GOVERNMENT OF THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF TRANSPORT, HIGHWAYS AND URBAN DEVELOPMENT

SRI LANKA LAND DEVELOPMENT CORPORATION

Procurement No: S/138/26
Closing Date: 05th June 2026

BIDDING DOCUMENT

For

TOPOGRAPHICAL SURVEY OF KALU OYA MAIN CANAL AND SECONDARY CANALS FOR DETAILED ENGINEERING DESIGNS

Read Only

Sri Lanka Land Development Corporation
No. 03, Sri Jayawardenapura Road
Welikada
Rajagiriya

Tel. No. : 011 2866832 Fax. No. : 011 2871637 Email: supplies.sllrdc@gmail.com

May 2026

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Read Only

SECTION - 01

INSTRUCTIONS TO BIDDERS

Notes:
All Bidders shall refer STANDARD BIDDING DOCUMENT FOR PROCUREMENT OF WORKS ICTAD/SBD/03(second edition-January 2007) Section 2, Instruction to Bidders.
Instructions to Bidders shall be read in conjunction with Bidding Data, Section 05. 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. 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, ICTAD/SBD/03, Second Edition-January 2007 (not attached with this document) for the following sections.

Section 01 – Instructions to Bidders
Section 02 – Standard Forms (Contract)
Section 03 – Conditions of Contract
Section 04 – Form of Bid Qualification Information

Read

INVITATION FOR BID (IFB)

MINISTRY OF TRANSPORT, HIGHWAYS AND URBAN DEVELOPMENT
SRI LANKA LAND DEVELOPMENT CORPORATION

TOPOGRAPHICAL SURVEY OF KALU OYA MAIN CANAL AND SECONDARY CANALS FOR DETAILED ENGINEERING DESIGNS

1.0 The Chairman of the Procuring Entity Sri Lanka Land Development Corporation, No. 03, Sri Jayawardenapura Road, Welikada, Rajagiriya now invites sealed bids from eligible and qualified bidders for TOPOGRAPHICAL SURVEY OF KALU OYA MAIN CANAL AND SECONDARY CANALS FOR DETAILED ENGINEERING DESIGNS as per the specification and conditions of contract annexed herewith.

This work covers the preparation of Topographical Plans, Flat Plans, Longitudinal Sections and Cross Sections along the existing drainage canal paths, and establishment of Temporary Bench Marks.

2.0 You are also advised to furnish your experience and a copy of the annual license obtained from the office of the Surveyor General of Sri Lanka at the time of submission of bids.

3.0 Qualification requirement to qualify for contract award includes the average annual value of works performed for the last 3 years to be more than LKR. 6,000,000.00

4.0 A complete set of Bidding Documents in English language could be purchased by interested bidders on the submission of a written application to the Deputy General Manager (Supplies & Stores) During **9:00hrs to 15:30 Hrs up to 4th June 2026 (Working Days)** upon payment of a non-refundable fee of **Rs 2,500.00.** The method of payment will be only in cash.

5.0 Bids shall be prepared as instructed in the Bidding Document and delivered to the address below mentioned on or before **13.30 Hrs 05th June 2026.** Late bids will be rejected. Bids will be opened soon after closing in the presence of the bidder's representatives who choose to attend.

6.0 Bid shall be valid upto **91 days** from the closing date of bids.

7.0 All bids shall be accompanied by a **Bid Security** of Rupees **Twenty-Five thousand (Rs. 25,000.00)** valid up to **119 days** from the closing date of bids.

Reduced

The Chairman
Procuring Entity
Sri Lanka Land Development Corporation,
No. 03, Sri Jayawardenapura Road,
Welikada, Rajagiriya.

SECTION - 02

STANDARD FORMS

FORM OF BID SECURITY,
FORM OF ADVANCE PAYMENT GUARANTEE,
FORM OF PERFORMANCE GUARANTEE &
FORM OF AGREEMENT

Read Only

PROCUREMENT GUIDELINE REFERENCE 5.3.13
FORMAT FOR BID SECURITY GUARANTEE

(This Bank 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 : _____ (insert by PE) name and address of Employer/Purchaser)
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; if a joint venture, list complete legal names of partners] (hereinafter called "the Bidder")* has submitted to you its bid dated _____[insert (by issuing agency) date] (hereinafter called "the Bid") for the execution/supply [select appropriately] of [insert name of Contract] under Invitation for Bids No._____ (inset 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 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 words]* upon receipt by us of your first demand in writing accompanied by a written statement 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 Insurance to Bidders (hereinafter "the ITB") of the IFB; or

(c) Having been notified of the acceptance of its Bid by the Employer/Purchaser during the period of bid validity, (i) falls or refuses to execute the Contract Form, if required, or (ii) fails or refuses to furnish the Performance Security, in accordance with the ITB.

This Guarantee shall expire; (a) if the 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) our receipt of a copy of your notification to the Bidder that the Bidder was unsuccessful, otherwise it will remain in force upto _____ _____ (insert date)

Consequent1y, any demand for payment under this Guarantee must be received by us at the office on or before that date. _____

[Signature (s) *of authorized representative* (s)*]*

Read Only

PROCUREMENT GUIDELINE REFERENCE 5.4.4 (Contd.)
ACCEPTABLE FORMAT FOR ADVANCE PAYMENT GUARANTEE

Advance payment securities issued in the format given below is acceptable : _____

_____

*(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/Supplier) (hereinafter called "the Contractor") has entered into Contract No. _____ _____*[reference number of the contract]* dated _____with you, for the _____(insert construction" or "supply) of _____ *(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)* upon receipt by us of your first demand in writing accompanied by a written statement stating that the Contactor is in breach of its obligation under the Contract.

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, *Insert the date,* 28 days beyond the *expected expiration date of the contract.*

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

(Signature (s))

Read ONLY

PROCUREMENT GUIDELINE REFERENCE 5.4.8 (Contd.)
ACCEPTABLE FORMAT FOR PERFORMANCE GUARANTEE

_____*(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/ Supplier) (hereinafter called "the Contractor")* has entered into Contract No:_____ *(reference number of the contract)* dated _____with you for the _____
_____[insert "construction" / "supply"] 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) such sum being payable in the types and proportions of currencies in which the Contract Price is payable, 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.

This guarantee shall expire, no later than the_____day of _____ 20 *(insert date 28 days beyond the scheduled contract completion date)* and any demand for payment under it must be received by us at this office on or before that date.

[Signature (s)]

Read Only

FORM OF AGREEMENT

This AGREEMENT, made the ..... [day] of ..... [month] 2024, between General Manager, Sri Lanka Land Development Corporation, No. 03, Sri Jayawardenapura Road, Welikada, Rajagiriya (*hereinafter called* "the Employer") of the one part, and ……
……(*Name and Address of the Contractor*) (*hereinafter called* "the Contractor") of the other part.

WHEREAS, the Employer desires that the Contractor execute the TOPOGRAPHICAL SURVEY OF KALU OYA MAIN CANAL AND SECONDARY CANALS FOR DETAILED ENGINEERING DESIGNS (*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 WITNESSE 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 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 initial 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.

4. For the consideration herein mentioned the Contractor shall execute the Contract as set forth in the Bid in accordance with the Conditions of Contract and Survey specifications, all of which documents hereto annexed are deemed to form part and parcel of this Agreement and have been signed by the Contractor.

5. The following documents shall be deemed to form and be read and construed as part of this Agreement.

    a) Letter of Acceptance
    b) The said Bid
    c) The Conditions of Contract
    d) The Survey Specifications
    e) The Priced Bill of Quantities

Read only

IN WITNESS where of the parties hereto have set their respective hands and seals on the day and year above written.

Signed by the duly authorized signatory
for and on behalf of the Employer

.....

General Manager,
Sri Lanka Land Development Corporation

Employers Common Seal

Witness: 1. Name : .....

2. Signature: .....

Signed by the duly authorized signatory
for and on behalf of the Contractor

.....

Contractors Common Seal

Witness: 1. Name & Address : .....

2. Signature : .....

3. National Identity Card No. : .....

Read only

NON-COLLUSION AFFIDAVIT
(**Procurement Guideline (2024) Reference – 5.6.4)**

I, the undersigned bidder/ bidder's representative/ bidder's agent, honestly, truthfully and solemnly declare that;

a) I, nor any other member, agent or representative of the firm/ company/ corporation/ partnership/ sole proprietorship that I represent, have entered into any combination, collusion or similar agreement with any person in connection with the prices to be submitted by any person with respect to the invitation for bid;

b) I, nor any person who represents me, have acted to prevent any person from submitting a bid or to induce any person to refrain from submitting a bid in connection with the intention for bid (Bid No S/116/26);

c) This bid is not submitted in collusion with any other bid and is not made pursuant to any agreement, understanding or association with any other person in relation to such bid.

I declare that, I have not received and will not accept any discount, fee, reward, commission or anything of value, directly or indirectly, from any person, company or corporation in connection with the submission of this bid.

I further declare that, I have not given and will not give any discount, fee, reward, commission or anything of value, directly or indirectly, to any person, company or corporation in connection with the submission of this bid.

I, taking full responsibility for ensuring the absence of collusion, hereby pledge to abide by fair and ethical competitive practices throughout the entire procurement process and to fully comply with the relevant Procurement Guidelines issued by the National Procurement Commission.

I hereby declare that all the statements made by me above are true and correct.

…….

Signature of the Declarant

Read only

SECTION - 03

CONDITIONS OF CONTRACT

Part 1 - GENERAL CONDITIONS OF CONTRACT
Part 2- SPECIAL CONDITIONS OF CONTRACT

1. The General Conditions for this work are contained in Standard Bidding Document, "Procurement of Works", ICTAD Publication No. ICTAD/SBD/03, Second Edition (January 2007).

2. Whenever there is an ambiguity between GCC & SCC, the SCC shall supersede.

3. This publication can be purchased at the Construction Industry Development Authority (CIDA), "Savsiripaya", 123, Wijerama Road, Colombo — 07.

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CONDITIONS OF CONTRACT
Part 2 - SPECIAL CONDITIONS OF CONTRACT

1. EXTENT OF CONTRACT

The contract for the survey shall comprise of the following:

- Establishment of T.B.M.s as described in the specification.
- Preparation of Topographical Plans, Flat Plans, Longitudinal Sections and cross for Kalu Oya and secondary canals and connection canals as described in the specification. {Please refer Annex 02}
- Provide details of outlet structures connecting to the canal and crossing structure across the canals

Submission of:

- Certified hard copies (2 Nos.) of the following by a License Surveyor as described in the specification:
- AutoCAD drawings (soft copies) including as described in the specification 2 Nos. of copies

2. PAPER SIZE

Drawings shall be produced on standard size A1 papers (594 x 841 mm) and all lines and letterings should be inked.

3. TRANSPORT AND EQUIPMENT

No transport facilities or any other equipment will be provided by the employer.

4. PAYMENT

On handing over the completed drawings, 75% of the contract sum will be paid and the balance of 25% will be paid after the documents submitted are scrutinized, within three weeks.

5. ADVANCE PAYMENTS

Advance payment will be made, only after Unconditional Guarantee be furnished by the contractor. (20% of the contract sum)

6. TIME OF COMPLETION

This work will have to be completed within **Ninety (90) calendar days** from the date of commencement.

7. LOCAL LABOUR

All employees both skilled and unskilled employed on the work shall be Sri Lankans.

8. INSPECTION OF WORKS

The employer or his officials when in execution of their duties shall have full power and authority to inspect the works at any time when in progress on the site. Contractor shall afford or provide to such persons every facility and assistance to carry out such inspection.

9. ACCIDENT OR INJURY TO WORKMEN

The employer shall not be held liable for or in respect of any damage or compensation payable in respect of or in consequence of any accident or injury to any workmen or other person in the employment of the contractor. The contractor shall indemnify the employer against all such damage and compensation and against all claims, demands, and proceedings costs. Charges and expenses whatsoever in respect thereof in relation thereto.

Read only

SECTION - 4

FORM OF BID AND QUALIFICATION INFORMATION

Read Only

FORM OF BID

MINISTRY OF TRANSPORT, HIGHWAYS AND URBAN DEVELOPMENT

SRI LANKA LAND DEVELOPMENT CORPORATION

PROCUREMENT No : S/138/26

TOPOGRAPHICAL SURVEY OF KALU OYA MAIN CANAL AND SECONDARY CANALS FOR DETAILED ENGINEERING DESIGNS

To: The Chairman, Procurement Committee (Minor)
Sri Lanka Land Development Corporation
No. 03, Sri Jayawardenapura Road,
Welikada, Rajagiriya.

Gentleman,

1. Having examined the Standard Bidding Document – Procurement of Works – Minor Contracts [ICTAD/SBD/03-Second Edition, January 2007], Schedule, Specifications, Drawings and Bills of Quantities and addenda for the execution of the Above-named Works, We/I the undersigned, offer to execute and complete such Works and remedy any defect therein in conformity with the aforesaid Conditions of Contract, Schedule, Specifications, Drawings, Bill of Quantities and Addenda for the sum of Sri Lankan Rupees ……
……..(
LKR ……..) or such other sums as may be ascertained in accordance with the said Conditions.
2. We/I acknowledge that the Schedule forms part of our Bid.
3. We/I undertake, if your Bid is accepted, to commence the Works as stipulated in the Schedule, and to complete the whole of the Works comprised in the Contract within the time stated in the Schedule.
4. We/I agree to abide by this Tender for a period of Fourteen (14) days from the date fixed for the closing of Tenders and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
5. Unless and until a formal agreement is prepared and executed this Bid, together with your written acceptance thereof, shall continue a binding contract between us/me.
6. We/I understand that you are not bound to accept the lowest or any Bid you may receive.
Dated this ……. day of ……. 20….. in the capacity of ……. Duly authorized to sign tenders for on behalf of ……

Read Only

(IN BLOCK CAPITALS)

Signature : ……..

Name : ……..

Designation : ……..

Address : ……..

……..

……..

Witness: ……..

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QUALIFICATION INFORMATION

1.0 Legal Status

Constitution or legal status of Bidder *[attach certified copy]*
[Attach all government certifications defining this aspect]

Business Address : …….

……..

……..

Telephone Number : ……..

Facsimile Number : ……..

E mail Address : ……..

Power of attorney of signatory of Bidder *[attach]*

2.0 Volume of Survey work by value in Rupees

Total annual turnover in survey ……

Average annual value of works performed in previous three years,

2023 .....
2024 .....
2025 .....

[Attach documentary evidence: Certified copies of ICTAD Record Book extracts: Profit & Loss Account; Income Expenditure Statement; or any other.]

3.0 Work Experience

3.1 Work performed as main Contractor on work of similar nature and volume over the last three years. *[Attach Clientele Certification]*

Project Name	Name of Client & Contact Person	Year of Completion	Value of Contract

Read only

3.2 Details of On-going Projects (Attach Client Certification)

	Project 1	**Project 2**	**Project 3**	**Project 4**	**Project 5**
Project Name					
Name of Client					
Contract Price					
Contract Period					
Date of Commencement					
% of work completed					

4.0 Personnel

Qualification and experience of project management staff, proposed for administration and execution of the Contract. *(Attach original of curriculum vitae together with certified copies of certificates.)*

5.0 Financial Capacity

5. 1 Latest Financial report, last three years profit and loss account, balance sheet, auditors' reports, etc. *(List below and attach Certified copies and last three years turnover)*

.....

.....

5.2 Evidence of access to financial resources to meet the qualification requirements: cash in hand, lines of credit, etc. List' below and attach certified copies of support documents.

.....

.....

Read only

SECTION - 5

BIDDING DATA AND CONTRACT DATA

Note :

This section shall be read in conjunction with Section 1/ Instructions to Bidders and Section 3 – Condition of Contract of ICTAD/SBD/03 Second Edition – Jaunary 2007, and is intended to provide specific information in relation to corresponding Clauses in Section 1 & 3. Whenever there is an ambiguity, the provisions are Section 5 – BIDDING DATA AND CONTRACT DATA shall supersede these provided in the Section 1 – Instructions to Bidders and Section 3 – Conditions of Contract.

Bidders are advised to consider the information printed in blue colour in the document as a checklist, when submitting their bids.

However, it is the responsibility of the bidders to comply with all the requirements given in the bidding document.

Read only

BIDDING DATA

Instruction To Bidder Clause Reference				
(1)	1.1	Employer	:	General Manager, Sri Lanka Land Development Corporation
	1.2	Address	:	No. 03, Sri Jayawardenapura Mw, Welikada, Rajagiriya
	1.3	Engineer	:	Deputy General Manager (Urban Water Management)
	1.4	Address	:	Urban Water Management Division, No. 260, Lake Drive, Colombo 05.
	1.5	The Works Scope	:	The Work consists of TOPOGRAPHICAL SURVEY OF KALU OYA MAIN CANAL AND SECONDARY CANALS FOR DETAILED ENGINEERING DESIGNS This work covers the preparation of Topographical Plans, Flat plans, Longitudinal Sections and Cross Sections along the drainage line traces, and providing details of croosing structures and outlet strucutres and establishment of Temporary Bench Marks
		Commencement Date	:	Date of commencement shall be 07 days from the letter of acceptance.
		Time for Completion	:	Intended Completion Date is Ninety (90) calendar days from the Commencement date
(2)	:	Source of Funds	:	The source of funding is the Treasury of Sri Lanka
(4)	:	Eligibility and Qualification of Bidder	:	To Qualify For Award Of Contract, Bidders Shall Meet The Minimum Qualifying Criteria Given In Section 4 – Form Of Bid And Qualification Information
(7)	:	Site Visit	:	Site Visit Will Be Arranged In Pre-Bid Meeting Date
(9)	:	Clarification of Bidding Document	:	Bidders are instructed to clarify any matter regarding the above contract by contacting Deputy General Manager (Urban Water Management), Sri Lanka Land Development Corporation, Tel: 011-2058154.
(15)	15.1	Period of Validity of Bids	:	04th Spetember 2026 (91 Days)

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(16)	16.1	:	Bid Security	:	All bids must be accompanied by a bid security of Rupees Twenty Five thousand (25,000.00) The 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. Cash Bond also could be submitted (Bidder Could pay cash to cashier, SLLDC and attach receipt to the bid).
	16.2		Validity period of Bid Security	:	02nd October, 2026 (119 Days)
	16.3		Bid Security Amount	:	LKR. 25,000.00
(17)		:	Pre-Bid Meeting	:	Pre-bid meeting will be arranged on 26th May 2026 at the Urban Water Management Centre, 260, Lake Drive, Colombo 05 at 10.00 hrs. Bidders are instructed to visit the site before pricing. Any clarifications can be made by Deputy General Manager (UrWM) of Tel. 0112058154. All bidders are welcome for this meeting.
(20)	20.1	:	The Bid shall be submitted to	:	Deputy General Manager (Supplies & Stores) Sri Lanka Land Development Corporation, No.03, Sri Jayawardanapura Mawatha, Welikada, Rajagiriya.
	20.2	:	Deadline for the submission of Bid	:	The deadline for submission of Bids shall be on or before 1.30 p.m. on 05th June 2026
(21)		:	Late Bids	:	Late bids shall be rejected
(22)		:	Bid Opening	:	The Bids will be opened immediately thereafter at Supplies & Stores Division, 1st Floor in New Head office Building located at the address in clause 20.1

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CONTRACT DATA

(Please note that the clause nos. given hereunder is that of Conditions of Contract and the information given under contract data supersedes conditions of contract)

CONDITION OF CONTRACT
CLAUSE
REFERENCE

(1.1.8) The "Employer" is

Name: **General Manager**
Sri Lanka Land Development Corporation

Address: **Sri Lanka Land Development Corporation,**
No. 03,
Sri Jayawardenapura Mawatha,
Welikada,
Rajagiriya.

(1.1.10) The "Engineer" is

Name: **Deputy General Manager (Urban Water Management)**
Sri Lanka Land Development Corporation

Address: **No. 260,**
Lake Drive,
Colombo 05.

(1.1.19) Site is located at **Kalu Oya Canal, Wattala**

(1.1.21) The work to be performed by the Contractor specified in the Bidding Documents' Special Condition of Contract .

(1.1.14) The Intended Completion Date for the whole of Work is **90 calendar days from the commencement date**.

(2.1) Execution of Contract: **07 days from the Letter of Acceptance**

(2.3) Contract Programme must be submitted within five (05) days of the agreed date of commencement of the Contract the Contractor shall submit the programme with the first completed plans for quality appraisal and approval.

(4.4) The Performance Security shall be **5%** of the Initial Contract Price in the form of unconditional bank guarantee from a commercial bank certified by Central Bank of Sri Lanka and shall be valid for 88 days.

Read only

(6.4) Liquidated Damage : **Rs: 750.00** per day
Maximum amount of Liquidated Damage: **10%** of Initial Contract Price.

(10.3) Price adjustment will not be allowed for this contract.

(10.4) The retention from each payment shall be **10** % of the certified work done.
The limit of retention shall be **05** % of the Initial Contract Price.

(10.12) Amount of Advance payment is 20% of the Initial Contract Price.

An Unconditional Guarantee must be furnished by the contract to release the advance payment.

Upon the recovery of the advance payment in full the Employer shall return the original of the advance payment guarantee to the Contractor

(10.4) Payment

On handing over the completed drawings, 75% of the contract sum will be paid and balance 25%will be paid after the drawings and documents submitted are scrutinized within three weeks if no major errors are encountered. Final payment will be made after the minor errors are rectified.

(12.1) Labour Discipline & Behavior

List of workers assigned for this work (Including their permanent address, copied of National Identity cards) to be submitted to the Engineer.

The project Engineer reserves the right to dismiss any kind of manpower who is not suit to the work.

Contractor should not allocate his employees who may be a threat to the National Security. If any kind of situation arise, Contractor is fully responsible for the same.

(13.1) Minimum Insurance Cover per occurrence is Rs. **100,000.00** and number of occurrence shall be unlimited.

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SCOPE OF WORK

The Kalu Oya Main Canal is located in Wattala of the Western Province; the desired length to be surveyed is around 7.3 km. The canal outlets fall to the Kelani River. The canal is an earth drain with some banks improved with gabions or sheet piles. The canal width varies from 15 meters to a maximum of 40 meters in some areas and depth 1 to 3 meters. Please refer to Annexure 02 for details of the canal system.

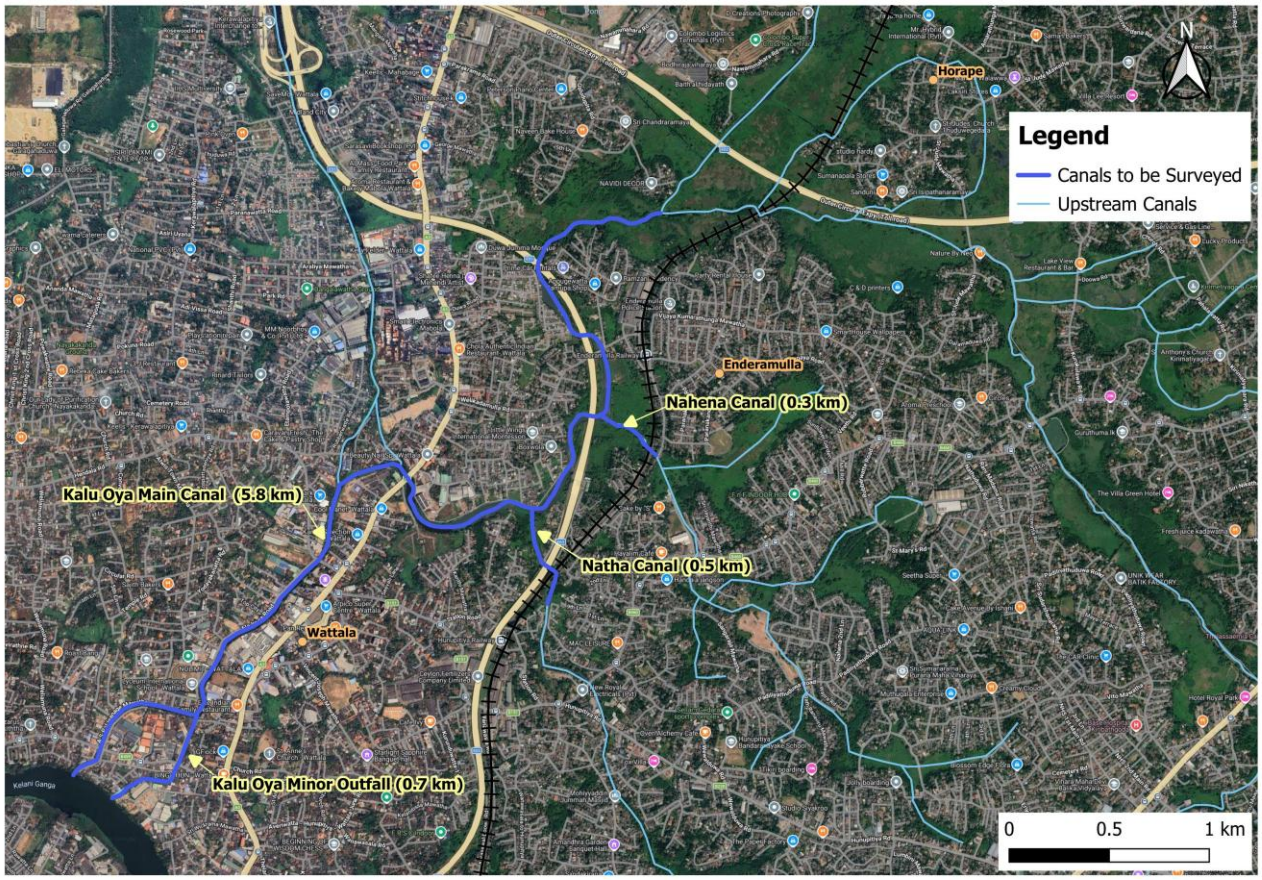

Figure 01: Extent of Canal survey required for Kalu Oya and Secondary Canals

Details of Canals to be surveyed

Canal Name	**Length to be Surveyed (km)**	**Approximate Width of Canals (m)**	**Depth of Canal (m)**	**Nos. of Crossing Structures**
Kalu Oya Main Canal	5.8	18 - 40	1-3	8
Natha Canal	0.5	10 – 30	1-2	2
Nahena Canal	0.3	10 - 20	1-2	1
Kalu Oya Minor Outfall Canal	0.7	10 - 30	1-3	2
Total Canal Length	**7.3**			

This contract includes,

1.0 Establishment of T.B.M.s as described in the specification.

2.0 Preparation of Topographical Plans, Flat Plans, Longitudinal Sections and cross for Kalu Oya and secondary canals and connection canals as described in the specification.
{*Please refer Annex 02}*

3.0 Provide details of outlet structures connecting to the canal and crossing structure across the canals

4.0 Submission of

1. Certified hard copies (2 Nos.) of the following by a License Surveyor as described in the specification:
2. AutoCAD drawings (soft copies) including as described in the specification 2 Nos. of copies

Read Only

SECTION - 6

SPECIFICATIONS

Read only

SPECIFICATIONS FOR TOPOGRAPHICAL SURVEYS

01. Introduction: -

A Detail Topographical Survey of Secondary canals are needed to increase flood safety level of Kalu Oya Main Canal drainage basin under Storm Water Drainage & Environment Improvement Project for Kalu Oya Basin. Furthermore, it requires the survey of crossing structures in the following sections.

- Secondary canals
- Connection canals

02. General: -

The topographical survey must also serve the purpose of identification of the canal trace, canal width, canal depth, cross section, details of existing embankment protection structures (Gabion, concrete wall, sheet pile and etc..) and road crossing structures.

It would also be much important to collect the information such as past experience, views & opinions of the dwellers, familiar drainage problems, levels & frequencies of floods, causes of blockades and any other matters which are supposed to be relevant to the design work for the area both in dry and wet weather seasons from the people who have been living in the area for a long period of time and are familiar with and/or affected by this crucial problem during rains.

03. Horizontal Control:-

Entire survey shall be connected to National Grid System (SLD-99) of the Survey Department, Sri Lanka.

The Contractor shall run the necessary control traverses in and around the entire survey area to ensure the required accuracy for the survey.

FOR CONTROL TRAVERSES

AZIMUTH check should be made for every 25 lines.

AZIMUTH closure at azimuth check point should not exceed 10" per station or $80"\sqrt{N}$ (N= number of lines)

Position closure $0.8\sqrt{D}$ meters, where D is the total length in Km.

04. Detailed Survey

The survey should be carried out to furnish the following details.

Cover the scope of work given,

a. Each and every detail of canals/drains given in scope of work including type of existing bank protection (it shall cover a 15m passage from either edges of the canal) Canal stretches where there are abundant paddies or marsh areas in both side or one side of the canal stretch shall be measured up to the boundary.

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b. All built up structures including houses, boundary walls, septic tanks, toilets etc. within the above passage and access to properties.

c. All boundaries of the properties and encroachments along the route.

d. Culverts; No. of rows/opening, Road width, diameter or internal width and height of each row/opening, length between head walls and inlet & outlet invert levels.

e. Roads within survey area indicating names.

f. Existing underground utility service lines of telephone/water supply/sewer lines, manholes, drains and gullies and location of gates.

g. Electrical and telecommunication posts.

h. Details of the Connecting drains, canals and outlet structures with invert levels diameter or opening sizes along the entire canal stretch to be covered by the survey should be given.

i. Details of High Flood levels with specimen time periods.

j. Details and positions of all Temporary Bench Marks.

k. Any other important data.

05. Vertical Control

Bench Marks

Bench Marks with respect to the mean sea level (MSL) datum shall be established along the survey route approximately 500 m distances. In case of crossing structures, a bench mark should be set at every location.

All bench marks shall be established with 10 mm diameter steel pin embedded in concrete and fixed on to the permanent features and so positioned to be readily accessible but clear of vehicular traffic or water logged areas.

The Contractor should establish vertical control points around the survey area. The Contractor shall also establish additional TBM required for his work. Allowable error of the detail levelling should not exceed + or – 24 k mm where $\sqrt{k}$ is the distance between bench marks measured along levelling route in km. These TBM shall be established with 10 mm diameter steel pin embedded in concrete and so positioned to be readily accessible but clear of vehicular traffic or water logged areas.

All Temporary Bench Marks and control points shall be submitted with sketches separately.

06. Spot Levels

6a. Water Levels

Prevailing static water levels of the water logged areas during both dry and wet weather, and those of the existing, drains and canals and flood levels, maximum water levels in the canals etc.

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6b. Existing levels

Levels of the existing ground should be indicated in 20m grids in both directions. DPC levels of the existing buildings and road levels within the survey corridor and the vicinity should also be indicated.

07. Longitudinal Section

Levels of the longitudinal sections at 10 m intervals of existing canals, secondary canals and drains both earthen and built up should be indicated in the plan with special reference to obstacles to the flows. The Contractor is also advised to obtain more details where sudden changes such as steep slopes bottle necks obstacles hydraulic structures and crossings etc. occur. Connecting canals for at least 20 m should be indicated in the plan and levels of the secondary canal near the connecting point should be given.

The existing centre line of canals & structures shall be shown with reference to the National Grid.

Chainage should be marked according to the flow directions.

Each longitudinal section drawing shall clearly indicate:

- Canal/drain bed levels,
- Left and right bank levels,
- Road levels at crossings (if applicable),
- Locations of hydraulic structures and other significant features.

08. Cross Sections

Cross sections at every 20 m intervals. Additional cross sections shall be taken at:

- Bends
- Narrow or widened sections
- Steep slopes or sudden drops
- Culverts and other permanent or temporary structures
- Adjacent marshes,
- paddy lands
- flood-prone areas

Sudden changing points such as narrow & broad sections, bends, steep slopes or sudden drops, culverts, both permanent & temporary structures & marshes nearby, etc. should be indicated clearly.

Cross sections should be perpendicular to the centre line of the drainage path.

a. Levels of cross sections at 2 m intervals along the cross section to a 15 m distance from the edge of the canal path should be taken on both sides. If there's any significant change in topography on special structure extend the 15 m distance from the edge of the drainage path to mark the details (as required).

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b. All important details such as width & depth of the channel, channel banks, water level etc. should be noted down and indicated in drawings clearly.

c. Also in canal stretches with marshes or abounded paddy area, cross section shall be taken 6.0m beyond the abundant paddy or mash boarders.

09. Structures

The dimensions such as length, width & height and the invert and sill levels, etc. of any permanent bridges, culverts and any other structures should be taken with an accuracy of (+ or -) 5 mm.

Indication should be made about the type of structure, details of Abutment Head walls/Wing walls (if any).

10. Drawings to be produced

The survey drawings of all topographical and levelling works produced according to the scope of work shall be supplied in tracings and in metric units as described below.

i). a). Topographical Plan
Scale 1:500

b). Longitudinal Sections

Horizontal	1:1000
Vertical	1:100

ii). Cross Sections

Horizontal	1:200
Vertical	1:200

iii). Crossing structures

a). Survey Plan
Scale 1:50

b). Longitudinal Section through the culvert

Horizontal	1:50
Vertical	1:50

c). Cross sections of the crossing structures

Horizontal	1:50
Vertical	1:50

d). Text

- Font - Arial
- Normal Text Size - 2 mm
- Headings - 4 mm
- Sub Tittle - 3 mm

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Drawings shall be made on AUTOCAD drafting.

Drawings should be produced on a standard A1 sized (594 x 841 mm) white papers and soft copies in AutoCAD format should be submitted by the contractor.

With reference to the given specimen,

- Bar scales shall be marked
- Leave 150 mm x 125 mm space for the cage at right bottom corner.
- A legend shall be provided.
- Mark the Topographical plan underneath the longitudinal section in one paper.
- Letter type shall be Arial and letter sizes are 2mm,3mm and 4mm for notes, sub headings and headings

11. Instruments/other

Total station (TS) survey instruments and automatic levels may be used and the entire survey including levelling, contours, etc. should be in MSL (m) connected to the Survey Department, datum.

All field notes of surveying, levelling and co-ordinate sheets and plotting sheets shall be submitted and shall remain the property of the Employer.

12. Level Datum

I. Levels mentioned on the drawings should be based on heights above mean sea level.

II. It shall be the contractor's responsibility to establish temporary bench marks and handing over the SLLDC in writing the location and value of the temporary bench mark after completion of work. All temporary bench marks shall be referred thereto.

III. Contractor shall establish temporary bench marks as directed and shall indicate to the Employer the location and value of the bench marks at the completion of the works.

13. Dimensions

All dimensions should be in Metric Units and should have a minimum of two decimals.

14. Advertisements

No advertisement shall be placed on any hoarding, fencing or scaffolding erected for any purpose connected with the contract without the written permission obtained from the Employer.

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SECTION - 7

BILL OF QUANTITIES

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TOPOGRAPHICAL SURVEYING OF KALU OYA MAIN CANAL AND SECONDARY CANALS FOR DETAILED ENGINEERING DESIGNS

Procurement No : S/138/26

Bill of Quantities

Item No.	Description	Qty.	Unit	Rate Rs.	Amount Rs.
Topographical Survey of Kalu Oya Main Canal and Secondary Canals for Detailed Engineering Designs					
1	**Survey of Kalu Oya main canal and Secondary canals and produce of following drawings.** Longitudinal Section, Cross Sections, flat plan and topographical plan along the drainage paths as specified cross section of the retention area. Details of the Connecting drains, canals and outlet structures with invert levels diameter or opening sizes along the entire canal stretch to be covered by the survey should be given. Kalu Oya Natha Canal Nahena Canal Kalu Oya Minor Outfall Canal	 5.8 0.5 0.3 0.7	 km km km km		
2	**Details survey and preparation of site plans, CS and LS of crossing Structures.** Road crossing structures	13	Nos.		
3	**Establishment of Bench Marks** Provision of bench marks along the canal line	30	Nos.		
Total					

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Note:

- Please go through the Scope of work, Specification Annexure 01 & 02 before quoting prices
- All bidders are advised to participate both Pre-Bid Meeting & Site inspection before quoting prices

TOPOGRAPHICAL SURVEYING OF KALU OYA MAIN CANAL AND SECONDARY CANALS FOR DETAILED ENGINEERING DESIGNS

Procurement No : S/138/26

Summary

Item No.	Description	Amount (Rs)
1.0	Topographical Survey of Kalu Oya Main Canal and Secondary Canals for Detailed Engineering Designs	
	SUB TOTAL 01	
	Contingency 10%	
	Less: Discounts (if any)	
	SUB TOTAL 02	
	Add: VAT 18%	
	GRAND TOTAL	

Total amount in words the sum of Rupees ……..……

……..

Signature :

Company Seal :

Name & Address
Of the contractor : ……..

……..……..

……..……..…

WITNESSES

1. Signature: ……...

Name & Address: ……

……

2. Signature: …….

Name & Address: ……

……

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SECTION - 8

ANNEXURES

Annexure 1 - Set of Sample Drawings drawings

Annexure 2 - Layout Plan of Existing Canals to be Surveyed & Crossing Structure Detail table

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CHECK LIST FOR BIDDERS

Bidders are advise to fill the following table:

ITEM	ITB Clause	YES (tick)	REFERENCE
Form of Bid			
Addressed to the Employer	**18**		
Completed?	**18**		
Signed?	**18**		
Bid Securing Declaration Form (if required)			
Properly filled and signed	**16**		
Bid Security(if required)			
Addressed to the Employer?	**16**		
Format as required?	**16**		
Issuing Agency as specified?	**16**		
Amount as required?	**16**		
Validity 28 days beyond the validity of Bid?	**16**		
Qualification Information			
All relevant information completed?	**4**		
Signed?	**4**		
Addendum			
Contents of addendum (if any) taken in to account?	**10**		
BID package			
All the documents given in ITB Clause 12 enclosed in the original and copy?	**12**		
ITB Clause 19 followed before Sealing the Bid Package?	**19**		

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Annexure 1 - Set of Sample Drawings drawings

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Annexure 2 - Layout Plan of Existing Canals to be Surveyed

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