \rightarrow 2Cr^{3+} + 6Fe^{3+} + 7H_2O$ Mebius method (Mebius, 1960) The same procedure as in the case of the Walkley and Black, but the digestion mixture of potassium dichromate with sulfuric acid should submitted to external heating on an electric plate at 100 °C for 30 min under reflux. Then phosphoric acid and diphenylamine should be added similarly to the Walkley and Black method and the excess dichromate should be titrated with ammonium ferrous sulfate.		
	Total Carbon content in soil	Four grams (4 g) of soil that passed through a sieve of 2 mm mesh should be further dried at 105 °C. The samples should be subjected to calcination for 5h at 300 °C (Miyazawa et al., 2000).		

	Methane emission rate	Samples should be collected using non- Steady gas sampling chambers. Sampling should be done morning and evening and then should be averaged to find the daily methane emission. Collected gas samples should be stored in 4 °C in laboratory and should be tested before 28 days for methane concentrations by Flame ionization detection on a gas chromatograph		
	Total Soil Nitrogen	By Kjeldahl Method		

The contract consist of : Obtaining the services of an accredited laboratory for analysis of carbon sequestration capacity of Colombo Urban Wetlands

The site is located at : Kolonnawa Marsh, Heen-ela Marsh, Madinnagoda Marsh, Diyasaru Park, Kotte Marsh

The start date shall be : After issuing the letter of acceptance and purchasing order (PO), when weather suits for the experiment with 1 week prior notice

The intended completion date for the whole work of contract : The sample collection should be carried out in two different seasons of the year as wet period and dry period. The selected bidder will be informed one week prior to the sample collection.

General Conditions

1. The testing protocol should be either SLS, APHA/EPA Standard Methods. The testing protocol should be mentioned clearly.
2. Proposal for the proposed work including the following details shall be submitted by the bidder.
 - I. Expertise of Firm/Organization – provide detail regarding organizational capability/resources, experience of organization/firm, and the list of the projects/contracts in past three years (3 completed projects and three ongoing projects) which are similar in nature to the requirements of the services.
 - II. Educational qualification and relevant experience of the in charge of the laboratory should be submitted.
 - III. Certification of lab accreditation.
 - IV. Details of the level of accuracy on each specific test are given in bidding document.
 - V. Sample condition, quantity of sample required for testing and any other information with regard to collection and submission of samples.
 - VI. Format of the Test Report
3. When special sampling techniques are involved, please mention the method and cost separately for sample collection and preparation.
4. Test report in both soft copy and hard copy formats shall be submitted to the SLLDC with 7 days after submitting samples for testing.
5. Payments will be paid after receiving the reports as separately for dry season tests and wet season tests within 30 days upon successful completion of the project and submission of duly filled invoice certified by the officer in Wetland Management Division SLLDC.

Section V

Quotation Submission Form

[The Vendor shall fill in this Form in accordance with the instructions indicated No alterations to its format shall be permitted and no substitutions will accepted.]

Date:

To: *[insert complete name of Purchaser]*

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the document issued;
- (b) We offer to supply in conformity with the documents issued and in accordance with the Delivery Schedules specified in the Schedule of Requirements the following Goods *[insert a brief description of the Goods]*;
- (c) The total price of our quotation including any discounts offered is: *[insert the total quoted price in words and figure]*;
- (d) Our quotation shall be valid for the period of time specified in ITV Sub-Clause 8.1, from the date fixed for the quotation submission deadline in accordance with ITV Sub-Clause 11.1, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (e) We understand that this quotation, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us.
- (f) We understand that you are not bound to accept the lowest evaluated quotation or any other quotation that you may receive.

Signed: *[insert signature of person whose name and capacity are shown]*

Name: *[insert complete name of person signing the Bid Submission Form]*

Dated:

Price Schedule

1	2	3	4	5	6	7	8	9	10	11	12
Line Item N°	Description of Goods	Method of Testing	Number of Samples at Once	Frequency Wet & Dry	Total No. of Samples required	Unit Cost	Sampling Cost (8=6 x 7)	Sample Preparation Cost	Transportation Cost	Total Price for Item [(11) = (8) + (9)+(10)]	VAT
01	Organic Carbon content in soil	Walkey and Black method or Mebius method	15	02	30						
02	Total soil Carbon content	Gravimetric method or loss-on-ignition	15	02	30						
03	Total Soil Nitrogen content	Please specify the available method/methods	15	02	30						
04	Methane (CH ₄) emission rate of wetland's soil	Please specify the available method/methods	15	02	30						
05	Carbon dioxide (CO ₂) emission rate of wetland's soil	Please specify the available method/methods	15	02	30						
06	Noxious (NO _x) gas emission rate of wetland's soil	Please specify the available method/methods	15	02	30						
Total											

Name of Bidder *[insert complete name of Bidder]* Signature of Bidder *[signature of person signing the Bid]* Date *[insert date]*

Performance Security

[The bank, as requested by the successful Bidder, shall fill in this form in accordance with the instructions indicated]

Date: [insert date (as day, month, and year) of Bid Submission]

Procurement No.: S/332/26

OBTAINING THE SERVICES OF AN ACCREDITED LABORATORY FOR ANALYSIS OF CARBON SEQUESTRATION CAPACITY OF COLOMBO URBAN WETLANDS

Bank's Branch or Office: [insert complete name of Guarantor]

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

PERFORMANCE SECURITY No.: [insert Performance Guarantee number]

We have been informed that [insert complete name of Supplier] (hereinafter called "the Supplier") has entered into Contract No. [insert number] dated [insert day and month], [insert year] with you, for the supply of [description of Goods] (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 Supplier, we hereby irrevocably undertake to pay you any sum(s) not exceeding [insert amount(s)¹ in figures and words] upon receipt by us of your first demand in writing declaring the Supplier to be in default under the Contract, without cavil or argument, or your needing to prove or to show grounds or reasons for your demand or the sum specified therein. This Guarantee shall expire no later than the [insert number] day of [insert month][insert year],² and any demand for payment under it must be received by us at this office on or before that date. This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 458, except that subparagraph (ii) of Sub-article 20(a) is hereby excluded.

..... [signatures of authorized
representatives of the **Bank and the Supplier**]

¹ The Bank shall insert the amount(s) specified in the SCC and denominated, as specified in the SCC, either in the currency(ies) of the Contract or a freely convertible currency acceptable to the Purchaser.

² Dates established in accordance with Clause 18.4 of the General Conditions of Contract ("GCC"), taking into account any warranty obligations of the Supplier under Clause 16.2 of the GCC intended to be secured by a partial Performance Guarantee. The Purchaser should note that in the event of an extension of the time to perform the Contract, the Purchaser would need to request an extension of this Guarantee from the Bank. Such request must be in writing and must be made prior to the expiration date established in the Guarantee. In preparing this Guarantee, the Purchaser might consider adding the following text to the Form, at the end of the penultimate paragraph: "We agree to a one-time extension of this Guarantee for a period not to exceed [six months] [one year], in response to the Purchaser's written request for such extension, such request to be presented to us before the expiry of the Guarantee."

Format for Bid Security Declaration

(Procurement Manual Reference - 5.9 [Option — 2])

[If required, the Bidder shall fill in this form in accordance with the instructions indicated in brackets]

Date: _____ *[insert date by bidder]*

Name of contract: **OBTAINING THE SERVICES OF AN ACCREDITED LABORATORY FOR ANALYSIS OF CARBON SEQUESTRATION CAPACITY OF COLOMBO URBAN WETLANDS**

Contract Identification No: S/332/26

Invitation for Bid No.: S/332/26

To: *[insert the name of the employer/ Purchaser preferably PE to fill before issuing the bidding document]*

We, the undersigned, declare that:

1. We understand that, according to instructions to bidders (hereinafter “the **ITB**”), bids must be supported by a bid-securing declaration;
2. We accept that we shall be suspended from being eligible for contract award in any contract where bids have been invited by any of the Procuring Entity as defined in the Procurement Guidelines published by the National Procurement Commission, for the period of three (03) years starting on the latest date set for the closing of bids of this bid, if we:
 - (a) Withdraw our bid during the period of the bid validity period specified; or
 - (b) do not accept the correction of errors in accordance with the instructions to bidders of the bidding documents; or
 - (c) having been notified of the acceptance of our bid by you, during the period of bid validity,
 - i. fail or refuse to execute the Contract Form, if required, or
 - ii. fail or refuse to furnish the performance security, in accordance with the **ITB**.
3. We understand this bid securing shall expire if we are not the successful bidder, upon the earlier of,
 - (i) our receipt of a copy of your notification to the Bidder that the bidder was unsuccessful; or
 - (ii) twenty-eight days after the expiration of our bid.
4. We understand that if we are a JV, the Bid Securing Declaration must be in the name of the JV that submits the bid. If the JV has not been legally constituted at the time of bidding, the Bid Securing Declaration shall be in the names of all future partners as named in the letter of intent.

Signed *[Insert signature(s) of authorized representative]* In the capacity of *[Insert title]*

Name *[Insert printed or typed name]*

Duly authorized to sign the bid for and on behalf of *insert authorizing entity*

Dated on *[insert day]* day of *[Insert month]*, *[Insert year]*