



Ceylon Petroleum Corporation

SUPPLY, INSTALL REINFORCED CONCRETE POLE AND AERIAL BUNDLE CABLE AT UPPER TANK FARM, CHAINA BAY

B/19/2024

BIDDING DOCUMENT

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INVITATION FOR BIDS

Note :

The relevant form shall be filled by the Procuring Entity and included in Volume 2 of the bidding documents.

Note :

Bidders are advised to consider the information printed in bold & Italic in the document as a checklist, when preparing their bids. However, it is the responsibility of the bidders to comply with all the requirements given in the bidding document.

INVITATION FOR BIDS (IFB)
MINISTRY OF POWER & ENERGY
Ceylon Petroleum Corporation

Supply, Install Reinforced Concrete Pole and Aerial Bundle Cable at Upper Tank Farm, China Bay

B/19/2024

1. The Chairman, **Departmental Procurement Committee (DPC)** on behalf of the **Ceylon Petroleum Corporation** invites sealed bids from eligible and qualified contractors for the contract “**Supply, Install Reinforced Concrete Pole and Aerial Bundle Cable at Upper Tank Farm, China Bay**”

The period of Construction of this work is **03 Months**.

2. Bidding will be conducted through National Competitive Bidding Procedure.
3. To be eligible for contract award, the successful bidder/nominated subcontractor shall have not been blacklisted and shall meet the **CIDA grade C6 and C5 or above in relevant civil works and EM2 or above in relevant mechanical works at the time of the submission of the Bid**.
4. Bidding will be conducted through National Competitive Bidding (NCB). Since the Total Cost Estimate of this procurement is below Rs. 50 Mn., regional preference and CIDA grade preference shall apply as stipulated in Public Finance Circular No. 04/2016 (ii)”.
5. Bidding documents can be obtained on working days between 0900 hrs. to 1500 hrs. up to 26.04.2024 from the office of Manager (Procurement & Stores), Ceylon Petroleum Corporation, 1st Floor, No. 609, Dr. Danister De Silva Mawatha., Colombo 09, on a written request, or download from CPC website, i.e - <http://ceypetco.gov.lk/public-tenders/> after payment of non-refundable fee of Rs. 10,000.00 (Rs. 8,267.88 + 2.5% SSCL + 18% VAT per set). As per the Public Contract Act No, 3 of 1987, the Prospective Bidders shall be registered in Department of Registrar of Companies through <https://eroc.drc.gov.lk/> website and submit PCA 3 certificate along with their Bid.
6. The Bid will be closed at 1400 hrs. on 29.04.2024 and opened at the Office of Manager (Procurement & Stores), Ceylon Petroleum Corporation at the address given below, immediately after the closing time of the Bid.

Clarifications if any please contact,

Electrical Engineer via: 0115455142, priyantha@cepetco.gov.lk

Chairman,
Departmental Procurement Committee,
C/o Manager (Procurement & Stores),
Procurement & Stores Function,
Ceylon Petroleum Corporation,
1st Floor, No. 609, Dr. Danister De Silva Mw.
Colombo 09.
Tele : 011-5455335

Section - 1

INSTRUCTIONS TO BIDDERS

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 facilitate the bidder to price their bids.

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

Note :

Bidders, may consider the information printed in bold & Italic in the document as a checklist when preparing their bids. However, it is the responsibility of the bidders to comply with all the requirements in the bidding document.

Section 1

1. INSTRUCTIONS TO BIDDERS

Instructions to Bidders applicable for this Contract are that given in Section 1 of the Standard Bidding Document for Procurement of Works, ICTAD Publication No. ICTAD/SBD/01, January 2007, published by the Institute for Construction Training and Development [ICTAD], “Savsiripaya”, Wijerama Mawatha, Colombo 07.

This publication will not be issued with the Bidding Document and Bidder is advised to Purchase it from ICTAD.

Section - 2

STANDARD FORMS (CONTRACT)

- *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 the requirements herein or as acceptable to the Employer.*

FORM OF LETTER OF ACCEPTANCE

Notes on Form of Letter of Acceptance

The Letter of Acceptance will be the basis for formation of the Contract as described in Clause 1.6.3 of the Instructions to Bidders. This Form of Letter of Acceptance should be filled in and sent to the successful bidder only after evaluation of Bids and after obtaining approval from the relevant authority.

[Letter heading paper of the procuring entity]

----- [date]

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.

The adjudicator shall be ----- *[name and address of the Adjudicator, if agreed]* / shall be appointed by the Institute for Construction Training and Development (ICTAD).

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 : -----

STANDARD FORM: 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.

.....

.....

Authorized signature of Contractor

Authorized signature of Employer

COMMON SEAL

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 theinsert "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.

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.

This guarantee shall be governed by the laws of Sri Lanka and shall be subject to the Uniform
Rules for Demand Guarantees, published as number 758 by the International Chamber of
Commerce, except as stated above.

[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.....with you, for the Construction 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 figure*] (.....[*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 Contractor is in breach of its obligation in repayment of the advance payment 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 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)]

⁴ The Guarantor shall insert an amount representing the amount of the advance payment and denominated either in the currency(ies) of the advance payment as specified in the Contract.

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[amount in figures] (.....) [amount in words⁵] 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, any demand for payment under this guarantee must be received by us at this office on or before that date.

[Signature(s)]

⁵ The Guarantor shall insert an amount representing the amount of the second half of the Retention Money.

SECTION – 3

CONDITIONS OF CONTRACT

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

Section – 3

3.0 GENERAL CONDITIONS OF CONTRACT

General Conditions of Contract applicable for this Contract are that given in Section 3 of the Standard Bidding Document for Procurement of Works, ICTAD Publication No. ICTAD/SBD/01, January 2007, published by the Institute for Construction Training and Development [ICTAD], “Savsiripaya”, Wijerama Mawatha, Colombo 07.

This publication will not be issued with the Bidding Document and Bidder is advised to Purchase it from ICTAD.

General Conditions of contract shall be read in conjunction with schedule provided under Section 5 of the Bidding Document.

SECTION - 4

**FORM OF BID AND QUALIFICATION
INFORMATION**

Note :

*Bidders are advised to consider the information printed in **Bold & Italic** in the document as a checklist, when submitting their bids. However, it is a responsibility of the bidders to comply with all the requirements given in the bidding document.*

Form of Bid

Note : *Prior to issue of the bidding documents, the Employer should insert relevant data for all items marked with an asterisk (*).*

Name of Contract : **Supply, Install Reinforced Concrete Pole and Aerial Bundle Cable at Upper Tank Farm, China Bay**

To : **Ceylon Petroleum Corporation**

Gentleman,

- 1. Having examined the Standard Bidding Document - Procurement of Works [ICTAD/SBD/01 - Second Edition, January 2007], Specifications, Drawings and Bills of Quantities and Addenda for the execution of the above-named Works, we the undersigned, offer to execute and complete such Works and remedy any defect therein in conformity with the aforesaid Conditions of Contract, Specifications, Drawings, Bills 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 acknowledge that the Contract Data forms part of our Bid.**
- 3. We undertake, if our Bid is accepted, to commence the Works as stipulated in the Contract Data, and to complete the whole of the Works comprised in the Contract within the time stated in the Contract Data.**
- 4. We agree to abide by this Bid for the period of Seventy Seven (77) Days from the date fixed for receiving or any extended period 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 constitute a binding contract between us.**
- 6. We accept / we do not accept the Adjudicator.**
- 7. We 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 and on behalf of

(IN BLOCK CAPITALS)

Signature :

Address :

Witness :

Qualification Information

(To be completed and submitted by the bidder, with the Bid)

ICTAD Registration	
Registration number	(attach copies of relevant pages from the registration book)
Grade	
Specialty	
Expiry Date	
Blacklisted Contractors	
Have you been declared as a defaulted contractor by NPA or any other Agency? (Yes/No)	
IF yes provide details	
VAT Registration Number	
Construction Program	(attach as annex)
Legal status	(attach relevant status copies, as annex)
Value of Construction works performed in last 5 years	
(attach copies of Certificate of Completion etc. and other documents such as profit-loss and income expenditure statement)	
Year 2021	
Year 2020	
Year 2019	
Year 2018	
Year 2017	
Value of similar works completed in last 05 years (indicate only the three largest projects)	
	1. Value _____ Year
	2. Value _____ Year
	3. Value _____ Year
	(attach copies of Certificate of Completion etc., as annex)
Major items of construction equipment proposed	
	1. type _____ Capacity
	2. type _____ Capacity
	3. type _____ Capacity
	4. type _____ Capacity
	5. type _____ Capacity
Qualification and experience of key staff – Site & Head Office (Permanent, Contract basis & Consultants)	
	Technical:
	1.
	2.
	3.
	Managerial:
	1.
	2.
	3.
Other information requested under ITB Clause 4.1	

SECTION – 5

BIDDING DATA AND CONTRACT DATA

5.1 Bidding Data

Instructions to Bidders Clause Reference

- 1.1 The Employer is
Name : **Ceylon Petroleum Corporation**
Address : **“609”, Dr. Danister De Silva Mw., Colombo 09.**

The Works Consists of – **Supply, Install Reinforced Concrete Pole and Aerial Bundle Cable at Upper Tank Farm, China Bay.**

Located at : **China Bay**

- 1.2 Intended Completion Date is **03 months** from the Start Date.

- 1.3 The Office for collection of bid forms is :

Bidding documents can be obtained on working days between 0900 hrs. to 1500 hrs. up to from the office of Manager (Procurement & Stores), Ceylon Petroleum Corporation, 1st Floor, No. 609, Dr. Danister De Silva Mawatha., Colombo 09, on a written request, or downloaded from CPC website, i.e - <http://ceypetco.gov.lk/public-tenders/>.after payment of non-refundable fee of Rs. 10,000.00 (Rs.8,267.88 + 2.5% SSCL + 18% VAT per set).

The non-refundable fee is Rupees **Rs. 10,000.00 (including Taxes)**

- 1.1. The source of funds is Ceylon Petroleum Corporation

- 4.2 The registration required

Specialty:

Grade : **C6 and C5 /EM2 and above**

- 4.3 The following information shall be provided in Section 4:

- * ICTAD Registration;
 - Registration number
 - Grade
 - Specialty
 - Expiry Date
- * VAT Registration number
- * Construction Programme
- * Legal Status (Sole proprietor, Partnership, Company etc.)
- * Total monetary value of construction work performed for each of the last five years;
- * Experience in Construction work of similar nature jobs performed in last ten (10) years.

- * Major items of construction equipment proposed to carry out the Contract;
- * Qualifications and experience of key site management and technical personnel proposed for the Contract;
- * Audited financial statements for the last three years

4.4 * Average of the annual volume of construction work performed in the last five years shall be at least Rs. 50.0 million.

- * Experience in the construction of at least one contract of a nature and complexity equivalent to the Works over the last 05 years (to comply with this requirement, works cited should be at least 70 percent completed);

- * Following technical and managerial Staff:

Technical Staff :

1. Chartered B.Sc. Civil Engineer with five years – 01 (Part Time)
2. Civil Engineer with BSc. Engineering, B.TECH Engineering or BEng or similar qualifications and at least 2 years' experience in similar nature works or Assistant Engineer with NDT/ HNDE/TTI or equivalent qualifications and at least 5 years' experience in similar nature works (full time during the civil works).
3. Mechanical site supervisor/ Engineering Assistant with NDT/HNDE/TTI or Equivalent qualifications and at least 3 year experience in Welding, steel fabrication works or NVQ level 04 in welding with at least 3 years post qualified experience. (full time)
4. A qualified welding inspector having CSWIP 3.1 qualification or similar qualification shall be engaged throughout the contract period.

9.1 Employer's address for the purpose of clarification is ;

Name : Mrs. K. Hewagamage

Address : **Manager (Procurement & Stores), Procurement & Stores Function,
1st Floor, No. 609, Dr. Danister De Silva Mw. Colombo 09.**

Fax : **5455424, Tel : 5455331**

11.1 The language of the bidding document shall be English.

12.0 Any other _____

- 13.3** VAT component shall not be included in the rates. The amount written in the Form of Bid shall be without VAT. However VAT component shall be shown separately at the end of the BOQ.
- 13.4** The Contract is not subjected to price adjustment in accordance with Clause 47 of the Conditions of Contract.
- 14.1** Bidders are not allowed to bid in foreign currencies
- 15.1** The Bid shall be valid up to **Seventy Seven days (i.e. up to 15.07.2024) from the date of closing of the Bid.**
- 16.1** Bid shall include a Bid Security using the form included in Section 9.
- 16.2** Bid Security shall be:
- for an amount of **Rs. 20,000.00.**
 - Valid until 12.08.2024 (**105 days**) from the date of closing the Bid .
 - **issued by a licensed Commercial Bank in Sri Lanka** and acceptable to Employer using the form for bid security (unconditional guarantee) included in Section 9 Standard Forms.
- 17.** Pre-bid Meeting/ Site Visit will be held at **1000 hrs. on 22.04.2024**
Venue : **China Bay**
- 19.2 a** The Employer's address for the purpose of Bid submission is
Manager (Procurement & Stores), Procurement & Stores Function, 1st Floor, No. 609, Dr. Danister De Silva Mw., Colombo 09.
- 19.2 b** Contract name: **Supply, Install Reinforced Concrete Pole and Aerial Bundle Cable at Upper Tank Farm, China Bay**

Contract no :
- 20.1** The deadline for submission of Bids shall be **29.04.2024**
- 27.0** **Correction of Errors**
- The existing clause for Correction of Errors in ITB is deleted and shall be replaced with followings.**
- * Where there is a discrepancy between the amounts in figures and in words, the amount in words will govern; and
 - * Where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern, unless there is an obviously gross misplacement of the decimal point in the unit rate, in which case the line item total as quoted will govern, and the unit rate will be corrected.

- * If the total bid price increases due to corrections made on above procedure, the bid price shall not be adjusted to the increased price and the corrections should be readjusted within the bid price in consultation with the bidder.
- * If the bid price decreases by the above procedure, the amount stated in the Form of Bid shall be adjusted with the concurrence of the bidder and shall be considered as binding upon the bidder.
- * If the bidder does not accept the corrected amount of bid, its bid shall be rejected and the bid security may be forfeited.

28.1 For evaluation and comparison of Bids under Sub-Clause 29.2 rates and prices quoted in foreign currencies by the bidders will be converted to Sri Lanka Rupees using middle exchange rate published by the Central Bank of Sri Lanka, on the date of closing of the Bids.

34.0 The successful bidder on being notified by CPC of the acceptance of his Bid, shall furnish at his own expense a Performance Guarantee, within fourteen (14) days of such notification issued by a Commercial Bank in Sri Lanka.

The amount of Performance Security is 5% of the Initial Contract Price.

36.0 The Adjudicator proposed by the Employer (To be informed after awarding the Contract)

Fees and types of reimbursable expenses to be paid to the Adjudicator shall be on a case to case basis and shall be shared by the Contractor and the Employer.

Contract Data

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

1.1 The Employer is

Name : **Ceylon Petroleum Corporation**

Address: **No. 609, Dr. Danister De Silva Mw., Colombo 09.**

Name of Authorized Representative : To be informed after awarding the Contract

1.1 The Engineer is

Name :

Address :

.....

.....

Name of Engineer's Representative : To be notified after awarding the Tender

1.1 The Works consists of : **Supply, Install Reinforced Concrete Pole and Aerial Bundle Cable at Upper Tank Farm, China Bay**

1.1 The Site is located at : **China Bay**

1.1 The Start Date shall be **Fourteen (14) Days** from the Letter of Acceptance.

2.3 The following documents also form part of the Contract:

1. Bidding Data
2. Contract Data
3. Specification
4. B.O.Q.

8.1 Schedule of other contractors:

Name

Period

9.1 Schedule of Key Personnel:

Minimum persons with qualifications and experience to be defined,

1. Chartered Civil B.Sc. Engineer with five years – 01 (Part Time)
2. Civil Engineer with BSc. Engineering, B.TECH Engineering or BEng or similar qualifications and at least 2 years' experience in similar nature works or Assistant Engineer with NDT/ HNDE/TTI or equivalent qualifications and at least 5 years' experience in similar nature works (full time during the civil works).
3. Mechanical site supervisor/ Engineering Assistant with NDT/HNDE/TTI or Equivalent qualifications and at least 3 year experience in Welding, steel fabrication works or NVQ level 04 in welding with at least 3 years post qualified experience. (full time)
4. A qualified third party welding inspector having CSWIP 3.1 qualification or similar qualification shall be engaged throughout the contract period.

CV's of key personnel to be submitted with the Bid.

13.1 The minimum insurance covers shall be :

- (a) 10% of the initial Contract value (for the Employer)
- (b) 110% of the initial contract value (for the contractor)

17.1 The Intended Completion Date for the whole of Works shall be Three (03) months **from the Start Date**

21.1 The Site Possession Date shall be Fourteen (14) Days from Letter of Acceptance

27.1 The Contractor shall submit a programme for the Works within **Seven (07) Days** of delivery of the Letter of Acceptance.

27.3 The period between Programme update is **One month**

27.4 The amount to be withheld for late submission of a Programme is Rupees **10% of the value of the bill certified.**

35.1 The Defects Liability Period is 365 Days.

39.2 Engineer may order variations up to a total cumulative value of not exceeding Rs. **5% of the initial contract value.**

44.1 The following events shall also be Compensation Events:

Not Applicable

46.1 The exchange rate used for calculating the amounts to be paid in currencies other than Sri Lankan Rupees is : **Not Applicable**

47.1 The Contract Price is not subjected to price adjustment

Weightings of Inputs: **Not Applicable**

48.1 The retention from each payment shall be 10% of the certified work done.

The limit of retention shall be 5% of the Initial Contract Price.

49.1 The liquidated damages for the whole of the Works shall be Rs. 1/2000 of the initial Contract Price Per Day.

50.1 The maximum amount of liquidated damages for the whole of the Works shall be 10% percent of the Initial Contract Price. If the total amount of the liquidated damages exceed 10% of the initial contract value, the contract is liable for termination.

51.3 Delete the existing sub-clause 51.3 and reword same as follows :

The advance payment shall be repaid by deducting proportionate amounts from payments otherwise due to the Contractor, following the schedule of completed percentages of the works on a payment basis. The advance payment shall be repaid in full when the total certified value of work reaches 90% of the initial contract price. But if the contract has not been substantially completed before the Intended Completion Date and hence the advance payment made is not fully recovered, the balance amount of the Advance Payment shall be repaid in full from next progressive interim payment. No account shall be taken of the advance payment or its repayment in assessing valuations of work done, Variations, price adjustments, Compensation Events, Bonuses or Liquidated Damages.

52.1 The Performance Security shall be 5% percent of the Initial Contract Price issued by a licensed Commercial Bank in Sri Lanka

58.1 Schedule of operating and maintenance manuals.

60.1 The percentage to apply to the value of the work not completed, representing the Employer's additional cost for completing the Works, is 25%.

Section – 06
SCOPE OF WORKS

Scope of Work

N/A

Section – 7

SPECIFICATIONS

Construction standards & specifications for Reinforce Concrete poles erection and laying overhead Arial Bundle Cable (ABC)

1) Reinforce Concrete pole (RC)

Reinforce Concrete pole shall be used for overhead line construction. The pole type is 8.3m/100 kg.

Transport & Handling

Poles shall be transport and handled at all times with its longer axis in vertical position to ensure that the resulting forces are always resisted by the pole stronger direction. The pole shall be transported on a suitable vehicle supported full length or with limited overhang.

Lifting & storage

While lifting the poles shall be held from at least two points and when stacked at the point of delivery the poles shall be separated by timber bearers shall be placed only on lines vertically above each other.

If any damage or cracking occurs to any poles before they are erected such poles shall be rejected.

Manufacturer test certificate

Manufacturer test certificate for the RC poles shall be submitted by the successful bidder. The test certificate shall show compliance with the relevant standards specifications which are similar to the RC poles specifications stated by the CEB for overhead cable laying. The test certificate shall be issued by an independent testing laboratory.

Foundation types

For the purpose of the support foundation, it is recommended to consider the soil condition of the location. For the poor soil locations special foundations to be constructed to prevent the pole sinking.

Excavate the pole pit of width of pole dimesion+400mm. A 100mm Layer of good soil is hand rammed before erection of the pole. After placing the poles, the pole pit shall be back filled with good soil in layers. Each layer shall not be greater than 150mm compacted by hand ramming. The filling shall be up to a height not less than 250mm above the ground level.

Erection of poles

The preferred method of erection is by cranes of adequate size for the height of pole being handled. Manual method of pole erection are acceptable in location inaccessible to cranes.

- a) Poles shall be erected vertically
- b) The face of the narrow side must be aligned with the LV line in straight sections of the line
- c) Brackets, suspension assembly shall be fixed to the pole using nut & bolts at the ground level before erection of the pole

2) Arial Bundle Cable Laying –ABC

Applicable Standards

- a) NFC 33-209 - Aerial Bundle Conductor
- b) IEC 502 1994 - Extruded solid dielectric insulated power cables
- c) IEC 1089 1991 - Round wire concentric lay overhead electrical stranded conductors
- d) IEC 228 1978 - Conductor of insulated cables

Description of cable

- Phase Conductor

The conductor shall be multi stranded round compacted hard drawn Aluminum conforming to IEC 1089 with XLPE insulation.

The conductor shall not have any joints.

The Phase conductor for bundle shall conforms to the following

- | | | |
|------|--------------------------------------|----------------------------------|
| i. | Number of strands | 12 or 15 |
| ii. | Nominal cross sectional area | 70 sq.mm |
| iii. | Max linear resistance at 20C | 0.443 ohms/km |
| iv. | Nominal breaking strength | 840 da N |
| v. | Diameter of compacted bare conductor | Max 10.2mm
Min 9.7 mm |
| vi. | Thickness of insulating sheath | Max 1.8mm
Min 1.52 at 1 point |
| vii. | Insulated cable outside diameter | Max 14.2mm
Min 13.3mm |

- Neutral Messenger

The strain bearing Neutral conductor shall consist of multi-strand round aluminium alloy conforming to IEC 1089 with insulation.

The conductor shall not have any joints.

The aluminium alloy neutral messenger conductor shall conforms the following.

- | | | |
|----|--|--------------------------|
| a) | Number of strands | 07 |
| b) | Nominal cross sectional area | 54.6 sq.mm |
| c) | Max linear resistance at 20C | 0.63 ohms/km |
| d) | Minimal breaking strength | 1660 da N |
| e) | Nominal diameter of strands | 3.15mm |
| f) | Nominal diameter of bare conductor | Max 9.6mm
Min 9.2 mm |
| g) | Average thickness of insulating sheath | Max 1.6mm
Min 1.34mm |
| h) | Insulated cable outside diameter | Max 13.0mm
Min 12.3mm |

The conductor should be pulled from the top of the drum. Bundled conductor shall not be dragged on the ground. Stringing pulleys used for bundled conductor shall be installed on every pole. The bundled conductor shall be fitted with a complete pulling grip system such that the main pulling force comes only on the neutral messenger. Every care must be taken to avoid damage to the conductor insulation.

Clearance parameters

Clearance for LV overhead lines given are based on the subsidiary legislations made through government notified No.1975/44 of 2016 under the Electricity act No.20 of 2009 for overhead lines not exceeding nominal voltage of 1000V.

- Above the ground –LV Aerial Bundle Conductor (ABC) surrounded by insulation

Over a road	5.5m
Along the road	4.9m

- From trees - LV Aerial Bundle Conductor (ABC) surrounded by insulation

Vertical distance	0.15m
Horizontal distance	0.15m

Section - 7

BILL OF QUANTITIES

Notes : In preparation of the Bidding Document the users are advised to;

- (1) Include appropriate Preliminary Bill items as Bill No.01 in Accordance with ICTAD Publication No. ICTAD/ID/04*
- (2) Allow provision for the Bidders to include the VAT Components separately and instruct them not to carry the VAT Components to the Form of Bid.*
- (3) Advise the bidders that any discount offered will not be considered for Provisional Sum Items.*

**SUPPLY, INSTALL REINFORCED CONCRETE POLE AND AERIAL BUNDLE CABLE AT UPPER TANK FARM,
CHINA BAY**

Route 1-3

Item	Description	Unit	Qty	Rate Rs. Cts.	Amount Rs. Cts
	Note The bidder shall carefully refer the specifications before pricing as a guideline.				
1	Supply, transport & erect 8.3m(100kg) Reinforced Concrete pole & the burried the pole 1.4m depth from ground floor level.. The maximum distance between two poles shall be 40m. The Pole Foundation details are given under the specificatins.	Nos	27		
2	Supply, install 3x70mm ² +54.6mm ² Arial Bundle cable (ABC). The Cable sag varies between 40-135mm .	m	1060		
3	Supply , install suspension assembly with polymer and UV resistant glass fibre with corrosion resistanr Aluminium alloy Bracket with nuts & Bolts	Nos	27		
4	Supply, install Terminal Cap for 70mm ² ABC two phases cable ends	Nos	2		
	Sub Total 1				
	SSCL				
	Sub Total 2				
	VAT				
	Total				

Route 1-2

Item	Description	Unit	Qty	Rate Rs. Cts.	Amount Rs. Cts
	Note The bidder shall carefully refer the specifications before pricing as a guideline.				
1	Supply, transport & erect 8.3m(100kg) Reinforced Concrete pole & the burried the pole 1.4m depth from ground floor level.. The maximum distance between two poles shall be 40m. The Pole Foundation details are given under the specificatins.	Nos	25		
2	Supply, install 3x70mm ² +54.6mm ² Arial Bundle cable (ABC) The Cable sag varies between 40-135mm .	m	1000		
3	Supply , install suspension assembly with polymer and UV resistant glass fibre with corrosion resistanr Aluminium alloy Bracket with nuts & Bolts	Nos	25		
4	Supply, install Terminal Cap for 70mm ² ABC two phases cable ends	Nos	2		
	Sub Total 1				
	SSCL				
	Sub Total 2				
	VAT				
	Total				

Electrical Distribution Board

Item	Description	Unit	Qty	Rate Rs. Cts.	Amount Rs. Cts
	<p>All Electrical work shall be followed IEE 18th Wiring Regulations. Electrical Items (MCB,RCCB etc.) should be of European/Japanese origin or to the BS or equivalent and items without an accredited agent in Sri Lanka shall not be accepted.</p> <p>Supply, install and wire the following Distribution Board (DB) at the entry point</p> <p>1 TP &N Surface Mounted Distribution Board (IP 65)with metal clad body and door, earth and neutral bars, live bus bars, 3 nos pilot lamps ,insulated comb busbar and incorporating din rail type with the following</p> <p>Incoming Circuit Breaker 01 No. 32A, 4P MCB, 10kA</p> <p>Outgoing Circuit Breaker 02 No. 32A, 4P MCB, 10kA 01 No. 32A, 2P MCB, 10kA</p> <p>2 Connect route1-3 & 1-2, 3x70mm2+54.6mm2 ABC cable to the outgoing 4P MCBs in the DB</p> <p>3 Testing & Commissioning</p>	Nos	1		
		Item	1		
		Item	1		
	Sub Total 1				
	SSCL				
	Sub Total 2				
	VAT				
	Total				

Summary

Route 1-3
Route 1-2
Electrical Distribution Board
Grand Total

Total without VAT	Total With VAT

Name of the Bidder :

.....

Address :

.....

Tel/Fax Nos :

.....

.....
Date

.....
Signature of the Bidder and Seal

Section - 8
DRAWINGS

8.0 DRAWINGS

N/A

SECTION – 9

STANDARD FORMS [BID]

- **BID SECURITY**

Note :

The bidders are advised to use the information printed in Bold & Italic in this volume as a check list when submitting the bid. However, it is the responsibility of the bidders to comply with all the requirement given in the bidding document. Failure to non compliance with any of them may be a reason for rejection of the bid.

Notes on Standard Forms :

- ***Bidders shall submit the completed Form of Bid Security/Bid Securing Declaration 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 bidder s at the time of submission of bids.***
- ***The successful bidders will be required to provide these securities in compliance with the requirements herein or as acceptable to the Employer.***

FORM OF BID SECURITY

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

----- [insert issuing bank's name, and address of issuing branch or office]

Beneficiary: ----- [insert (by PE) name and address of Employer]

Date: ----- [insert (by issuing bank) date]

BID GUARANTEE No.: ----- [insert (by issuing bank) number] We have been informed that ----- [insert (by issuing bank) name of the Bidder] (hereinafter called "the Bidder") has submitted to you its bid dated ----- [insert (by issuing bank) 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 bank] 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 Instructions to Bidders (hereinafter "the ITB") ; or
- (c) having been notified of the acceptance of its Bid by the Employer during the period of bid validity, (i) fails 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) 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(s) of authorized representative(s)]

Check List for Bidders

Bidders are advised to fill the following table:

ITEM	ITB Clause	YES (tick)	REFERENCE
Form of Bid			
Addressed to the Employer ?	18		
Completed?	18		
Signed ?	18		
Bid Security			
Addressed to the Employer?	16		
Format as required ?	16		
Issuing Agency as specified ?	16		
Amount and currency as requested?	16		
Validity 28 days beyond the validity of Bid	16		
Qualification Information			
All relevant information completed?	4		
Signed ?	4		
Addendum			
Contents of the addendum (if any) Taken into 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		

SIGNATURE OF THE BIDDER