

CEYLON PETROLEUM STORAGE TERMINALS LIMITED

NATIONAL COMPETITIVE BIDDING

BIDDING DOCUMENT

FOR

**PROTECTION WORKS OF FOUNDATIONS OF PROPOSED 6
NOS. STORAGE TANKS AT KOLONNAWA INSTALLATION
– STAGE 1**

CONTRACT NO: KPR/32 B /2023

Employer:

Chairman
Ceylon Petroleum Storage Terminals Limited,
Oil Installation,
Kolonnawa,
Wellampitiya,
Sri Lanka.

Issued to:

Issued by:

Date:

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Invitation for Bids (IFB)**CEYLON PETROLEUM STORAGE TERMINALS LIMITED****PROTECTION WORKS OF FOUNDATIONS OF PROPOSED 6 NOS. STORAGE TANKS AT KOLONNAWA INSTALLATION – STAGE 1****CONTRACT NO: KPR/32 B /2023****NATIONAL COMPETITIVE BIDDING**

1. The Chairman, Department Procurement Committee (Minor) on behalf of the Ceylon Petroleum Storage Terminals Limited, Oil Installation, Kolonnawa, Wellampitiya, Sri Lanka now invites sealed bids from eligible and qualified bidders for **“Protection works of Foundations of proposed 6 Nos. Storage Tanks at Kolonnawa Installation – Stage 1”** as described below and estimated to a cost of LKR 44.7 million.
2. The works consist of procurement of required materials and carrying out urgent completion/protection works of incomplete foundation structures including earth works, temporary concrete covering for exposed reinforcement of piles, concreting, formwork, reinforcement works, ABC filling, sand filling and installation of drain-out pipes. **The construction period is 120 Days.**
3. Bidding will be conducted through **National Competitive Bidding** Procedure.
4. To be eligible for contract award, the successful bidder shall not have been blacklisted and shall meet the following requirements.

Required CIDA registration;

Specialty	Grade
Building Construction	C5 and above

5. Qualification requirements to qualify for contract award include
 - 5.1 Average annual volume of construction work performed in last five years shall be at least **LKR 200 million.**
 - 5.2 The minimum amount of liquid assets and/or credit facilities, net of other contractual commitments and exclusive of any advance payments, which may be made under the Contract, until the project is taken over by the CPSTL, shall be not less than **LKR 33.5 million.**
 - 5.3 Bidder should have experience in the construction of RCC circular structures (minimum diameter 20m) or RCC water tanks (minimum capacity, 4,000m³) or RCC structures in building (minimum four stories), at least three projects during last ten years (to comply with this requirement, works cited should be at least 70% complete).
6. Interested parties may refer the bidding documents (*only for viewing purpose*) and obtain necessary information through the website www.cpstl.lk and inspect the bidding documents at the address given below from 0900hrs to 1400 hrs of working days.
7. A complete set of Bidding Documents in English language may be purchased by interested bidders on the submission of a written application to **The Manager (Procurement), Procurement Function, Ceylon Petroleum Storage Terminals Limited, 1st floor, New Administration Building, Oil Installation, Kolonnawa** from **06.03.2024 until 27.03.2024** from 0900 hrs to 1400 hrs of working days on production of receipt supporting payment of non-refundable Tender fee of **Rs 12,500.00**

8. Bids shall be submitted on the bidding document obtainable from Procurement Function and duly filled bidding documents may be sent by post/courier under registered cover or sealed cover **to reach** the Chairman, Department Procurement Committee, C/o Manager Procurement, Ceylon Petroleum Storage Terminals Limited, Procurement Function, 01st Floor, New Building, Oil Installation, Kolonnawa, Wellampitiya or could be deposited in the tender box kept at the main entrance of CPSTL, on or before **1400 hrs. on 28.03.2024**.

Bids will be closed at **1400 hrs. on 28.03.2024** and will be opened immediately thereafter at the office of Manager Procurement, in the presence of the authorized only one representative of the bidder who chose to attend

In case the bidders are unable to submit the original bids as above, they could submit the scanned copy of the duly filled bidding documents in PDF format via email to tenders@cpstl.lk **to reach** on or before **1400 hrs. on 28.03.2024**, **subject** to following conditions.

- i. Submission of the bid via email is at own discretion of the bidder.
 - ii. The title and the closing date of the tender shall be indicated as the subject of the email.
 - iii. Size of an email (with attachment) shall be limited to the maximum of 20 MB. In case the size of an attachment exceeds 20 MB, the bidder is requested to split the attachments and send as separate emails (i.e., 01 of 03, 02 of 03 etc.,).
 - iv. Do not CC/BCC to any other official/personal email IDs of CPSTL staff. Bids sent to any other email IDs is strictly not entertained.
 - v. However, the original bid shall be sent to CPSTL prior to finalize the technical evaluation.
9. Bids shall be valid up to **27.06.2024**.
10. All bids shall be accompanied by a Bid Security of LKR 500,000.00 (Sri Lanka Rupees Five Hundred Thousand only). Bid Security shall be valid up to **25.07.2024**
11. A pre-bid meeting will be held at 1000 hrs on **20.03.2024** at the office of Engineering Manager, Oil Installation, Kolonnawa.

The address referred to above is

**The Chairman, Department Procurement Committee (Minor),
C/o Manager Procurement,
Ceylon Petroleum Storage Terminals Limited,
Procurement Function, New Admin. Building,
Oil Installation, Kolonnawa, Wellampitiya,**

Postal Code : 10600

Telephone : +94 11 2572156, +94 11 5750764 Facimile : +94112572155

E-mail : procure@cpstl.lk

SECTION 1

INSTRUCTIONS TO BIDDERS

INSTRUCTIONS TO BIDDERS

Instructions to Bidders applicable to this contract are that given in Section-I of the Standard Bidding Document for Procurement of Works - Major Contracts. CIDA Publication No. CIDA /SBD/02, Second Edition, January 2007, published by the Construction Industry Development Authority (CIDA), “Savsiripaya”, 123, Wijerama Mawatha, Colombo 07.

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

Instructions to Bidders shall be read in conjunction with the Bidding Data provided under Section-2 of the Bidding Document.

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

SECTION – 2

BIDDING DATA

This section shall be read in conjunction with Section I – Instructions to Bidders, and is intended to provide specific information in relation to corresponding clauses in Section I. Whenever there is a discrepancy, the provisions in Section 2 – Bidding Data shall supersede these provided in the Section I - Instructions to Bidders.

BIDDING DATA**Instructions
to Bidders
(ITB)****Clause****Reference****1.1 Employer's Name and Address:**

Chairman,
Ceylon Petroleum Storage Terminals Limited,
Oil Installation,
Kolonnawa,
Wellampitiya,
Sri Lanka.

1.1 Scope of Works

Procurement of required materials and carrying out urgent construction/ protection works for incomplete foundation structures including earth works, temporary concrete covering for exposed reinforcement of piles, concreting, formwork, reinforcement works, ABC filling, sand filling and installation of drain-out pipes.

1.2 Time for Completion

The Time for Completion for the whole of works shall be **120 Days**.

2.1 Source of funds

The source of funds is Ceylon Petroleum Storage Terminals Limited.

4.1 Qualification Information

The following information shall be provided in Section 9 - Schedules:

- CIDA registration
 - Registration number
 - Grade
 - Specialty
 - Expiry date
- Copy of Business Registration of the Company/ies
- VAT registration number (if applicable)
- Form PCA 03 (if applicable)
- Construction program
- Legal status (Sole proprietor, Partnership, Company etc.)
- Authentication for signatory in the form of Power of Attorney (Specifically for this Bid)
- Total monetary value of construction work performed for each of the last five years
- Experience in works of a similar nature and size for each of the last ten years
- Construction equipment
- Staffing
- Work plan, method statements, QA/QC procedures and HSE policy

4.1 (c) Not applicable

- 4.2** To qualify for the award of the Contract, bidder shall meet the following minimum qualifying criteria specified under 4.2 (a), 4.2 (b), 4.2 (c), 4.2 (d), 4.2 (e) and 4.2 (f) of “Bidding Data”. **Any bidder who does not submit required details in the requested manner will be liable for rejection of his bid without requesting any clarification.**

- 4.2(a)** CIDA registration required

Specialty	Grade
Building Construction	C5 and above

- 4.2(b)** **Average annual volume of construction work performed in last 5 years**

Average annual volume of construction work performed in last five years shall be at least **LKR 200 million**. Details shall be entered in Schedule 2 of Section 9; “Schedules”. Documentary evidence such as copies of audited financial statement/accounts **certified by an Attorney at Law** for the last five (05) years (2017/2018, 2018/2019, 2019/2020, 2020/2021 and 2021/2022) shall be submitted.

- 4.2(c)** **Experience**

Bidder should have experience in the construction of RCC circular structures (minimum diameter 20m) or RCC water tanks (minimum capacity, 4,000m³) or RCC structures in building (minimum four stories), at least three projects during last ten years (to comply with this requirement, works cited should be at least 70% complete).

Details shall be entered in Schedule 4 of Section 9; “Schedules”. Documentary proof (Copy of Purchase Order, performance certificate, completion certificate, agreement etc.) for successful completion of the work relating to experience shall be submitted with the offer.

- 4.2(d)** **Essential equipment**

Proposals for the timely acquisition (own, lease, hire, etc.) of the following minimum required essential equipment shall be entered in Schedule 5 of Section 9 “Schedules”.

Concrete Mixers, Concrete pumps, Concrete truck mixtures, Bar bending machines, Poker Vibrators, Plate Compactors, 10-ton Rollers, Excavator/JCB, Surveying Equipment, concrete breakers, compressors etc.

- 4.2(e)** **Managerial and Engineering staff**

Following minimum staff shall be available and deployed to the Contract. Details shall be entered in Schedule 6 of Section 9; “Schedules”. The bidder shall produce documentary proof for availability of following staff and their detailed Bio-Data.

(i) Managerial:

- a. One Project Manager, a Chartered Engineer with minimum 3 years' experience with charter qualification and overall, 10 years' experience.

(ii) Engineering:

- a. One Site Engineer, Civil Engineer with B.Sc. (Eng.) or equivalent qualification with more than 4 years' experience in similar nature works of similar capacity should be assigned to the project full time basis on site during construction period.
- b. Two technical officers with NDT or equivalent qualification with more than 6 years' experience in similar nature works of similar capacity should be assigned to the project full time basis on site during construction period.

This is the minimum requirement and the successful bidder shall assign all other necessary staff to enable compliance with all other contractual stipulations.

4.2(f) Liquid assets and /or credit facilities required

The minimum amount of liquid assets and/or credit facilities, net of other contractual commitments and exclusive of any advance payments, which may be made under the Contract, until the project is taken over by the CPSTL, shall be not less than **LKR 33.5 million or equivalent amount in foreign currency.**

8 Site Visit

Prior to submitting a bid, bidders shall familiarize themselves and shall be deemed to have done so. The bidders shall inform Engineering Manager, Engineering Function, Oil Installation, CPSTL, Kolonnawa, Wellampitiya (Tel. +94-11-2572214, Fax No. 0094-11-2531328) at least 02 days in advance with their names, NIC Numbers/Passport Numbers so that the CPSTL will arrange required permits for the site visit.

The bidders are advised to limit the number of persons, for the visit, due to the security reasons. Site visit will be permitted during 0830 – 1600 hrs except Sundays and Mercantile Holidays. The cost of such visits shall be borne by the bidder.

10.1 Clarification of Bidding Documents

Employer's address for clarification in bidding document is as below.

**The Chairman, Department Procurement Committee (Minor),
C/o Manager Procurement,
Ceylon Petroleum Storage Terminals Limited,
Procurement Function, New Admin. Building,
Oil Installation, Kolonnawa, Wellampitiya.**

Postal Code: 10600

Telephone : +94 11 2572156, +94 11 2547238
Facimile : +94112074299
E-mail : procure@cpstl.lk

13 Documents comprising the Bid

The Bid submitted by the bidder shall comprise the following:

Enclosed in the envelope marked as "ORIGINAL";

- (a) Duly filled and signed Form of Bid (in the format indicated in section 7);
- (b) Bid Security (in the format indicated in section 11);
- (c) Power of attorney for the signatory to the Bid (Specifically for this Bid);
- (d) Original of Form PCA 03 (if applicable)
- (e) Section 2 - Bidding Data
- (f) Section 4 - Contract Data
- (g) Section 6 - Specifications;
- (h) Section 8 - Priced Bill of Quantities;
- (i) Section 9 - Duly filled Schedules;
- (j) Section 10 - Drawing; and
- (k) Detailed "Construction Procedure" of the project including related procurement, construction, testing with adequate information.

Enclosed in the envelope marked as "COPY"

- (a) Duly filled and signed Form of Bid (in the format indicated in section 7);
- (b) Section 8 - Priced Bill of Quantities;
- (c) Section 9 - Duly filled Schedules;
- (D) Detailed "Construction Procedure" of the project including related procurement, construction, testing with adequate information.

14.3 VAT component shall not be included in the rates. The amount written in the Form of Bid shall be without VAT.

If bidder is registered for VAT, the bidder shall indicate the amount of VAT claimed separately at the end of the Bill of Quantities, in addition to the net value of the bid, along with VAT registration number. The amount written on the Form of bid shall be without VAT.

If any bidder is not registered for VAT, he shall indicate the net value of the bid. Under the category bidder shall obtain a letter from the Commissioner of Inland Revenue Department, certifying the Company has not been registered for VAT, shall be attached to the bid. Any bidder who does not comply with this requirement will be liable for rejection of his bid.

14.4 Adjustments for change in cost

The Contract **is subjected** to price adjustment.

15.1 Currency of Bid

The Bid shall be quoted only in Sri Lankan Rupees (LKR)

16.1 Period of Bid validity:

The Bid shall be valid up to **27.06.2024**

17.1 The amount of Bid Security

The Amount of Bid Security LKR 500,000.00 (Sri Lanka Rupees Five Hundred Thousand only).

17.2 Validity of Bid Security

The Bid Security shall be valid up to **25.07.2024** as per attached specified format.

Securities and Guarantees shall be irrevocable and unconditionally encashable upon the first written request from the Procuring Entity.

Only bid securities issued by a commercial bank operating in Sri Lanka with a valid licence issued by the monetary board of Sri Lanka are acceptable.

19.1 Pre-Bid meeting

A pre –bid meeting will be held at 1000 hrs. Local time on **20.03.2024** at the office of Engineering Manager, Ceylon Petroleum Storage Terminals Limited, Oil Installation, Kolonnawa. Subsequently, a site visit will be arranged.

All costs incurred in attending to this pre bid meeting and site visit will have to be borne by the Bidder.

21.2 (a) Employer's Address for Bid submission

Employer's address for the purpose of bid submission is the Office of the
**The Chairman, Department Procurement Committee (Minor),
 C/o Manager Procurement,
 Ceylon Petroleum Storage Terminals Limited,
 Procurement Function, New Building,
 Oil Installation, Kolonnawa, Wellampitiya.**

Postal Code : 10600

21.2 (b) Identification number of Contract

Identification Numbers of the Contract: KPR/32 B/2023

22.1 Deadline for submission of Bids

Deadline for submission of Bids: **1400 hrs. 28.03.2024**

25.1 Bid opening

Venue: **Office of Manager Procurement,
 Ceylon Petroleum Storage Terminals Limited,
 Procurement Function, New Building,
 Oil Installation, Kolonnawa,
 Wellampitiya.**

Time: **1400 hrs.**

Date: **28.03.2024**

31.1 Preference for Domestic Bidders

Not Applicable.

35.1 Amount of Performance Security

Performance Security acceptable to the Employer given in the Form for Performance Security given in the bidding document shall be a Guarantee obtained from a commercial bank operating in Sri Lanka with a valid licence issued by the monetary board of Sri Lanka.

The amount of Performance Security is **5%** of the Initial Contract Price, in the currencies and proportions in which the Contract Price is payable.

The Performance Security shall be valid until 28 days beyond the expected completion date of Defects Liability Period.

37 Dispute Adjudication

37.1 The Adjudicator proposed by the Employer is an Adjudicator selected from the pool of Adjudicators of Construction Industry Development Authority (CIDA).

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

SECTION – 3
CONDITIONS OF CONTRACT

Conditions of Contract shall be read in conjunction with the Section 4 – Contract Data, which shall take precedence over the Conditions of Contract.

CONDITIONS OF CONTRACT

Conditions of Contract that will be applicable for this Contract is that given in section- 3 of the Standard Bidding Document for Procurement of Works- Major Contracts, CIDA Publication No. CIDA/SBD/02, Second Edition, January 2007, Addendum 01 issued in October 2009, published by the Construction Industry Development Authority (CIDA) “Savsiripaya” 123, Wijerama Mawatha, Colombo 7.

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

Conditions of Contract shall be read in conjunction with the Section 4 – Contract Data, which shall take precedence over the Conditions of Contract.

SECTION – 4**CONTRACT DATA**

This section shall be read in conjunction with Section 3 – Condition of Contract, and is intended to provide specific information in relation to corresponding clauses in Section 3. Whenever there is a discrepancy, the provisions in Section 4 – Contact Data shall supersede those provided in the Section 3 - Condition of Contract.

CONTRACT DATA**Conditions
of
Contract
Clause
Number/s**

1.1.2.2 & 1.3	Employer's Name and Address	Chairman, Ceylon Petroleum Storage Terminals Limited, Oil Installation, Kolonnawa, Wellampitiya, Sri Lanka.	
1.3	Contractor's Name & Address:	Name:
		Address:
	
1.1.2.4 & 1.3	Engineer's name & Address	Name: Deputy General Manager (E & SS)	
		Address: Ceylon Petroleum Storage Terminals Limited, Oil Installation, Kolonnawa, Wellampitiya, Sri Lanka.	
1.1.3.3	Time for Completion of the Works	Time for completion of the whole works shall be One Hundred Twenty (120) Days	
1.1.3.7	Defects Notification Period	Defects Notification Period is Three Hundred Sixty-Five (365) Days	
2.1	Right of access to the Site	14 days after Letter of Acceptance	
4.2.1	Amount of Performance Security	<p>The amount of Performance Security is 5% of the Initial Contract Price, in the currencies and proportions in which the Contract Price is payable.</p> <p>Performance Security acceptable to the Employer given in the Form for Performance Security given in the bidding document shall be a Guarantee obtained from a commercial bank operating in Sri Lanka with a valid licence issued by the monetary board of Sri Lanka,</p> <p>The Performance Security shall be valid until 28 days beyond the expected completion date of Defects Liability Period.</p>	
4.8	Safety Procedure	<p>Special Safety Conditions</p> <p>i. Fire barriers to be erected and Fire blanket are to be laid before starting hot work at site where ever required.</p>	

- ii. The work/workers should conform to the Fire & Safety rules and regulations of CPSTL and they should wear safety belts when working at high elevations.
- iii. Before work of any nature is commenced in any area it is necessary to obtain excavation permits, safety certificates and if the work involves sparks or flames a hot work permit from the Fire & Safety Section of the CPSTL, Kolonnawa depending on nature of work. All precautions stipulated in these documents must be adhered by the contractor and his employees. If the work cannot be completed in the period for which these documents are valid, the work shall be discontinued until the documents have been renewed.
- iv. The CPSTL Kolonnawa Installation is security-restricted area and all contractor's personnel shall abide by the security regulations prevailing and those which might be enforced as and when necessary due to changed circumstances.
- v. All contractor's personnel and their vehicles will be required to obtain gate passes before enter in to the CPSTL Kolonnawa Installation. Safety clearances to be obtained before enter to the tank farm.
- vi. All contractor's personnel should possess valid police clearance certificate (Police Report) to obtain gate passes.
- vii. The contractor shall, except if and so far as the contract provides otherwise, indemnify the CPSTL against all losses and claims in respect of injuries or damage to any person or material or physical damage to any property whatsoever which may arise out of or in consequence of the execution of the works and against all claims, proceedings, damages, costs, charges and expenses whatsoever in respect of or in relation thereto except any compensation or damages for or with respect to:
 - a. the permanent use or occupation of land by the works or any part thereof;
 - b. the right of the CPSTL to execute the works or any part thereof on, over, under, in or through any land;
 - c. injuries or damage to persons or property resulting from any act or neglect of the CPSTL, his agent, servants or other Contractors, not being employed by the Contractor, or for or in respect of any claims proceedings, damages, costs, charges and expenses in respect thereof or in relation thereto or where the injury or damage was contributed to by the Contractor, his servants or agents such part of the compensation as may be just and equitable having regard to the extent of the responsibility of the Employer, his servants or agents or other contractors for the damage or injury.

6.4	Working Hours	<div><div><div>i.</div><div>Normal working hours of CPSTL from Monday to Friday is from 0730 hrs. to 1630 hrs.</div></div><div><div>ii.</div><div>In the work programme, contractor can consider Saturday and period from 1630 hrs to 1800 hrs on weekdays as a working period, for which the contractor is required to obtain prior permission since the offices are normally closed on Saturdays and after hours.</div></div><div><div>iii.</div><div>However, working on Statutory holidays, Sundays and after 1800 hrs. on working days will not be permitted.</div></div></div> <div>Provided always that provision of above (iii) shall not be applicable in case of any work which is customary to carry out, outside normal working hours.</div>																																																				
8.7	Liquidated damages for the Works	0.2% of the Initial Contract Price per day																																																				
8.7	Maximum amount of liquidated damages	10% of the Initial Contract Price																																																				
12.2 (b)	Method of Measurement	Sri Lanka Standard 573: 1999 UDC 69(08374)																																																				
13.4(b)	Percentage for Adjustment of Provisional Sums	Not applicable																																																				
13.7	Weightings of Inputs	<table><tr><th>No.</th><th>CIDA No.</th><th>Name of Input</th><th>Contribution %</th></tr><tr><td>1</td><td>L1</td><td>Skilled Labour</td><td>4.27%</td></tr><tr><td>2</td><td>L3</td><td>Unskilled Labour</td><td>5.56%</td></tr><tr><td>3</td><td>M8</td><td>Sand</td><td>27.48%</td></tr><tr><td>4</td><td>M48</td><td>Aggregate Base Course</td><td>16.10%</td></tr><tr><td>5</td><td>M13</td><td>Reinforcement Steel</td><td>14.90%</td></tr><tr><td>6</td><td>M39</td><td>Ready Mixed Concrete</td><td>10.84%</td></tr><tr><td>7</td><td>M3</td><td>Cement</td><td>2.05%</td></tr><tr><td>8</td><td>M21</td><td>Formwork Timber</td><td>0.73%</td></tr><tr><td>9</td><td>P1</td><td>Small Equipment</td><td>1.56%</td></tr><tr><td>10</td><td>P2</td><td>Heavy Equipment</td><td>4.77%</td></tr><tr><td>11</td><td>P3</td><td>Fuel</td><td>1.74%</td></tr><tr><td></td><td></td><td>TOTAL</td><td>90.00%</td></tr></table>	No.	CIDA No.	Name of Input	Contribution %	1	L1	Skilled Labour	4.27%	2	L3	Unskilled Labour	5.56%	3	M8	Sand	27.48%	4	M48	Aggregate Base Course	16.10%	5	M13	Reinforcement Steel	14.90%	6	M39	Ready Mixed Concrete	10.84%	7	M3	Cement	2.05%	8	M21	Formwork Timber	0.73%	9	P1	Small Equipment	1.56%	10	P2	Heavy Equipment	4.77%	11	P3	Fuel	1.74%			TOTAL	90.00%
No.	CIDA No.	Name of Input	Contribution %																																																			
1	L1	Skilled Labour	4.27%																																																			
2	L3	Unskilled Labour	5.56%																																																			
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6	M39	Ready Mixed Concrete	10.84%																																																			
7	M3	Cement	2.05%																																																			
8	M21	Formwork Timber	0.73%																																																			
9	P1	Small Equipment	1.56%																																																			
10	P2	Heavy Equipment	4.77%																																																			
11	P3	Fuel	1.74%																																																			
		TOTAL	90.00%																																																			
		<div>Nonadjustable elements shall be</div> <div>A1, A2, A3, A4, A5, G1 and H1</div>																																																				
14.2	Total Advance	20 % of the Initial Contract Price excluding Provisional Sums & Contingencies.																																																				

	Payment	The advance payment securities issued by a commercial bank operating in Sri Lanka with a valid licence issued by the monetary board of Sri Lanka are acceptable.
14.2	Number and timing of instalment for Advance Payment	20% of Initial Contract Price, will be paid in two equal instalments. Stage 1- The first ten percent (10%) of Initial Contract Price will be paid within 14 days from receipt of both Performance Security and Advance Payment Securities as required under clause 4.2 and 14.2 respectively. Stage II- Balance ten percent (10%) of Initial Contract Price will be paid after successfully mobilization at the site after receipt of mobilization Advance Payment Securities.
14.3(c)	Percentage of Retention	10% of certified value of works
14.3(c)	Limit of Retention	5% of the Initial Contract Price
14.4	Plant & Material Intended for the works	Interim Payment Certificates shall include, under sub-paragraph (e) of Sub-Clause 14.3 (Application for Interim Payment Certificate), an amount equivalent to 80% of the invoiced value of Materials which have been delivered to the Site for incorporation in the Permanent Works.
14.5	Minimum amount of interim payment certificates	LKR 5 million
14.6	Payment	All payments will be made only in LKR.
14.8	Alternative method for Payment of Retention	Not applicable
18.1 (a)	Insurance for Works	For an amount not less than 115% of Initial Contract Price.
18.1 (b)	Insurance for Contractor's Equipment	Contractor's responsibility
18.2	Third Party Insurance (including Employer's Property)	Insurance cover to the amount of LKR 20 Million for the entire period of construction work. The contractor shall take special measures to safeguard the adjacent storage tanks and allied facilities at the site.
18.3	Insurance for Contractor's Personnel	A copy of insurance policy for the workmen of the contractor as per the Workmen Compensation Act shall be forwarded to CPSTL prior to commencement of the work.

SECTION 5

STANDARD FORMS (CONTRACT)

- **FORM OF LETTER OF ACCEPTANCE**
- **FORM OF AGREEMENT**
- **FORM OF PERFORMANCE SECURITY**
- **FORM OF ADVANCE PAYMENT SECURITY**

Notes on Standard Forms (Contract):

Bidders should not complete the Form of Agreement at the time of preparing 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 preparation 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
[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.

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

The Commencement date shall be: (fill the date as per Clause 8.1 of Conditions of Contract).

The amount of Performance Security is:..... (fill the amount as per Clause 4.2 of Conditions of Contract).

The Performance Security shall be submitted on or before(fill the date as per Clause 4.2 of Conditions of Contract).

Authorized Signature :

Name and title of Signatory :

FORM OF AGREEMENT

This Agreement made the[day] of [month] 20.....[year], between **Chairman, Ceylon Petroleum Storage Terminals Limited, Oil Installation, Kolonnawa, Wellampitiya**[name and address of Employer] (hereinafter called and referred to as “the Employer”), of the one part, and [name and address of Contractor] (hereinafter called and referred to as “the Contractor”), of the other part:

Whereas the Employer desires that the Contractor execute [name and identification no of Contract] (hereinafter called and referred to as “the Works”) and the Employer has accepted the Bid by the Contractor for the execution and completion of such Works and remedying of any defects therein.

The Employer and the Contractor agree as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Contract.
2. In consideration of the payments to be made by the Employer to the Contractor as indicated in this Agreement, 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 execute and complete the Works and remedy any defects therein, 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 hereto have caused this Agreement to be executed the day and year aforementioned in accordance with laws of Sri Lanka.

.....
Authorised signature of Contractor

.....
Authorised signature of Employer

COMMON SEAL

COMMON SEAL

In the presence of
Witnesses :

Name and NIC No.

Signature

Address

.....

Name and NIC No.

Signature

Address

.....

FORM OF PERFORMANCE SECURITY
(Unconditional)

.....[Issuing Agency's Name and
Address of Issuing branch or Office]

Beneficiary: Ceylon Petroleum Storage Terminals limited

Date:.....

PERFORMANCE GUARANTEE No:.....

We have been informed that
.....[Name of Contractor](Hereinafter called "The Contractor") has entered into
Contract No. [Reference number of the contract] dated
..... with you, for the
.....(insert "Construction") of
..... (Name of Contract and
brief description) (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 theday of 20.....[insert date,28 days
beyond the time of completion] and any demand for payment under it must be received by us at
this office on or before that date.

[Signature(s)]

FORM OF ADVANCE PAYMENT SECURITY

..... [Name and address of Agency, and Address of Issued branch or Office]

Beneficiary: Ceylon Petroleum Storage Terminals limited

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 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 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 Time of Completion)

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

[Signature(s)]

SECTION – 6

SPECIFICATIONS

Specifications

6.1 Scope of Works

The scope of work of the Contractor is defined in general and shall include the following, but not limited to the same. The bidder shall also carry out all the related work that are not listed in this document, but required for completion of the entire work as specified in this Bidding Document.

- 6.1.1** The Contractor shall check the proposed works and structural rigidity for suitability of the proposed methods for the Work. Such suitability to be informed to CPSTL in writing before commencement of the work as the contractor is responsible for the total work to be done.
- 6.1.2** The Contractor shall carry out the project planning considering that all works shall be attended while operations are going on and with minimum impact to the operation in the Kolonnawa Installation.
- 6.1.3** The Contractor shall submit project time schedule, manpower schedule, equipment schedule and cash flow schedule (including S-curves using MS Project).
- 6.1.4** The Contractor shall prepare temporary access roads (if necessary) as directed by the Engineer.
- 6.1.5** The Contractor shall erect temporary fire barriers and fire blankets as required for a petroleum terminal in order to protect the surrounding piping, other tanks and pump houses in service.
- 6.1.6** The Contractor shall carry out the procurement of all materials, equipment, machinery, tools, consumables, etc., necessary for proposed works. Loading, handling and transportation of all materials from supply point / store at work site / Contractor's store as per the requirement of the project.
- The Contractor shall obtain written approval for all materials from the Engineer before placement of the orders.
- 6.1.7** The Contractor must submit all relevant drawings, calculations, and method statements of total work as requested by the Engineer to obtain prior approval.
- 6.1.8** The Contractor shall carry out urgent protection works for incomplete tank foundations as follows.

Tank No.	Works to be attended for protection
Tank-B	<ul style="list-style-type: none"> Formwork and concreting of ring beam. Reinforcement and balance concrete work of drain wall. Sand filling as required.
Tank-C	<ul style="list-style-type: none"> Temporary concrete covering for exposed reinforcement of piles.
Tank-D	<ul style="list-style-type: none"> Surface quality rectification in ring beam.

Tank-G	<ul style="list-style-type: none"> • Construction of ring beam foundation. • Earth filling, balance ABC filling and Sand filling as required.
Tank-H	<ul style="list-style-type: none"> • Balance small amount of Concrete work. • Earth filling, balance ABC filling and Sand filling as required.

6.1.9 The Contractor shall carry out all relevant tests as per the specifications.

6.1.10 The Contractor shall attend site cleaning, removal of temporary site offices and facilities.

6.1.11 The Contractor shall provide quality assurance plan to obtain prior approval from the Engineer. The Contractor shall maintain Quality Assurance records and these records shall be given to Engineer upon completion of each job.

6.2 Scope of Supply by CPSTL

Construction Utilities

6.2.1 Electricity and drinking water can be supplied to the contractor to undertake this work. The prospective contractor is required to indicate his requirements of electrical power and water from the CPSTL in his offer for evaluation purposes.

6.2.2 The maximum available electrical power supply available to the contractor is 45kVA, 400V AC, 4 wire (TPN), 50Hz and will be subjected to following 05 conditions.

- i. Electrical power supply will be provided by CPSTL on the request of the Contractor and charge according to the applicable tariff system, or the Contractor shall have to arrange his own power source.
- ii. The Electrical Section of CPSTL will provide terminating point to feeding cables through a suitable circuit isolating and interrupting devices such as a circuit breaker or a switch fuse at convenient location, within 150 m from the tank shell. This switch gears will remain the property of CPSTL and contractor has no access to it.
- iii. The maximum load that the CPSTL electrical section can feed will be 63A, 3 Phases.
- iv. Power supply will be energized after inspection by the Electrical Engineer of CPSTL provided all requirements in follows are satisfied.
 - i. Contractor shall use his own feeder cables and temporary power distribution board sufficiently rated to power the equipment and machinery used at site, conforming to CEB regulations in consultation / supervision of Electrical Engineer of CPSTL.
 - ii. Contractor's power distribution board should consist of adequate over current and earth leakage protective devices for safety of men and machinery.
 - iii. Contractor shall install the feeder cables from the metering point up to the temporary power distribution board as per the instruction & approval of the CPSTL Electrical Engineer.

- iv. It is the responsibility of the contractor to maintain his switch gear and cable network in good condition, so as to provide, complete safety to men and machinery.
 - v. All portable electrical appliances used inside the tank shall be at low voltage, 110V, 1 Phase and should be fed through a center earthed transformer.
 - vi. The whole electrical installation of the contractor should conform to IEE wiring regulations (16th Edition) published by the Institution of Electrical Engineers (I.E.E), London.
- v. CPSTL will reserve the right to disconnect the power supply to the Contractor without prior notice, if any of the foresaid conditions are violated.
- 6.2.3** Water supply will be provided by CPSTL on the request of the Contractor and charge according to the meter.
- 6.2.4** Water for tank hydro test will be provided by CPSTL on the request of the Contractor and the Contractor shall provide necessary pumping, piping, manifolds etc.

6.3 Site Conditions

- 6.3.1 The Bidder is responsible for its own investigations to establish sufficient and accurate information for all works. The Bidder shall visit the proposed site and shall ascertain the nature and location thereof and all conditions which may affect construction works.
- 6.3.2 The Bidder shall make its own assessment of any and all of the information provided in this bidding document and collect own information. CPSTL is not responsible for the accuracy or completeness of any such information.

6.4 General Specifications

6.4.1 Permits, Licenses and Consents

It is the sole responsibility of the Contractor to identify, to obtain, to complete, and maintain any permits and any other consent, licenses and approvals that are required for constructions. CPSTL will co-ordinate with the Contractor in identifying, applying, and processing such permits, consents, licenses and approvals.

6.4.2 Material Properties

- i. Materials selected by the Bidder shall be proven adequate and sufficient for the completion of the construction work.
- ii. The Contractor shall carefully consider all corrosion and erosion possibilities subject to the environment of the Site and nearby facilities.
- iii. Where materials are specified in any part of the Employers Requirements, those materials are to be considered as minimum requirement.

6.4.3 Codes and Standards

The Bidder shall ensure that the engineering, design, construction, testing, etc. of tank foundations, are according to Government and Local Authority Requirements, International Codes, Latest revisions of the following codes shall be governed.

Document Title	Document Number
BS Structural use of concrete	BS 8110: Part 1 : 1985
BS Structural use of Steel work	BS 5950 – 1: 2000
Code of Practice for Foundation	BS 8004
Design loads for buildings	BS 6399: Part I
Code of Practice for Earth retaining structures	BS 8002
Design of buildings for high winds in Sri Lanka – July 1980	CP3 Chapter V- Part2:1972[2]
Applicable codes and Standards published by National Fire Protection Association (NFPA)	NFPA 11, NFPA 15, NFPA 20, NFPA 30
Specification for bored and cast in-situ reinforced concrete piles, 1st Edition-March 2016.	CIDA/SP/101
Specifications for Building Works (Vol. I) – [3rd Edition (Revised) – July 2004]	SCA/4/I
Specifications for Building Works (Vol. II) – [2nd Edition (Revised) – October 2001]	SCA/4/II
Standard Specifications for Construction and Maintenance of Roads and Bridges [2nd Edition – June 2009]	SCA/5
Specifications for Irrigation & Land Drainage – [1st Edition – January 2017]	CIDA/SP/102
Specifications for Water Supply Sewerage & Storm Water Drainage - [2nd Edition (Revised)– April 2002]	SCA/3/2

It is implied that the eligible Bidders are fully acquainted with the above Documents and therefore, those will not be issued to the Bidders with this Bidding Document. However, Bidders may purchase the same if necessary, from CIDA, Savsiripaya, 123, Wijerama Mawatha, Colombo 7, Sri Lanka or other relevant organisations.

In case of any conflict between the codes and standards, the following order of precedence shall govern: -

- i. Local laws (Sri Lankan Authorities)
- ii. CPSTL Specifications and Guidelines
- iii. International Codes and Standards

6.5 Technical Specifications

6.5.1 Site Clearing

The construction site and tank compound area shall be cleared by removing vegetation, debris, excess soil etc. before commencement & after completion of work.

6.5.2 Construction of Temporary Access Road

Construction of temporary access road as directed by the Engineer. This will include rerouting of exiting fire water pipes, make temporary opening in the existing dike wall, removal of obstructions, construction of temporary ramps etc.

6.5.3 Construction of Fire Barriers

Erection of temporary fire barriers and fire blankets in order to protect the surrounding piping, nearby tanks and pump houses in operation. This should be complied with the fire and safety regulations of the CPSTL.

Erection of temporary dust barriers and curtain walls during sand blasting and painting in order to protect the surrounding properties.

6.5.4 Construction of Foundations

6.5.4.1 Site Clearing

The construction site shall be cleared by removing of vegetation, removing of debris, removing of top soil, removing of used materials etc., where applicable, before commencement of works. The debris shall be transport to the outside of CPSTL premises and contractor shall handover the usable materials to CPSTL Stores as directed by the Engineer.

6.5.4.2 Concrete structures

i. Concrete Mixes

Concrete mixes shall conform to Grade 30 of BS 5328, SCA/4/I and SCA/4/II or equivalent.

ii. Steel Reinforcement

Steel reinforcement shall conform to BS 4449, SCA/4/I and SCA/4/II or equivalent.

iii. Form work

Form Work shall conform to SCA/4/I and SCA/4/II or equivalent. If plywood boards are used, the boards shall be film faced and new plywood. The curvature shall be maintained using steel frame work.

6.5.4.3 Sand Layer

Lay 500mm thick layer of sand using river sand on raft slab as instructed by the Engineer. The layer to be graded to suit the slope of the bottom plates.

6.5.4.4 Laying of Sand Tar mixture

Lay 100mm thick layer of sand tar mixture using river sand mixed with hot bitumen (80%-100% penetration grade) and percentage of bitumen used should be 5% by weight of sand. The mix to be laid hot and compacted as instructed by the Engineer. The layer to be graded to suit the slope of the bottom plates.

6.5.5 Testing

- 6.5.5.1 The Contractor shall carry out required testing and inspection to determine the integrity and strength of tank foundation as required.
- 6.5.5.2 The Contractor shall carry out field density and Dynamic Cone Penetration (DCP) test in order to ensure the compaction of ABC layer.

6.5.6 Technical documents and information**6.5.6.1 Documentation to be submitted after Award of Contract**

The following describes the minimum scope of information, documents, drawings, etc. to be submitted by the Contractor to the Employer after award of contract during the site construction. The Employer reserves the right to request from the Contractor such additional information, drawings, documents, etc. as may be reasonably required for proper understanding and definition of the project.

The Contractor shall provide softcopies and two (2) hard copies of all drawings, documentation and as-built drawings/documentation to be submitted by him.

Monthly progress reports shall be provided by no later than ten (10) days after the last day of each month.

Any revision of the project implementation schedule shall not be delivered later than fourteen (14) days after such revision.

6.5.6.2 Documentation to be submitted prior to Site Construction

All documents and permits required for site construction shall be submitted prior to site construction.

6.5.6.3 Documentation to be submitted during Site Construction

The following documents shall be submitted during site construction:

- i. It is to be noted that for all major works not only in the site, but also for those works, which are located within CPSTL areas or related to facilities of such entities a method statement for the proposed works is to be included in the permit to work application along with the approved design review documentation at and specifics of the construction works and any associated risk evaluation for the relevant owner.
- ii. CPSTL will coordinate all temporary building permits or the no-objection certificates, as applicable, issued by the various departments or other relevant Governmental Authority to the Contractor in accordance with applicable Law, and all related permits, consents and approvals related to the construction of Project.
- iii. The Contractor shall submit to the Engineer drawings, diagrams, graphs, curves, calculations, schedules for information, review or approval as described in the Contract. The quality of all documents submitted shall conform to acceptable international practice.
- iv. The Contractor shall provide the calibration certificates of all calibrated equipment to the CPSTL.
- v. Monthly progress brief reports - by no later than one (1) week after the last day of each month including S-curves showing the work progress. The minimum information shall be:

- a. Engineering activities
- b. Component and material purchase and receipt status
- c. Construction activities
- d. HSE
- e. Trainings executed
- f. Incidents
- g. Accidents
- h. Personal on site
- i. Number of staff
- j. Number of local staff
- k. 4-week look ahead schedule
- l. Recommendations for improvement
- m. Project graphs
- n. Layout drawings which shall show the work status
- o. S-curves which shall show on a monthly base the status of the works (planned and actual as well as cumulated) for the project.

6.5.6.4 Final Documentation

The Contractor shall deliver to the CPSTL the final documentation, both in digital and hard copies (2x). The final documentation shall comprise at least the following:

- i. The above mentioned documents
- ii. All As-built drawings
- iii. Site safety procedures
- iv. HSE procedure and plan
- v. Key list and site access contacts
- vi. Components data sheets
- vii. Studies and tests (tests, geological / geotechnical analysis, static calculation wherever applicable)

SECTION -07

FORM OF BID

FORM OF BID

Name of Contract: **Protection works of Foundations of proposed 6 Nos. Storage Tanks at Kolonnawa Installation – Stage 1**

To: **Chairman
Ceylon Petroleum Storage Terminals Limited,
Oil Installation,
Kolonnawa, Wellampitiya.**

Gentlemen:

1. Having examined the Standard Bidding Document - Procurement of Works – Major Contracts [ICTAD/SBD/02 - 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 Nos.....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 soon as is reasonably possible after the receipt of the Engineer's notice to commence, and to complete the whole of the Works comprised in the Contract within the time stated in the Contract Data.
4. We agree to abide by this Bid until the date specified in ITB Clause 16.1 and it shall remain binding upon us and may be accepted at any time before that date.
5. Unless and until a formal Agreement is prepared and executed this Bid, together with your written acceptance thereof, shall constitute a binding Contract between us.
6. We understand that you are not bound to accept the lowest or any bid you may receive.
7. We certify/confirm that we comply with the requirements as per ITB Clause 3 and 4 of the bidding documents.

Dated this day of.....20.....

Signature in the capacity of

duly authorized to sign bids for and on behalf of
..... *[in block capitals or typed]*

Name :

Designation:

Address:

Witness:

SECTION- 8
BILL OF QUANTITIES

PREAMBLE TO THE BILL OF QUANTITIES

It is the Bidder's responsibility to see that the prices include for complying with all the requirements of the other documents whether specifically referred to in Bill of Quantities.

The Bidder is advised to visit the site of the proposed work and it is the responsibility of the Bidder to ascertain the conditions governing access to the site, the extent of working space storage area etc.

1. This Bill of Quantities contains pages numbered from 40 to 46. Bidders are requested to see that no page is missing, no duplicate and that all TRADES are carried to SUMMARY at the end of the Bill of Quantities.
2. The Conditions of Contract, the Specifications and the Drawings are to be read in conjunction with the Bill of Quantities.
3. The cost of complying with all conditions, obligations and liabilities described in the Conditions of Contract, Specifications and the Bill of Quantities including all overhead charges and profit in carrying out the work as shown on the Drawings shall be deemed to be spread over and included in the prices of sums stated by the Bidder in the Bill of Quantities unless separately measured.
4. If the Bidder fails to price any items in the Bill of Quantities, then the cost of the work under such items shall be held to be spread over and included in the prices given against other items of work.
5. The quantities set out in the Bill of Quantities are provisional and cover the approximate scope of the work anticipated to be performed by the Contractor. The actual quantities used for final measurement purposes will be determined by the Engineer by measurement of the work completed by the Contractor.
6. Where trade names, brands and or Catalogue Numbers are referred to, sole preference to any material or equipment is not intended. Any other material or equipment may be used, provided that the characteristics of type, quality, appearance, finish, method of construction and / or performance is superior to the specified.
7. Whenever the method of measurement is not clear from the documents available, the principles as given in the Sri Lanka Standard 573: 1999 UDC 69(08374) shall be applicable.
8. Selected Bidder shall comply with the arrangement of work and be ready to work part by part as required by the Authorities of the Employer if applicable.
9. The unit and lump sum prices of the Bill of Quantities (referred to as the Contract Rates) shall, except in so far as is otherwise provided for under the Contract, be deemed to cover all obligations set out in the Contract, and all matters or things necessary for the proper completion and maintenance of the Works, and shall be fixed and binding upon the Contractor.
10. Unit prices when applied to the quantity of work performed under the Contract shall, and other sums specifically determined under the provisions of the Contract, constitute full remuneration to the Contractor under the Contract.
11. Each item shall be priced by the Bidder only in Sri Lanka Rupees.

12. Rates for items in this Bill of Quantities shall be inclusive for hauling, transporting, loading, unloading, spreading, heaping, supporting, scaffolding, welding, and for laps, unless otherwise specifically stated.
13. Unless otherwise specifically stated in Bill of Quantities or herein, the following shall be deemed to be included with all items:-
- i. Labour and all costs in connection therewith.
 - ii. Materials, goods and all costs in connection therewith.
 - iii. Tools, plants, equipment, machinery and all costs in connection therewith.
 - iv. Waste of materials.
 - v. Protecting and clearing.
 - vi. Square cutting.
 - vii. Establishment charges, overhead charges and profit.
 - viii. All setting out works.
 - ix. For providing of method statements, calculations, proposals by Contractor, shop drawings and as built drawings.
 - x. The rate for each item shall also include for all the following.
 - a. Complying with regulations of the Municipal Council and/or any other relevant authority under which particular item of work is to be executed unless otherwise included in the preliminaries.
 - b. Plant and equipment unless and otherwise included in preliminaries.
 - c. In addition to above, the rate for item of work in substructure shall include for the works at depth extending below ground water table where applicable including excavation under water, removal and disposal of mud, sand and preparation of place to a condition suitable for proper execution of the work.
14. If Bidders are anticipating to give any discount, it shall be marked separately in the space allocated in the summary of Bill of Quantities. Provisional Sums shall not be considered when calculating discount.
15. All materials, equipment supplied shall be new, unused without any defects.
16. All materials used in the Works shall be of the best quality of their respective kinds as specified and shall be obtained from sources and suppliers approved by the Engineer and shall comply strictly with the tests prescribed or, Where tests are not laid down in this Specification, with the requirements of the latest issue of the relevant British Standards or other Standards approved by the Engineer.
17. Metric units are used throughout the Bill of Quantities for measurement purposes unless otherwise indicated. Abbreviations used in the Contract are as follows:-
- | | | |
|----------------|---|-------------------|
| L.S. | - | Lump Sum |
| P.S. | - | Provisional Sum |
| m | - | Metre |
| m ² | - | Square metre |
| m ³ | - | Cubic metre |
| kg | - | kilograms |
| nr | - | Numbers |
| LKR | - | Sri Lankan Rupees |
| USD | - | US Dollars |

BILL OF QUANTITIES**JOB: PROTECTION WORKS OF FOUNDATIONS OF PROPOSED 6 NOS. STORAGE TANKS AT KOLONNAWA INSTALLATION – STAGE 1****BOQ No: E/20/2023**

ITEM	DESCRIPTION	UNIT	QTY	RATE Rs. Cts.	AMOUNT Rs. Cts.
	PRELIMINARIES				
	Contractor shall remove all existing temporary structures and hand over all usable materials to the Engineer before construct his own temporary facilities, structures etc.				
A1	Allow lump sum for cleaning site before starting construction works, including removal of existing structures, temporary buildings, all rubbish, debris etc.	Item	Allow		
A2	Removing and stacking temporary facilities, concrete blocks, steel sheets, steel sections, reinforcement steel, casings, machineries, equipment and other remaining goods at site before starting construction works.	Item	Allow		
A3	Allow lump sum for mobilization and demobilization for civil works.	Item	Allow		
A4	Allow lump sum for Erection of temporary fire barriers and fire blankets between new tanks and other existing tanks and other facilities for construction in order to protect the surrounding piping and tanks in service.	Item	Allow		
A5	Allow lump sum for cleaning site on completion of works, including removal of all rubbish and debris and leaving the site, clean internally and externally.	Item	Allow		
	SUB TOTAL CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE Rs. Cts.	AMOUNT Rs. Cts.
	CONSTRUCTION OF FOUNDATION TANK B				
	<u>Earth Works</u>				
B1	River sand filling to top of raft foundation, compact with 100mm layers, fill up to 500 - 600mm average depth.	m ³	540		
	<u>Concrete</u>				
B2	Balance concreting for raft foundation, raft slab, periphery/ drain walls (forming drain) with Grade C30 concrete.	m ³	25		
B3	Concreting on drain bottom to make slope with Grade C15 chip concrete.	m ³	4		
	<u>Formwork</u>				
B4	Curved formwork for sides on raft foundation for periphery/ drain walls (forming drain), radius 19m.	m ²	145		
	<u>Reinforcement</u>				
B5	Reinforcement for periphery/ drain wall, high yield steel horizontal and vertical bars.	kg	300		
	<u>Miscellaneous</u>				
B6	Supply and installation of drain out pipe with all accessories, connections etc.	Item	Allow		
	SUB TOTAL CARRIED TO SUMMARY				
	CONSTRUCTION OF FOUNDATION TANK C				
	<u>Earth Works</u>				
C1	Imported earth filling to level the site around tank area.	m ³	100		
C2	Levelling site after completion of tank foundation construction by spreading and levelling of available soil.	Item	Allow		

ITEM	DESCRIPTION	UNIT	QTY	RATE Rs. Cts.	AMOUNT Rs. Cts.
C3	<u>Concrete</u> Covering pile reinforcement with Grade C15 concrete including straightening reinforcement bars and steel formwork.	m ³	50		
	SUB TOTAL CARRIED TO SUMMARY				
	CONSTRUCTION OF FOUNDATION TANK D				
D1	<u>Earth Works</u> Imported earth filling to level the site around tank area.	m ³	100		
D2	<u>Concrete</u> Balance concrete of ring beam foundation with Grade C30 concrete.	m ³	2		
D3	Levelling site after completion of tank foundation construction with imported earth.	Item	Allow		
	SUB TOTAL CARRIED TO SUMMARY				
	CONSTRUCTION OF FOUNDATION TANK G				
G1	<u>Removing Works</u> Removing and cleaning of reinforcement and formwork of ring beam foundation and disposal of surplus within CPSTL premises as directed by the Engineer. Steel and usable material shall be handed over to CPSTL.	Item	Allow		
G2	<u>Earth Works</u> Imported earth filling to level the site around tank area before start construction.	m ³	125		
G3	Supplying ,furnishing, placing and compacting graded aggregate base (ABC) material to a minimum thickness of 300mm above ring beam base level as per the specifications and directed by the Engineer.	m ³	720		

ITEM	DESCRIPTION	UNIT	QTY	RATE Rs. Cts.	AMOUNT Rs. Cts.
G4	River sand filling to top of raft foundation, compact with 100mm layers, fill up to 300 - 400mm average depth.	m ³	160		
G5	Levelling site after completion of tank foundation construction with imported earth.	Item	Allow		
	<u>Concrete</u>				
G6	Concreting for ring beam base and wall with Grade C30 concrete.	m ³	70		
G7	Concreting for drain base and drain wall with Grade C30 concrete.	m ³	12		
G8	Concreting on drain bottom to make slope with Grade C15 chip concrete.	m ³	3		
	<u>Formwork</u>				
G9	Curved formwork for sides of ring beam base and wall.	m ²	255		
G10	Curved formwork for sides of drain base and wall	m ²	75		
	<u>Reinforcement</u>				
G11	Reinforcement for ring beam base and wall, high yield steel horizontal bars.	kg	6800		
G12	Reinforcement for drain base and drain wall, high yield steel horizontal and vertical bars.	kg	2000		
	<u>Miscellaneous</u>				
G13	Supply and installation of drain out pipe with all accessories, connections etc.	Item	Allow		
	SUB TOTAL CARRIED TO SUMMARY				
	CONSTRUCTION OF FOUNDATION TANK H				
	<u>Removing Works</u>				
H1	Removing and cleaning of reinforcement and formwork of ring beam foundation and disposal of surplus within CPSTL premises as directed by the Engineer. Steel and usable material shall be handed over to CPSTL.	Item	Allow		

ITEM	DESCRIPTION	UNIT	QTY	RATE Rs. Cts.	AMOUNT Rs. Cts.
	<u>Earth Works</u>				
H2	Imported earth filling to level the site around tank area.	m ³	125		
H3	- Supplying ,furnishing, placing and compacting graded aggregate base (ABC) material to a minimum thickness of 300mm above ring beam base level as per the specifications and directed by the Engineer.	m ³	720		
H4	- River sand filling to top of raft foundation, compact with 100mm layers, fill up to 300 - 400mm average depth.	m ³	160		
H5	Levelling site after completion of tank foundation construction with imported earth.	Item	Allow		
	<u>Concrete</u>				
H6	Balance concrete of ring beam foundation with Grade C30 concrete.	m ³	2		
H7	Concreting on drain bottom to make slope with Grade C15 chip concrete.	m ³	3		
	<u>Formwork</u>				
H8	Curved formwork for sides of ring beam foundation	m ²	2		
	<u>Miscellaneous</u>				
H9	Supply and installation of drain out pipe with all accessories, connections etc.	Item	Allow		
	SUB TOTAL CARRIED TO SUMMARY				

ITEM	DESCRIPTION	AMOUNT
A	PRELIMINARIES	
B	CONSTRUCTION OF FOUNDATION TANK B	LKR
C	CONSTRUCTION OF FOUNDATION TANK C	LKR
D	CONSTRUCTION OF FOUNDATION TANK D	LKR
G	CONSTRUCTION OF FOUNDATION TANK G	LKR
H	CONSTRUCTION OF FOUNDATION TANK H	LKR
	Sub Total I	LKR
	Less discount if any	LKR
	Sub Total II	LKR
	Add SSCL 2.5% (if applicabale)	LKR
	Sub Total III (Carried to form of bid)	LKR
	Add 18% VAT	LKR
	GRAND TOTAL WITH TAXES	LKR

Total amount in words (LKR):-

.....

.....

VAT Amount :-

.....

VAT registration no :-

.....

Name of Bidder :-

.....

Address :-

.....
.....

Contact No. :-

.....

email :-

.....

.....

Date

.....

Signature & Seal
of the Bidder

Witness :.....

Witness :.....

Name :.....

Name :.....

Address :.....

Address :.....

N.I.C. No :.....

N.I.C. No :.....

SECTION – 9

SCHEDULES

SCHEDULES

Schedule 1 – General Information			
<p>(i) If pre-qualification is done the bidders are required to include information subsequent to that submitted with the pre-qualification application.</p> <p>(ii) For joint ventures, each joint venture partner shall furnish information separately.</p>			
ITB Clause reference	Description	Information (to be filled by the bidder)	Remarks
	ICTAD Registration		Provide certified copies and label as attachment to clause 3.1
	Registration Number		
	Grade		
	Specialty		
	Expiry Date		
	NCASL Membership		Provide certified copies and label as attachment to clause 3.2
	Number		
	Expiry Date		
	Legal Status		Provide certified copies of Registration
	Written Power of attorney of the signatory to the Bid	Provide original or certified copy of the power of attorney attested by a Notary and label as attachment to clause 4.1(a)	
	If a Joint Venture, names and addresses of Joint Venture Partner	1. 2. 3.	Provide a draft copy of the Joint Venture Agreement or alternatively the memorandum of understanding
	If a Joint Venture, Name of Lead Partner		
	For joint ventures, each joint venture partner shall furnish Legal Status separately		
	(Lead Partner)		Provide certified copies and label as attachment to clause 4.1(a)
	Legal Status		
	Place of registration		
	Principal place of business		
	Written Power of attorney of the signatory to the Bid	Provide original or certified copy of the power of attorney attested by a Notary and label as attachment to clause 4.1(a)	

Schedule 1– General Information continued

	If a Joint Venture, names and addresses of Joint Venture Partner	1. 2. 3.	Provide a draft copy of the Joint Venture Agreement or alternatively the memorandum of understanding
	If a Joint Venture, Name of Lead Partner		
	For joint ventures, each joint venture partner shall furnish Legal Status separately		
	(Partner 2)		Provide certified copies and label as attachment to clause 4.1(a)
	Legal Status		
	Place of registration		
	Principal place of business		
	Written Power of attorney of the signatory to the Bid	Provide original or certified copy of the power of attorney attested by a Notary and label as attachment to clause 4.1(a)	
	VAT Registration Number		
	Name (Partner 3)		Provide certified copies and label as attachment to clause 4.1(a)
	Legal Status		
	Place of registration		
	Principal place of business		
	Written Power of attorney of the signatory to the Bid	Provide original or certified copy of the power of attorney attested by a Notary and label as attachment to clause 4.1(a)	
	VAT Registration Number		

Schedule 2 – Annual Turn-over Information

- (i) If pre-qualification is done the bidders are required to include information subsequent to that submitted with the pre-qualification application.
- (ii) For joint ventures, each joint venture partner shall furnish information separately.

Year	Turn-over	Remarks
2017 / 2018		Attach audited reports and label as attachment to clause 4.2
2018 / 2019		
2019 / 2020		
2020 / 2021		
2021 / 2022		
Average		

Schedule 3 – Adequacy of Working Capital

If pre-qualification is done the bidders are required to include information subsequent to that submitted with the pre-qualification application.

Source of credit line	Amount	Remarks
		Provide documentary evidence and label as attachment to clause 4.2

Schedule 4 – Construction Experience in last ten years

- (i) If pre-qualification is done the bidders are required to include information Subsequent to that submitted with the pre-qualification application.
- (ii) For joint ventures, each joint venture partner shall furnish information separately.

Year	Employer	Description of Works	Amount	Contractor's Responsibility (%)

- Provide documentary evidence and label as attachment to Clause 4.2

Schedule 5 – Major Items of Construction Equipment Proposed

Type	Capacity

Schedule 6 – Construction Management Staff (Contract Managers/Technical Staff)			
A. Key Personnel / Professionals			
	Name	Position	Task
Managerial	1.		
	2.		
	3.		
Technical	1.		
	2.		
	3.		
B. Support Staff			
	Name	Position	Task
	1.		
	2.		
	3.		
	4.		
	5.		

[illegible]

Full Time:-----

Full Time:-----

[illegible]

SCHEDULE FOR DAY WORKS**SCHEDULE A- LABOUR**

Any labour engaged on Day work shall be paid at the rates given below. Contractor's profit and overheads should not be included in the rates.

No.	Category	Gross Daily Wages LKR
1	Skilled labour	
2	Semi-skilled labour	
3	Unskilled labour	
4	Machine Operator	

SCHEDULE B-MATERIAL

The Bidder shall give in this schedule the basic price of the following material

No.	Category	Unit	Gross Rate LKR
1	ABC	m ³	
2	Sulphur resistant cement	50 kg bag	
3	Sand	m ³	
4	Ready Mixed Concrete (C 30)	m ³	
5	Reinforcement steel	kg	

SCHEDULE C – PLANT

Any Plant engaged on Day works shall be paid at the rates given below. The rates are for wet hire. These rates shall include for all inputs for running of the plant, transport to site, operators, attendants, insurance and other overheads associated with such plant.

No.	Description of Plant	Hourly Rate LKR
1	Farm Tractor with Trailer	
2	Backhoe Loader	
3	Excavator (1 m ³)	
4	Lorry/Tipper (5 t) with driver	
5	Concrete Pump	
6	Concrete truck mixture	
7	10-ton Roller	

SECTION – 10

DRAWINGS AND ANNEXURE

LIST OF DRAWINGS

NO.	DRAWING TITLE	DRG. NO.
01	Location Plan Proposed Tanks	1607-1

DUPLICATE

SECTION – 11

STANDARD FORMS (BID)

FORM OF BID SECURITY

[This Guarantee form shall be filled in accordance with the instructions indicated in brackets] _____ *[insert issuing agency's name, and address of issuing branch or office]*

Beneficiary: Ceylon Petroleum Storage Terminals Limited

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

BID GUARANTEE No.: _____ *[insert (by issuing agency) number]*

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

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

At the request of the Bidder, we _____ *[insert name of issuing agency]* hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of _____ *[insert amount in figures]* _____ *[insert amount in 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 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

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 ?	20		
Completed?	20		
Signed?	20		
Bid Security			
Address to the Employer ?	17		
Format as required?	17		
Issuing Agency as specified?	17		
Amount as requested?	17		
Validity 28 days beyond the validity of Bid?	17		
Qualification Information			
All relevant information completed?	4		
Signed?	4		
Addendum			
Contents of the addendum (if any) taken in to account?	11		
Bid package			
All the documents given in ITB Clause 13 enclosed in the original and copy?	13		
ITB Clause 21 followed before sealing the Bid package?	21		