



# ***CEYLON PETROLEUM CORPORATION***

## **INSPECTION OF SUBSEA PIPELINE FROM PLEM TO LAND FALL POINT AT COLOMBO PORT**

***B/53/2026***

***BIDDING DOCUMENT***

***2026***

**BID NOTICE**  
**CEYLON PETROLEUM CORPORATION**  
**INSPECTION OF SUBSEA PIPELINE FROM PLEM TO LAND FALL POINT**  
**AT COLOMBO PORT**  
**B/53/2026**

The Chairman, Department Procurement Committee (DPC) of Ceylon Petroleum Corporation invites sealed bids from eligible bidders for the “**Inspection of subsea pipeline from PLEM to Land Fall Point at Colombo Port**”.

To be eligible for awarding the Contract, the successful bidder shall not have been blacklisted and shall have complied with the eligibility and qualification criteria stated in the Bidding Document.

Bidding Documents may be obtained on working days between 0900 hrs and 1500 hrs, up to 29.09.2026, from the office of the Manager (Procurement & Stores), Ceylon Petroleum Corporation, 1st Floor, No. 609, Dr. Danister De Silva Mawatha, Colombo 09, upon submission of a written request and payment of a non-refundable fee of Rs. 40,000.00 (Rs. 33,071.50 + 2.5% SSCL + 18% VAT) per set. Alternatively, documents may be downloaded from the CPC website [www.ceypetco.gov.lk](http://www.ceypetco.gov.lk). Bidders who download the documents shall deposit the required fee into Account No. 004100110208633, Ceylon Petroleum Corporation, People's Bank (Head Office), and submit the payment receipt together with the Bid. **Such bidders are also required to notify their intention to participate in the bid by sending an email to [procuregeneral@ceypetco.gov.lk](mailto:procuregeneral@ceypetco.gov.lk) immediately after downloading the bidding documents.**

The International Bidders who download the documents equivalent to amount in USD, Euro or GBP per set shall pay document fees as follows and the payment receipt should be submitted along with the Bid.

|             |                                                                                                                            |
|-------------|----------------------------------------------------------------------------------------------------------------------------|
| A/C NAME    | : Ceylon Petroleum Corporation                                                                                             |
| A/C NUMBER  | : <b>004 -1-001-1-0208633</b> (Payment in LKR)<br><b>004-4-021-50227173</b> (Payment in USD)                               |
| BANK        | : People's Bank, International Banking Division,<br>People's Tower, No. 374, Dr. Colvin R De Silva Mawatha,<br>Colombo 02. |
| BANK CODE   | : 7135                                                                                                                     |
| BRANCH CODE | : 004                                                                                                                      |
| SWIFT CODE  | : PSBKLK LX                                                                                                                |

All Bids should be accompanied by a Bid Security amounts to **Rs. 2,300,000.00**

The Bid will be **closed at 1400 hrs. on 30.09.2026** and opened immediately after the closing time of the Bid at the office of Manager (Procurement & Stores), Ceylon Petroleum Corporation at the address given below, Bidders or their authorized representatives may present at the opening of the Bid. 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.

The interested bidders may obtain further information from Mechanical Engineer, Tel No. 011-7296288 or via email : [aravinthan.m@ceypetco.gov.lk](mailto:aravinthan.m@ceypetco.gov.lk).

Chairman,  
Department Procurement Committee,  
c/o Manager (Procurement & Stores),  
Ceylon Petroleum Corporation,  
No. 609, Dr. Danister De Silva Mawatha,  
Colombo 09,  
Sri Lanka.  
Tele : 0094-11-7296333  
E-mail : [procuregeneral@ceypetco.gov.lk](mailto:procuregeneral@ceypetco.gov.lk)

# CONTENTS

## Contents

|                                                      |           |
|------------------------------------------------------|-----------|
| <b>1. INSTRUCTIONS TO BIDDERS</b>                    | <b>7</b>  |
| 1.1 Introduction                                     | 7         |
| 1.2 Brief Scope of Inspection Services               | 7         |
| 1.3 Conflict                                         | 7         |
| 1.4 Eligible Bidders:                                | 7         |
| 1.5 Issuing of Bidding Document                      | 8         |
| 1.6 Content of the Bidding Documents                 | 8         |
| 1.7 Documents to accompany the Bid                   | 8         |
| 1.8 Sealing and marking of Bids                      | 9         |
| 1.9 Period of validity of Bids                       | 9         |
| 1.10 Signing of Bids                                 | 10        |
| 1.11 Clarification of Bidding Document               | 10        |
| 1.12 Site Visit                                      | 10        |
| 1.13 Deadline for submission of Bids                 | 10        |
| 1.14 Withdrawal of Bids                              | 11        |
| 1.15 Closing of Bids                                 | 11        |
| 1.16 Opening of Bids by CPC                          | 11        |
| 1.17 Bid Security Guarantee                          | 11        |
| 1.18 Schedule of Prices (BOQ)                        | 11        |
| 1.19 Preliminary Examination of Bids                 | 12        |
| 1.20 Correction of Errors                            | 12        |
| 1.21 Evaluation of Bids:                             | 12        |
| 1.22 CPC's right to accept or reject any or all Bids | 12        |
| 1.23 Notice of Acceptance                            | 13        |
| 1.24 Award Criteria                                  | 13        |
| <b>2. CONDITIONS OF CONTRACT (COC)</b>               | <b>14</b> |
| 2.1 Performance Security:                            | 14        |

|           |                                                                                    |           |
|-----------|------------------------------------------------------------------------------------|-----------|
| 2.2       | Mode of Payment                                                                    | 14        |
| 2.3       | Delivery                                                                           | 14        |
| 2.4       | Defaults by Successful Bidder                                                      | 14        |
| 2.5       | Penalty Charges                                                                    | 14        |
| 2.6       | Force Majeure:                                                                     | 15        |
| 2.7       | Arbitration.                                                                       | 15        |
| <b>3.</b> | <b>EMPLOYER'S REQUIREMENTS</b>                                                     | <b>16</b> |
| 3.1       | INTRODUCTION and Project Site                                                      | 16        |
|           | Offshore/Onshore Pipeline from SPBM to Colombo Harbour                             | 16        |
| 3.2       | DETAILS of Pipeline                                                                | 16        |
|           | Details of Line 1 – 36" Dia. Offshore/Onshore Pipeline – SPBM to Colombo Harbour   | 16        |
| 3.3       | SCOPE of Service                                                                   | 17        |
| 3.3.1     | Detailed Scope of Service to be provided                                           | 17        |
| 3.3.1.1   | Mobilization                                                                       | 17        |
| 3.3.1.2   | Materials to be supplied by Service Provider                                       | 18        |
| 3.3.1.3   | Operation Manual and Procedure Document                                            | 18        |
| 3.3.1.4   | Time Schedule for Inline Inspection                                                | 18        |
| 3.3.1.5   | Pull through Test / Pump Test                                                      | 18        |
| 3.3.1.6   | Providing of Pig Launchers and Receivers                                           | 18        |
| 3.3.1.7   | Flushing of the Pipeline                                                           | 19        |
| 3.3.1.8   | Media Required for Pig Operations                                                  | 19        |
| 3.3.1.9   | Supply of Power                                                                    | 19        |
| 3.3.1.10  | Approval from Other Authorities                                                    | 19        |
| 3.3.1.11  | Running Adequate Number of Gauging, Cleaning, Profiling and Magnetic Cleaning Pigs | 19        |
| 3.3.1.12  | Running Adequate Number of Electronic Geometry Pig (Caliper Pig) Runs              | 19        |
| 3.3.1.13  | Running Corrosion Detection Pig (Intelligent Pig) using UT Technique               | 19        |
| 3.3.1.14  | Defect Verification                                                                | 20        |
| 3.3.1.15  | Demobilization of Equipment, Tools and Personnel                                   | 20        |
| 3.3.1.16  | Data Analysis                                                                      | 20        |

|                                                                         |           |
|-------------------------------------------------------------------------|-----------|
| 3.3.1.17 Final Inspection Report                                        | 20        |
| 3.3.1.18 Transportation                                                 | 21        |
| 3.3.1.19 Installation of Markers                                        | 21        |
| 3.3.1.20 Contingency Works and Abnormal Situations                      | 21        |
| 3.3.2 Project Scheduling & Monitoring                                   | 21        |
| 3.3.2.1 Overall Project Schedule                                        | 21        |
| 3.3.2.2 Progress Measurement Methodology                                | 21        |
| 3.3.2.3 Project Review Meetings                                         | 21        |
| 3.3.3 Progress Reports                                                  | 21        |
| 3.3.3.1 Weekly Report                                                   | 21        |
| 3.4 TECHNICAL Specifications                                            | 22        |
| 3.4.1 Technique for Intelligent Pigging                                 | 22        |
| 3.4.2 Relevant Standards                                                | 22        |
| 3.4.3 Minimum Diameter Negotiability                                    | 22        |
| 3.4.4 Cleaning Pig Runs                                                 | 23        |
| 3.4.5 Gauging and Electronic Geometry (Caliper) Pig Runs                | 23        |
| 3.4.5.1 Gauging Pig                                                     | 23        |
| 3.4.5.2 Electronic Geometry (Caliper) Pig                               | 23        |
| 3.4.6 Intelligent Pig Runs                                              | 23        |
| 3.4.7 Defect Significance                                               | 23        |
| 3.4.7.1 Geometry Survey – Detection Capability and Sizing Accuracy      | 23        |
| 3.4.7.2 Intelligent Pig – Expected Performance                          | 24        |
| 3.4.7.3 Confidence Level and Probability of Detection (POD)             | 24        |
| 3.4.7.4 Locational Accuracy                                             | 25        |
| 3.4.8 Pig Tracking                                                      | 25        |
| 3.4.9 XYZ Mapping                                                       | 25        |
| 3.4.10 Mismatch of Inspection Results with Actual Site-Verified Defects | 26        |
| 3.4.11 Final Inspection Services Work Report                            | 26        |
| <b>4. BILLS OF QUANTITIES</b>                                           | <b>28</b> |

|                                                     |           |
|-----------------------------------------------------|-----------|
| Preamble to Bill of Quantities                      | 28        |
| Description of Pipeline                             | 29        |
| Bill of Quantities                                  | 29        |
| Summary                                             | 32        |
| <b>ANNEX-A - FORM OF BID</b>                        | <b>34</b> |
| <b>ANNEX - B- FORMAT FOR BID SECURITY GUARANTEE</b> | <b>36</b> |
| <b>ANNEX - C - FORM OF AGREEMENT</b>                | <b>37</b> |
| <b>ANNEX - D - FORMAT FOR PERFORMANCE GUARANTEE</b> | <b>39</b> |

# **1. INSTRUCTIONS TO BIDDERS**

## **1.1 Introduction**

- 1.1.1 Chairman, Department Procurement Committee (Major), Ceylon Petroleum Corporation (CPC), invites sealed bids from eligible and experienced service providers for the contract “Inspection of Subsea Pipeline from PLEM to Land Fall Point at Colombo Port.” The objective of this procurement is to assess the integrity and operational condition of the existing subsea crude oil pipeline extending from the Pipeline End Manifold (PLEM) to the landfall point through the application of advanced in-line inspection technologies.

## **1.2 Brief Scope of Inspection Services**

- 1.1.2 The inspection services shall include, but not be limited to:
- Pipeline cleaning and preparation using suitable cleaning pigs.
  - Gauging and geometry pig runs to confirm pipeline suitability for intelligent pigging.
  - Ultrasonic Technology (UT) based intelligent pig inspection for detection and sizing of internal and external corrosion, metal loss, and other pipeline anomalies.
  - Pipeline mapping and feature location identification.
  - Data processing, interpretation, and integrity assessment.
  - Submission of preliminary and final inspection reports together with recommendations for pipeline integrity management.
  - In the event of any conflict, discrepancy, ambiguity or inconsistency between the provisions of this Scope of Work, Technical Specifications, Drawings, Conditions of Contract or any other document forming part of this Bidding Document, the Bidder/Contractor shall immediately notify CPC in writing and seek clarification before proceeding with the relevant work. The Contractor shall not proceed on the basis of assumptions or interpretations without obtaining written clarification from CPC. Any work carried out without such clarification shall be at the Contractor’s own risk and cost.

## **1.3 Conflict**

- 1.3.1 In the event of any conflict, discrepancy, ambiguity or inconsistency between the provisions of this Scope of Work, Technical Specifications, Drawings, Conditions of Contract or any other document forming part of this Bidding Document, the Bidder/Contractor shall immediately notify CPC in writing and seek clarification before proceeding with the relevant work. The Contractor shall not proceed on the basis of assumptions or interpretations without obtaining written clarification from CPC. Any work carried out without such clarification shall be at the Contractor’s own risk and cost.

## **1.4 Eligible Bidders:**

- The bidder shall possess legal rights to perform the services under this Contract.
- The bidder shall have proven experience in Intelligent Pigging / In-Line Inspection (ILI) services for hydrocarbon pipelines.
- The bidder shall submit evidence of similar projects successfully completed during the last five (05) years.
- The bidder shall possess suitably qualified personnel, inspection tools, equipment and technical capabilities required for the execution of the Contract.

- The bidder shall not have any conflict of interest with respect to this bidding process.
- The bidder shall not be under a declaration of ineligibility or debarment by NPC, NPA or any competent authority.
- Where subcontractors are engaged, the prime bidder shall remain fully responsible for the execution and completion of the Contract.

## **1.5 Issuing of Bidding Document**

- 1.5.1 A complete set of Bidding Documents may be purchased on working days between 0900 hrs. and 1500 hrs. (Sri Lanka Time) up to the date specified in the Invitation for Bids, upon submission of a written application and payment of the prescribed non-refundable fee.

The address for obtaining the Bidding Document is:

Manager (Procurement & Stores)  
Procurement & Stores Function  
Ceylon Petroleum Corporation  
1st Floor, No. 609, Dr. Danister De Silva Mawatha,  
Colombo 09,  
Sri Lanka.

## **1.6 Content of the Bidding Documents**

- 1.6.1 The Bidding Documents shall consist of the following Sections and Forms, which are to be read and construed as an integral part of the Contract. The Bidder is expected to examine all instructions, forms, terms, specifications and other information contained in the Bidding Documents. Failure to furnish all information required by the Bidding Documents or submission of a bid not substantially responsive to the Bidding Documents in every respect may result in rejection of the bid

- Instructions to Bidders (ITB)
- Conditions of Contract (COC)
- Particular Conditions of Contract (PCC)
- Scope of Work and Technical Specifications
- Bid Evaluation Criteria
- Schedule of Prices
- Form of Bid
- Form of Bid Security Guarantee
- Form of Performance Security Guarantee
- Form of Contract Agreement
- Proposal Forms and Technical Submission Formats
- Any Addenda or Amendments issued by CPC prior to the closing date of b

## **1.7 Documents to accompany the Bid**

- 1.7.1 All Bidders shall furnish adequate information in respect of the services offered. Failure to furnish the following documents and details with the Bid may result in rejection of the Bid. All documents shall be submitted in the English Language.

- Form of Bid duly completed and signed.
- Bid Security in the prescribed format.

- Valid certificate “FORM PCA 03” issued by Registrar of Public Contract in terms of the Public Contract Act No. 3 of 1987

All Bidders shall furnish adequate following information and supporting documents in respect of the services offered.

- Company Registration Documents and Company Profile.
- Details of similar ILI/Intelligent Pigging projects completed in the last 5 years, including at least one offshore segment.
- Audited Financial Statements / Annual Turnover details for the last five (05) years.
- Details of proposed key personnel with CVs and organization structure.
- Detailed Execution Methodology, Project Schedule and Inspection Procedure.
- Details and technical specifications of the proposed Intelligent Pig, Geometry Pig, Cleaning Pig, Pig Tracking and XYZ Mapping systems.
- Pig Tracking Methodology, Benchmarking Methodology and Contingency Plan.
- Details of Consultants/Subcontractors, if any, together with their scope of work.
- HSE Plan / Safety Management Plan for the offshore and onshore works
- Schedule of Deviations, if any.
- Any other information required under this Bidding Document.

## **1.8 Sealing and marking of Bids**

- 1.8.1 Bids shall be submitted in duplicate. The Original and the Copy of the Bid shall be placed in separate envelopes marked “ORIGINAL” and “COPY” respectively. The envelopes shall be sealed and clearly marked on the top left-hand corner as: “INSPECTION OF SUBSEA PIPELINE FROM PLEM TO LAND FALL POINT AT COLOMBO PORT” and shall bear the statement: “DO NOT OPEN BEFORE 1400 HRS. ON 30.09.2026.”

The sealed envelope shall be addressed to:

Chairman,  
Department Procurement Committee,  
C/o Manager (Procurement & Stores)  
Procurement & Stores Function  
Ceylon Petroleum Corporation  
1st Floor, No. 609,  
Dr. Danister De Silva Mawatha,  
Colombo 09,  
Sri Lanka.

If the envelope is not sealed and marked as stated above, CPC shall not be responsible for any misplacement, loss or premature opening of the Bid. In the event of any discrepancy between the Original and the Copy, the Original shall prevail.

## **1.9 Period of validity of Bids**

- 1.9.1 All Bids shall be valid for a minimum period of One Hundred and Nineteen (119) days from the closing date of the Bid (i.e. 27.01.2027). A Bid valid for a shorter period shall be rejected as non-responsive.

- 1.9.2 All prices quoted in the Schedule of Prices shall be firm and fixed and shall not be subject to any adjustment, revision or variation during the period of validity of the Bid and until completion of the Contract.

### **1.10 Signing of Bids**

- 1.10.1 The Original and the Copy of the Bid shall be signed by the Bidder or by a person duly authorized to sign on behalf of the Bidder. All pages of the Bid, except unamended printed literature, shall be initialed by the person signing the Bid. Any alteration or correction shall be valid only if initialed by the authorized signatory.

### **1.11 Clarification of Bidding Document**

- 1.11.1 Any prospective Bidder requiring clarification of the Bidding Documents shall notify CPC in writing. The deadline for submission of requests for clarification shall be 09.09.2026 (the date of the Site Visit). CPC will respond in writing to all requests received within the stipulated period. Any clarification so issued shall form part of the Bidding Documents.

### **1.12 Site Visit**

- 1.12.1 Prospective Bidders are advised to attend the Site Visit scheduled to be held on 1000 hrs. at 11.09.2026 at Colombo Harbour / CPC Premises.
- 1.12.2 The purpose of the Site Visit is to familiarize the Bidders with the pipeline facilities, site conditions, access requirements and other relevant information necessary for the preparation of their Bids.
- 1.12.3 All costs associated with the Site Visit shall be borne by the Bidder. No claim arising from failure to inspect the Site or obtain relevant information shall be entertained after submission of the Bid.
- 1.12.4 Bidders who intend to participate in the Site Visit are required to furnish the names, National Identity Card (NIC) numbers, vehicle details (if applicable), and contact details of their representatives to the Employer via email on or before 1000 hrs. on 09.09.2026, to facilitate the issuance of gate passes and other necessary access arrangements for entry to the Colombo Harbour / CPC Premises.

### **1.13 Deadline for submission of Bids**

- 1.13.1 Bids must be delivered to the address specified in Clause 1.4 and received by CPC not later than 1400 hrs. on 30.09.2026.
- 1.13.2 Any Bid received after the deadline for submission of Bids shall be rejected and returned unopened to the Bidder.
- 1.13.3 CPC may, at its discretion, extend the deadline for submission of Bids by issuing an addendum to the Bidding Documents. In such event, all rights and obligations of CPC and the Bidders previously subject to the original deadline shall thereafter be subject to the revised deadline.

## **1.14 Withdrawal of Bids**

- 1.14.1 A Bidder wishing to withdraw his Bid shall notify the CPC in writing prior to the deadline prescribed for the submission of Bids. A withdrawal notice may also be sent by Facsimile, but must be followed by the original, by post or by hand not later than the deadline for submission of Bids. The notice of withdrawal shall be sent to the Manager (Procurement & Stores), which the address is given in Clause No. 1.6.

## **1.15 Closing of Bids**

- 1.15.1 Bids shall be closed at 1000 hrs. on 30.09.2026 and shall be submitted to the address specified in Clause 1.6 before the closing date and time.
- 1.15.2 Bids received after the closing date and time shall not be accepted and shall be treated as late bids.

## **1.16 Opening of Bids by CPC**

- 1.16.1 Bids will be opened immediately after the closing date and time fixed for the receipt of Bids, at the address specified in Clause 1.6. Bidders or their authorized representatives may be present at the time of opening of Bids.

## **1.17 Bid Security Guarantee**

- 1.17.1 Each Bid shall be accompanied by a Bid Security Guarantee, undertaking that the Bid shall remain valid for the specified period and shall not be withdrawn during that period. Such security shall be in the form of a Bank Guarantee issued or confirmed by a Licensed Commercial Bank operating in Sri Lanka, and payable to Ceylon Petroleum Corporation (CPC) on demand for a sum of Rs. 2,300,000.00 (Sri Lanka Rupees Two Million Three Hundred Thousand Only) only or equivalent amount in US\$., EURO or GBP.

- 1.17.2 The Bid Security shall be valid for a period of One Hundred and Fourty Seven (147) days (i.e. 23.02.2027) from the closing date of the Bid. The Bid Security shall be submitted in the format provided in the Bidding Document.

- 1.17.3 Failure to submit the Bid Security in accordance with the requirements of the Bidding Document shall result in the Bid being rejected as non-responsive. The Bid Security of unsuccessful Bidders will be returned after the award of the Contract. The Bid Security of the successful Bidder will be returned upon submission of the required Performance Security.

## **1.18 Schedule of Prices (BOQ)**

- 1.18.1 Bidders shall complete and submit the Schedule of Prices (BOQ) in the format provided in the Bidding Document. Rates shall be quoted for all items and shall be deemed to include all costs required for the satisfactory completion of the Services. No item shall be left blank, and price evaluation shall be based on the total quoted price.

## **1.19 Preliminary Examination of Bids**

- 1.19.1 CPC will examine the Bids to determine whether they are complete, any computational errors have been made, whether the documents have been properly signed, and the Bids are generally in order. If not, CPC may at its discretion call clarifications from the Bidder. The request for clarification and the response shall be in writing within one week's form the clarifications and no change in the price or substance of the Bid shall be sought, offered or permitted.

## **1.20 Correction of Errors**

- 1.20.1 Where there is a discrepancy between the amounts in figures and in words, the amount in words will govern; and
- 1.20.2 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.
- 1.20.3 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.
- 1.20.4 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.
- 1.20.5 the bidder does not accept the corrected amount of bid, its bid shall be rejected and the bid security may be forfeited.

## **1.21 Evaluation of Bids:**

- 1.21.1 CPC will carry out a detailed evaluation of the Technical Bids to determine whether the technical requirements, experience, personnel qualifications, inspection methodology, equipment and other requirements specified in the Bidding Document have been adequately addressed and whether the Bids are substantially responsive.
- 1.21.2 Only the Financial Bids of those Bidders whose Technical Bids are found to be substantially responsive and technically acceptable shall be considered for financial evaluation and comparison.
- 1.21.3 CPC reserves the right to verify the information furnished by the Bidder, including previous experience, technical capabilities, personnel qualifications, inspection tools and equipment proposed for the execution of the Contract.

## **1.22 CPC's right to accept or reject any or all Bids**

- 1.22.1 CPC will not be bound to make the award to the Bidder submitting the lowest offer.
- 1.22.2 CPC reserves the right to reject any or all Bids or any part thereof, without assigning any reasons. The CPC may accept any or all items of an bid, and reserves the right to increase or decrease the number of units to be contracted for, at prices indicated in the Schedule of Prices.

### **1.23 Notice of Acceptance**

- 1.23.1 The Notice of Acceptance shall be issued to the successful Bidder by e-mail or any other written means of communication and shall subsequently be confirmed in writing. The Notice of Acceptance shall be issued following the approval of the relevant Procurement Committee and completion of the procurement process.

### **1.24 Award Criteria**

- 1.24.1 Subject to Clause 1.18, CPC will award the Contract to the Bidder whose Bid has been determined to be substantially responsive to the requirements of the Bidding Document, is technically acceptable, and represents the lowest evaluated Bid, provided that the Bidder is determined to be qualified and capable of performing the Contract satisfactorily.
- 1.24.2 The successful Bidder shall carry out the Services in accordance with the Scope of Services, Technical Specifications, Conditions of Contract and the agreed completion schedule.
- 1.24.3 The successful Bidder shall, if required by CPC, enter into a formal Contract Agreement and shall execute the Agreement within the period specified by CPC.

## **2. CONDITIONS OF CONTRACT (COC)**

### **2.1 Performance Security:**

- 2.1.1 The successful Bidder will be notified by CPC to furnish a Performance Guarantee. This guarantee shall be submitted on his owned cost and within fourteen (14) days of such notification through / confirmed by a recognized Commercial Bank in operation in Sri Lanka, for a sum equivalent to ten (10%) percent of the value of the estimated cost. The Performance Security shall be complied to the format given in Annex C. The period of validity of this performance security shall be the expected period of delivery of goods/equipment plus one month. (i.e. period of the contract plus one month)
- 2.1.2 If the successful Bidder fails to furnish the Performance Security aforesaid, his name will be placed in the list of defaulting Contractors. CPC shall therefore, be entitled in its absolute discretion to make suitable arrangements required for the performance of such Bid, as the case may be, at the risk and expense of the successful Bidder.
- 2.1.3 The successful Bidder, in the event of his failure to furnish the Performance Security as required, shall be liable for any losses, costs expenses and damages, which the CPC may sustain in consequence of such failure, and the Bid security shall be forfeited.

### **2.2 Mode of Payment**

- 2.2.1 Payments shall be made against invoices submitted by the Contractor upon satisfactory completion of the respective Services and submission of the required reports and deliverables, duly certified by CPC. Payment shall be made in accordance with the rates and prices quoted in the Schedule of Prices and accepted by CPC.

### **2.3 Delivery**

- 2.3.1 The Contractor shall complete the entire scope of Services within four (04) months from the date of the Letter of Acceptance, unless otherwise agreed by CPC.

### **2.4 Defaults by Successful Bidder**

- 2.4.1 If the successful Bidder, defaults in the supply or otherwise commit a breach of any of the provisions in the Contract with CPC, he shall be liable to pay to CPC, all losses, damages and expenses incurred by CPC, in consequence of such default or breach. Bidders should declare that they had read the Bid conditions, and that they make the offer in compliance with, and subject to all the conditions thereof, and agree to perform the services in accordance with the said conditions in the manner therein set out, and in terms of this offer. A Form of Bid, as Annex- 'A' is attached.

### **2.5 Penalty Charges**

- 2.5.1 Any unsatisfactory service, failure to comply with the Technical Specifications, or failure to submit the required reports and deliverables to the satisfaction of CPC shall result in a deduction of five percent (5%) from the relevant invoice value. The Contractor shall be notified accordingly.

## **2.6 Force Majeure:**

- 2.6.1 Except as regards an act of God, War, Strike, Invasion, Civil war, Rebellion, Revolution, Insurrection, Earthquake or Plagues, the Bidder shall undertake all risks and liabilities of whatsoever kind arising out of incidentals connected with the sale.

## **2.7 Arbitration.**

- 2.7.1 If during the continuance of this Contract or at any time after the termination thereof, any disputes or differences of opinion touching the interpretation of this contract were to arise between the parties hereto or their respective representatives, such differences or disputes shall be referred for Arbitration.
- 2.7.2 Arbitration shall be conducted under the rules of ICLP (Institute of the Development of Commercial Law & Practice), Arbitration Centre and in accordance with the arbitration Act No. 11 of 1995 of Sri Lanka. The place of Arbitration shall be Colombo, Sri Lanka.

### 3. EMPLOYER'S REQUIREMENTS

#### ***INTEGRITY ASSESSMENT OF 01 NO. 36" DIA. PRODUCT PIPELINE FROM SPBM TO COLOMBO HARBOUR, SRI LANKA – BY INLINE INSPECTION***

##### **3.1 INTRODUCTION and Project Site**

The objective of the Inline Inspection (ILI) is to verify remaining wall thickness, identify internal and/or external metal loss, defects, corrosion and mechanical damage, and to assess the overall integrity of the pipeline in order to ensure its continued safe operation.

Ceylon Petroleum Corporation (CPC) operates the following pipeline for the transportation of petroleum product as described below:

##### **Offshore/Onshore Pipeline from SPBM to Colombo Harbour**

- Line 1 – 36" dia. approx. 9.6 km long Crude Oil pipeline laid in 2010 from Single Point Buoy Mooring (SPBM) to Colombo Harbour.

The pipeline is used for the unloading of import tankers via SPBM to the installation at Colombo harbor.

##### **3.2 DETAILS of Pipeline**

The following table sets out the general technical information for the 36" dia. offshore pipeline.

##### **Details of Line 1 – 36" Dia. Offshore/Onshore Pipeline – SPBM to Colombo Harbour**

|                                              |                                              |
|----------------------------------------------|----------------------------------------------|
| <b>Name of Pipeline</b>                      | Line 1 – 36" dia. Crude Oil Pipeline         |
| <b>Nominal Diameter of the pipeline (OD)</b> | 36" (914.4mm)                                |
| <b>Total length of the pipeline</b>          | 9.6km                                        |
| <b>End Point 1</b>                           | At Pipeline End Manifold (PLEM) – On sea bed |
| <b>End Point 2</b>                           | At Colombo Harbor installation (Onshore)     |
| <b>Age of Pipeline</b>                       | 16 years (commissioned 2010)                 |
| <b>Wall thickness</b>                        | 15.9 mm                                      |
| <b>Type of welding</b>                       | SAW                                          |
| <b>Product transported</b>                   | Crude Oil                                    |
| <b>Type of flow</b>                          | Turbulent                                    |

|                                      |                             |
|--------------------------------------|-----------------------------|
| <b>Flow rate</b>                     | 4500 mT/h maximum           |
| <b>Design pressure</b>               | 15 Bar                      |
| <b>Operating pressure</b>            | 7.5 Bar maximum             |
| <b>Operating temperature</b>         | -29°C – 82 °C               |
| <b>Tees and branches</b>             | None                        |
| <b>Check valves</b>                  | None                        |
| <b>Loops and expansion bellows</b>   | None                        |
| <b>Bend radius</b>                   | 5D minimum                  |
| <b>Miter bends on the pipeline</b>   | None                        |
| <b>Pig Launcher</b>                  | Available at PLEM (Sea Bed) |
| <b>Pig Receiver</b>                  | Available at Colombo Harbor |
| <b>Pigging history</b>               | None                        |
| <b>Intermediate pigging stations</b> | None                        |

### 3.3 SCOPE of Service

The Scope of Service under this tender includes the Inline Inspection of the above-mentioned offshore 36" dia. pipeline segment by running an intelligent pig based on Ultrasonic Testing (UT), using a bidirectional tool or any other tool that does not require modification at the PLEM, to detect, quantify and accurately locate internal/external corrosion, mechanical defects, remaining wall thickness and other anomalies, and to submit a comprehensive report including assessment of the overall integrity of the pipeline in order to ensure continued safe operation.

Below scope and specification is prepared based on Inline Inspection by running a Corrosion Detection (Intelligent) Pig; the Service Provider may propose an alternative methodology for the Employer's consideration.

#### 3.3.1 Detailed Scope of Service to be provided

##### 3.3.1.1 Mobilization

Mobilization of all relevant equipment, tools, spares, consumables, communication, transportation and personnel from the country of import to the work site, for completion of the entire works within the Contract Price and scheduled time period.

The Service Provider shall mobilize adequate pig launchers and receivers where the existing facilities are not provided, or where existing launchers/receivers are not fit for purpose. The Service Provider shall ensure the site activities do not suffer due to shortage of spares; any losses

due to delays for this reason shall be borne by the Service Provider, and the Employer shall recover such losses from the Service Provider. Manpower required for the works, as per the composition of the ILI team submitted with the procurement document, shall be arranged by the Service Provider, and no listed key staff shall be removed without prior written approval of the Employer.

#### **3.3.1.2 Materials to be supplied by Service Provider**

All materials, equipment and spares required for execution of the ILI service shall be covered under the Service Provider's scope of supply. No material shall be supplied by the Employer.

#### **3.3.1.3 Operation Manual and Procedure Document**

The Service Provider shall submit an operation manual for the pigs and a procedure document for execution of the field activities for the pipeline covered under the scope of work, before commencing the job, for Employer approval.

#### **3.3.1.4 Time Schedule for Inline Inspection**

The Employer will release the pipeline for inline inspection while considering ongoing operational requirements. The time schedule for inspection shall be proposed by the Service Provider before commencement of the inline inspection, and the Employer will finalize the schedule considering the Service Provider's proposal and the Employer's tanker loading/unloading schedule.

#### **3.3.1.5 Pull through Test / Pump Test**

The Service Provider is required to conduct a Pull Through Test / Pump Test of the Intelligent Pig at its inspection centre before mobilization of tools to site. The Pull Through Test / Pump Test report of the Corrosion Detection Pig / Caliper and other necessary tools, certified by an internationally recognized independent third-party inspection company, shall be submitted within seven (7) days before mobilization.

#### **3.3.1.6 Providing of Pig Launchers and Receivers**

The Service Provider shall satisfy itself that pigging requirements can be met by existing pig launchers and receivers. Where existing facilities are unsuitable, temporary arrangements for launching and receiving shall be arranged by the Service Provider. On completion of the inspection work, all temporary arrangements and pipeline modifications shall be removed and the pipeline system restored to normal operating condition in accordance with applicable standards, to the satisfaction of the Employer. All costs relating to provision of pig launchers/receivers and any modification works shall be borne by the Service Provider. Interconnection works (if required) shall be arranged and executed by CPC to enable bidirectional or other tools/methods for pig operation. The Bidder's tools or method should be able to perform without any modification at the PLEM.

### **3.3.1.7 Flushing of the Pipeline**

Water flushing of the pipeline before commencement of inspection will be done by the Employer, if needed.

### **3.3.1.8 Media Required for Pig Operations**

CPC shall provide the required seawater at the designated location. The Service Provider shall be responsible for providing and arranging all pumping facilities required for the execution of the work, including pumps, hoses, connections, and associated equipment, at its own cost. The Service Provider shall verify the required pumping capacity and ensure that the pumping facilities provided are adequate for the intended operation.

### **3.3.1.9 Supply of Power**

Power supply required for the inline inspection and related works shall be arranged by the Service Provider at its own cost. However, power supply will be provided by the Employer for works carried out within CPC premises, where possible.

### **3.3.1.10 Approval from Other Authorities**

Port entry, excavation, hot-work and other relevant permits/clearances from the Sri Lanka Ports Authority (SLPA) and other relevant organizations (Customs, Navy, etc.) shall be arranged by the Service Provider. CPC will provide necessary assistance to coordinate with the above authorities and organizations.

### **3.3.1.11 Running Adequate Number of Gauging, Cleaning, Profiling and Magnetic Cleaning Pigs**

The Service Provider shall submit the requirement for running an adequate number of gauging, cleaning, profiling and magnetic cleaning pigs, together with the procedure for running the relevant pigs, and shall carry out these runs including pig tracking, providing a detailed daily site report for each run in the approved format before commencing the subsequent run.

### **3.3.1.12 Running Adequate Number of Electronic Geometry Pig (Caliper Pig) Runs**

If required, the Service Provider shall carry out an Electronic Geometry Pig (EGP) run, including pig tracking, to detect the nature and location of internal constriction in the pipeline, and shall provide a detailed daily site report before commencing the subsequent run. The Service Provider shall submit typical EGP data logs along with the site report and shall demonstrate that the minimum internal bore / maximum constriction detected does not exceed the limitations of the high-resolution inspection tool. Detailed processed EGP logs shall be submitted with the final work report.

### **3.3.1.13 Running Corrosion Detection Pig (Intelligent Pig) using UT Technique**

The Service Provider shall carry out an intelligent pig run, including pig tracking, to generate valid and physically verifiable data for identification of external and internal corrosion, other defects and anomalies, and location of girth welds, valves, lateral joints and tees, and shall submit

a detailed daily report confirming data has been generated for the entire length of the segment. A preliminary site report shall be submitted along with typical Intelligent Pig data logs. XYZ mapping data acquisition shall be carried out concurrently with the Intelligent Pig run, or independently, as necessary.

#### **3.3.1.14 Defect Verification**

At the discretion of the Employer, at least three defect locations shall be identified for joint verification with the Employer from the recorded data, with distances from the nearest permanent pipeline feature or reference marker provided to facilitate field location. Only defects at accessible locations greater than  $1t \times 1t$  ( $t$  = wall thickness) shall be offered for verification. All costs related to verification activities shall be included in the Bid Price. - Overall

#### **3.3.1.15 Demobilization of Equipment, Tools and Personnel**

The Service Provider shall dismantle and remove all temporary attachments used for the inline inspection and related works. Pipeline sections modified to facilitate pig launching/receiving shall be restored to original condition following standard procedures, and all work sites shall be cleared and tied up.

#### **3.3.1.16 Data Analysis**

The analysis shall consist, as a minimum, of:

- Identification of all pipeline permanent features (e.g. valves, tees, sleeves, welds, external weld metal depositions).
- Identification of potentially hazardous / mechanical defects affecting structural integrity of the pipeline.
- Three-dimensional defect sizing (depth, length, circumferential width) for all significant defects ( $\geq 10\%$  metal loss), grading of defects, and differentiation between external/internal and corrosion/mechanical defects.
- Report on interactive corrosion due to clustering of pits.
- Preparation of final processed inspection logs and complete work report with defect sizing and gradation.
- Provision of all raw and processed data along with the software package to enable the Employer to study the data, compatible with current operating systems.

#### **3.3.1.17 Final Inspection Report**

The final inspection report shall include proving, cleaning, gauging, caliper and intelligent pig run details with operational and functional parameters, daily detailed site reports, individual feature report, severity analysis, velocity plot of the Intelligent Pig, defect distribution along the pipeline, and a Corrosion Expert/Engineer's (API 570-qualified) report.

#### **3.3.1.18 Transportation**

The Service Provider shall arrange transportation of tools, tackle, equipment and personnel to the work site and back, including local transport between launcher and receiving stations, and any boats/tugs or other sea transportation required for inspection of the offshore pipeline.

#### **3.3.1.19 Installation of Markers**

The Service Provider shall supply and install pipeline markers as necessary, with the consent of the Employer, and shall provide the installation procedure with the bid.

#### **3.3.1.20 Contingency Works and Abnormal Situations**

The Bidder shall list all foreseeable abnormal circumstances during project execution, including inability to proceed with a subsequent pigging stage, tool failure, or a stuck tool, to enable the Employer to take appropriate measures in time. The Bidder shall prepare and submit a contingency plan with the procurement document, including proposed measures for retrieval of a stuck pig and restoration of the pipeline to normal operating condition.

### ***3.3.2 Project Scheduling & Monitoring***

#### **3.3.2.1 Overall Project Schedule**

The Service Provider shall submit, within 01 week of the Letter of Acceptance, a detailed overall project schedule in activity-network form, indicating major milestones, inter-relationships between activities, and critical path analysis with floats. The network, once reviewed and approved by the Employer, shall form part of the Contract document and shall not be revised without prior Employer permission.

#### **3.3.2.2 Progress Measurement Methodology**

The Service Provider shall submit, within two weeks of award, the methodology for progress measurement. The Employer reserves the right to modify the methodology in part or in full.

#### **3.3.2.3 Project Review Meetings**

- Weekly Review Meeting

### ***3.3.3 Progress Reports***

#### **3.3.3.1 Weekly Report**

Submitted weekly, covering: activities programmed and completed; resources deployed; quantities achieved against target; man-days lost; and scheduled vs. actual progress percentages.

### 3.4 TECHNICAL Specifications

#### 3.4.1 Technique for Intelligent Pigging

The Intelligent Pig used for Inline Inspection of the pipeline shall be based on Ultrasonic Testing (UT) technology.

#### 3.4.2 Relevant Standards

The Service Provider shall comply with the following standards, as applicable, for the Inline Inspection of the pipeline:

- API Standard 1163 – In-Line Inspection Systems Qualification, Second Edition, April 2013, or latest edition.
- NACE SP0102-2010 (National Association of Corrosion Engineers), or latest edition – In-Line Inspection of Pipelines.
- Pipeline Operators Forum (POF) – Specifications and Requirements for In-Line Inspection of Pipelines, Version 2016, or latest edition.
- ASME B31.4 – Pipeline Transportation Systems for Liquids and Slurries (design/construction reference for liquid product pipelines).
- ASME B31G (latest edition) / API 579-1/ASME FFS-1 – Manual for Determining the Remaining Strength of Corroded Pipelines / Fitness-For-Service Assessment.
- API 570 – Piping Inspection Code, for in-service piping/pipeline inspection, repair, alteration and rerating.
- API RP 574 / API RP 578, as applicable – material verification and inspection practices.

#### 3.4.3 Minimum Diameter Negotiability

| Type of Pig                                                   | Minimum Diameter Negotiability                                                 |
|---------------------------------------------------------------|--------------------------------------------------------------------------------|
| Gauge Pigs, Cleaning and Magnetic Cleaning Pigs, Profile Pigs | 70% of Minimum ID of pipe segment, or as per Service Provider's recommendation |
| Electronic Geometry Pigs                                      | 80% of Minimum ID of pipe segment, or as per Service Provider's recommendation |
| Intelligent Pig / XYZ Mapping                                 | 90% of Minimum ID of pipe segment, or as per Service Provider's recommendation |

The detailed specifications of all types of pigs shall be furnished with the bid. The Bidder shall state the minimum percentage (%) of ID/constriction that its pigs are capable of passing without damage to the tool or the pipeline.

### ***3.4.4 Cleaning Pig Runs***

Prior to launching the Intelligent Pig, the Service Provider shall complete all activities required to establish piggability and adequate pipeline cleanliness, verify internal geometry with respect to ovality/dents, and ensure internal bore restriction does not exceed tool limitations. The Service Provider shall decide the number and type of cleaning runs required to obtain valid, interpretable inspection data and to safeguard the Caliper and Intelligent Pig against debris damage.

### ***3.4.5 Gauging and Electronic Geometry (Caliper) Pig Runs***

#### **3.4.5.1 Gauging Pig**

Following cleaning pig runs, the Service Provider shall run a gauging pig with an aluminium gauging plate of diameter 95% of the minimum pipeline internal diameter. Cleaning and gauging pig assemblies shall be able to pass over pipe tees or bends.

#### **3.4.5.2 Electronic Geometry (Caliper) Pig**

The Caliper Pig shall be capable of recording the entire segment length (launcher to receiver) in a single run, with sufficient data storage capacity. Measurement shall cover the full 360° internal pipe wall circumference using properly oriented, sufficient sensors, and shall identify, as a minimum:

- Individual girth welds
- Dents, ovality, buckles or other out-of-roundness, changes in pipeline ID, and thickness differences
- Bends, with bend radius and degree of bend
- Valves or partially closed valves

### ***3.4.6 Intelligent Pig Runs***

Upon completion and satisfactory results of preceding activities (cleaning, profiling, gauging, caliper runs), the Service Provider shall confirm readiness for running the Corrosion Detection Pig. The Employer shall indicate the exact launch time in consultation with the Service Provider. The Intelligent Pig shall be capable of identifying, as a minimum:

- General corrosion
- Pitting corrosion
- Circumferential gouging
- Axial gouging
- Location of girth welds, valves, lateral joints
- Proximity of any ferrous object to the pipeline
- Manufacturing defects

### ***3.4.7 Defect Significance***

#### **3.4.7.1 Geometry Survey – Detection Capability and Sizing Accuracy**

| Parameter                           | Value                                                         |
|-------------------------------------|---------------------------------------------------------------|
| Minimum detection level for dent    | 2% of ID                                                      |
| Sizing accuracy for dent            | +0% of ID, –25% of measured value or 1% of ID                 |
| Minimum detection level for ovality | 5% of ID                                                      |
| Sizing accuracy for ovality         | ±2% of ID                                                     |
| Location accuracy (axial)           | 0.1% from permanent features/bench marker; within-pipe ±20 cm |
| Circumferential location accuracy   | ±15 degrees                                                   |

The tool shall be capable of negotiating a minimum 3D bend and a 20% reduction in pipe ID. The Bidder shall furnish supporting literature (including catalogues) in English with the bid.

#### 3.4.7.2 Intelligent Pig – Expected Performance

The classification of metal loss defects used for specifying the detection and sizing accuracy of the Corrosion Detection Pig shall be as per API Standard 1163:

- External or internal metal loss/mechanical defects shall be identified, discriminated, sized and reported in a mutually agreed manner.
- Inspection of the entire segment length shall be completed in one single run.
- Where a cluster of pits is identified in close proximity, the interactive corrosion effect shall be checked, with each pit-cluster location referenced to permanent pipeline features.
- Any metal loss in the heat-affected zone of a weld shall be specifically highlighted in the report (may not be sized).

#### 3.4.7.3 Confidence Level and Probability of Detection (POD)

The Intelligent Pig shall have, as a minimum, the following capabilities at 80% confidence level and 90% Probability of Detection (POD):

| Identification / Characterization of Defect | Min. Detection Capability of Depth at 90% POD | Sizing Accuracy – Depth | Sizing Accuracy – Width | Sizing Accuracy – Length |
|---------------------------------------------|-----------------------------------------------|-------------------------|-------------------------|--------------------------|
| General Corrosion                           | 0.10t                                         | ±0.10t                  | ±10 mm                  | ±10 mm                   |

|                          |       |             |                                            |                                            |
|--------------------------|-------|-------------|--------------------------------------------|--------------------------------------------|
| Pitting Corrosion        | 0.15t | $\pm 0.10t$ | $\pm t$ or $\pm 10$ mm<br>(whichever more) | $\pm t$ or $\pm 10$ mm<br>(whichever more) |
| Axial Grooving           | 0.15t | $\pm 0.15t$ | $\pm 20$ mm                                | $\pm 20$ mm                                |
| Circumferential Grooving | 0.10t | $\pm 0.10t$ | $\pm 10$ mm                                | $\pm 10$ mm                                |

Note: t = nominal pipeline wall thickness.

#### 3.4.7.4 Locational Accuracy

|                                          |                                                                                                  |
|------------------------------------------|--------------------------------------------------------------------------------------------------|
| <b>Location accuracy (axial)</b>         | 0.1% from permanent features/bench marker (i.e. 1 m in 1000 m distance); within-pipe $\pm 20$ cm |
| <b>Circumferential location accuracy</b> | $\pm 15$ degrees                                                                                 |

The above are generic benchmarking accuracies to be met by the Service Provider. The Service Provider is expected to enhance tool performance (e.g. increased sampling rate, tool velocity control) and shall indicate its tool's actual capability with the bid.

#### 3.4.8 Pig Tracking

The movement of any pig introduced into the line during pre-inspection or intelligent pigging shall be monitored along the entire pipeline length from launcher to receiver trap. The Bidder shall detail the complete pig-tracking methodology proposed, including full technical details of the equipment/devices to be used.

#### 3.4.9 XYZ Mapping

XYZ mapping shall be carried out to obtain three-dimensional geographical pipeline coordinates. Pig transverse and rotational movements shall be measured using an inertial navigation unit, cross-referenced to Differential GPS coordinates acquired at regular intervals using GPS-enabled pig-tracking devices.

The mapping report shall cover pipeline alignment, direction and orientation of horizontal/vertical bends (angle, radius, direction), and any abnormal deformation or bending strain. GPS coordinates shall be provided for pipe welds, valves, tees, and bend start/end positions. Mapping and caliper (geometry pig) runs, if required, shall be provided.

#### ***3.4.10 Mismatch of Inspection Results with Actual Site-Verified Defects***

Intelligent Pig run results, when verified in verification digs per Clause 6.3.1.14, shall be consistent with and within the tool capabilities stated by the vendor. Of the defect locations subjected to verification in a segment, at least 66% of the sample size shall be consistent with tool capabilities. If this is not achieved (even after allowing extra runs), additional verification dig sites shall be arranged. If 80% of the sample size is not consistent with tool capabilities, the Employer shall review the case in consultation with the Service Provider and reserves the right to terminate the Contract at its discretion; payment for work done up to that stage shall be made as per the agreed terms of payment.

#### ***3.4.11 Final Inspection Services Work Report***

The Bidder shall include, in its offer, the most appropriate reporting procedure envisaged for the subject pipeline, to be mutually agreed between the successful Bidder and the Employer.

The Employer has proprietary rights to all data acquired under this Contract. Such data shall not be copied, divulged or shared with third parties, and shall be handed over to the Employer only, in both softcopy and hardcopy forms.

Reporting shall, as a minimum, comply with the Pipeline Operators Forum "Specifications and Requirements for Intelligent Pig Inspection of Pipelines" (latest issue), and shall include but not be limited to:

- Calibration certificates (obtained within 1 year, from an accredited authority) for all instruments used.
- Preliminary site report within three to four days for each run of cleaning, gauge, EGP and Intelligent Pig, including comments/observations, pig condition, operating parameters and total run time.
- Detailed report for each pre-inspection tool run (cleaning pig, caliper pig).
- Detailed geometry survey report, with list of installations, list of significant features (type, description, log distance, clock orientation, length, depth/change in ID), velocity plot, temperature plot, elevation plot (with MS Excel file).
- GIS-compatible XYZ mapping information with GPS coordinates of markers, valves, tees, pipe welds and features; pipeline map generated from XYZ/GIS data; survey log and enlargement areas of special interest.
- Detailed report on the Intelligent Pig run, including operational/functional details, defect type/size/discrimination/location referenced to permanent features and girth weld numbers.
- Depth-based feature distribution against pipe length for all metal loss features.
- Severity analysis for all metal loss features per API 570 (and/or ASME B31G / API 579-1 as applicable), with remaining life calculation.
- Individual evaluation feature report for 5 no. significant metal loss features.
- Recommendation for operating pressure and measures to operate safely at the design pressure.
- Corrosion Expert's/Engineer's report on defects found, root cause, extent of effect, and proposal for repairs and remedial action.
- Histograms of absolute pipeline distance vs. number of defects, and report on interactive corrosion due to pit clustering.

The format and pro forma of the above reports shall be mutually agreed between the Service Provider and the Employer.

All data generated shall be compiled on two no. USB 3.2 Solid State Flash Drives with user-friendly operation on a compatible PC, together with the necessary review/analysis software, within two months of successful completion. Compatible Data Viewing, Analysis, Interpretation and Pipeline Integrity software (for feature evaluation/corrosion growth rates) shall be installed for a minimum of two PC(s) (latest Windows operating system) with licenses, or one network license with two concurrent users.

#### **4. BILLS OF QUANTITIES**

##### ***INTEGRITY ASSESSMENT OF 01 NO. 36" DIA. PRODUCT PIPELINE FROM SPBM TO COLOMBO HARBOUR, SRI LANKA – BY INLINE INSPECTION***

###### Preamble to Bill of Quantities

1. The Schedule of Prices shall be read with all other sections of this procurement document.
2. The Service Provider is deemed to have studied the drawings, specifications and details of the ILI service to be performed within the time schedule, and to have acquainted itself with the conditions prevailing at site.
3. The quantities shown against the various items are approximate only and may vary individually, subject to the conditions in the General/Special Conditions of Contract.
4. No claim shall be entertained during the currency of the Contract in respect of any item due to the above, including where the Service Provider has quoted low/high rates.
5. The Employer reserves the right to interpolate or extrapolate rates for any new item of work not covered in the Schedule of Prices, from similar items already available in the schedule of rates. All works shall be measured on completion and paid at the rate quoted and accepted in the Schedule of Prices. Where an activity is not specifically covered by a schedule item description but is covered under the scope of work/supply/specification/drawings, no extra claim shall be entertained, since the Schedule of Prices is to be read together with all other Contract documents.
6. All items of ILI services mentioned in the Schedule of Prices shall be carried out per the specifications, drawings and instructions of the Employer, and rates are deemed inclusive of inspection tools/pigs, materials, consumables, labour, supervision, and tools & tackle, wherever required, as called for in the detailed specification and Conditions of Contract.
7. The Employer reserves the right to cancel/delete/curtail any item or group of items if necessary. This shall not be construed as grounds for changing the quoted rates.
8. Bidder's quoted prices shall be deemed to include all taxes and duties payable outside Sri Lanka, packing & forwarding, Sri Lanka customs duty (inbound and outbound shipment of inspection tools), inbound/outbound air/marine freight, domestic inland shipments, transit insurance, and any other applicable levies. The Employer shall deduct income tax at prevailing rates and any other statutory taxes applicable when making payments.
9. Applicability of standby charges shall be notified by the Contractor in writing to the Engineer-in-Charge in conformity with the Conditions of Contract, and its acceptance obtained from the Engineer-in-Charge in writing.
10. The Bidder shall fill in rates for all items in the Price Bid; no blanks are permitted against any Schedule of Rates (SOR) item. Items for which no rate is entered will not be paid by the Employer when executed, and shall be deemed covered by other rates in the Price Bid.

11. Price evaluation shall be done on the basis of the total quoted price (not individual item price) for the entire scope of this tender. The Purchase Order/Contract shall be placed on a single successful Bidder.

12. Where a Bidder quotes part of the services in LKR and part in USD, the total of the LKR and USD components together shall be reckoned for price bid evaluation. (For evaluation and comparison, CPC will convert all bid prices expressed in currencies other than Sri Lankan Rupees, using the middle exchange rate/indicative rate published by the Central Bank of Sri Lanka on the date 28 days prior to the closing of bids.)

#### Description of Pipeline

| No. | Pipeline                    | Details of Pipeline                                                                                                                          |
|-----|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | 36" Dia. Crude Oil Pipeline | 36" dia. pipeline from SPBM/Offshore to Colombo Harbour. Used to transport Crude Oil. Total Length – 9.6 km<br>Min. Radius of Curvature – 5D |

#### Bill of Quantities

INTEGRITY ASSESSMENT OF 01 NO. 36" DIA. PRODUCT PIPELINE FROM SPBM TO COLOMBO HARBOUR, SRI LANKA – BY INLINE INSPECTION

Note: For items with both an LKR Component and a USD Component, rate each separately in the provided columns. Items with only a single currency component shall be rated in the respective column. Sub-totals of the LKR and USD Components shall be carried forward to the Summary, with the USD sub-total converted to LKR in the Summary (using the middle exchange rate/indicative rate published by the Central Bank of Sri Lanka on the date 28 days prior to the closing of bids). Both components shall then be added, and the total carried to the Form of Bid.

| Item | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Unit | Qty.  | Currency |        |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|----------|--------|
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |       | Rate     | Amount |
| 1    | Mobilization of pigging tools, tackle, consumables, spares, accessories and personnel by the Service Provider at work site, including but not limited to cleaning, profiling, gauging, electronic geometry (caliper) pigs (EGP, if needed), pig launching/receiving devices, pig tracking device and personnel, pipeline markers and intelligent pigs, subsequent to carrying out the Pull Through Test and submission of the test report for Intelligent Pigs of relevant pipe size, transportation, including supply of all material, equipment, manpower, transportation, consumables, spares, etc. required to complete the works and for satisfactory and timely completion of Inline Inspection of the 36" dia. pipeline, as per specifications and provisions of the procurement document. | Item | Allow |          |        |
| 2    | Providing and installation of the required type of pig launcher/receiver for the relevant operations at SPBM or at Colombo Harbour installation (if existing facilities are not suitable/available).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Item | Allow |          |        |
| 3    | Modification to the existing pipeline, if required, to facilitate launching, running, receiving or any other pigging operation, including restoration to original condition on completion.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Item | Allow |          |        |
| 4    | Running an adequate number of cleaning pigs, inclusive of pig tracking at necessary intervals, including supply of all personnel, pigs, tools, tackle, equipment, consumables, spares, accessories, pig tracking device and personnel, and transportation required to complete the scope of work at the Work Site, including site report preparation for gauge/cleaning pig runs,                                                                                                                                                                                                                                                                                                                                                                                                                 | Item | Allow |          |        |

|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |       |  |  |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|--|--|
|   | required for satisfactory completion of the works for the 36" dia. pipeline, as per specifications and provisions of the procurement document.                                                                                                                                                                                                                                                                                                                                                                                                |      |       |  |  |
| 5 | Running an adequate number of gauging pigs at the flow rates mentioned in the procurement document, inclusive of pig tracking at necessary intervals, including supply of all personnel, pigs, Precision Bench Marking with GPS capability at decided intervals, tools, tackle, equipment, consumables, spares, accessories, pig tracking device and personnel, and transportation required to complete the scope of work at the Work Site, including site report preparation.                                                                | Item | Allow |  |  |
| 6 | Running an adequate number of Electronic Geometry (Caliper) Pig runs at the flow rates mentioned in the procurement document, inclusive of pig tracking at necessary intervals, including supply of all personnel, pigs, Precision Bench Marking with GPS capability at decided intervals, tools, tackle, equipment, consumables, spares, accessories, pig tracking device and personnel, and transportation required to complete the scope of work at the Work Site, including site report preparation.                                      | Item | Allow |  |  |
| 7 | Carrying out Inline Inspection (Intelligent Pig) of the 36" dia. pipeline by corrosion detection run(s) using Ultrasonic Testing (UT) technique, together with concurrent XYZ mapping or as an independent XYZ mapping run, at the flow rates mentioned in the procurement document, so as to generate valid, interpretable and physically verifiable data, inclusive of pig tracking at decided intervals, including supply of personnel, pigs, tools, tackle, equipment, consumables, spares, accessories, Precision GPS bench marking, pig | Item | Allow |  |  |

|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |       |  |  |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|--|--|
|   | tracking device and personnel, and transportation by the Service Provider at the Work Site, site report preparation of corrosion detection pig runs, data analysis, preparation of preliminary report for dig verification, and assistance during dig-site verification, required for satisfactory completion of the works for the 36" dia. pipeline, as per specifications and provisions of the procurement document (excluding installation of magnetic markers and actual dig-site verification, which are covered under separate items, if applicable). |      |       |  |  |
| 8 | Submission of the final report as per specifications, in two hardcopies and two softcopies, together with compatible software for data viewing, analysis, interpretation and pipeline integrity analysis. Software for feature analysis and corrosion growth rate analysis shall be provided and installed for two PCs and licences, or one network licence with two concurrent users.                                                                                                                                                                       | Item | Allow |  |  |

### Summary

|                                            | Currency Component |
|--------------------------------------------|--------------------|
| Sub Total I (a)                            |                    |
| Less discount, if any (b)                  |                    |
| Sub Total II (c)                           |                    |
| SSCL Tax (2.5%), if applicable (d)         |                    |
| Sub Total III – carried to Form of Bid (e) |                    |
| VAT (18%), if applicable (f)               |                    |
| <b>TOTAL AMOUNT WITH VAT (g)</b>           |                    |

Total amount in words (Sub Total III – LKR): .....\_

VAT Amount: .....

VAT Registration No.:.....

Name of the Bidder:.....

Address: .....

.....

Signature & Common Seal of the Bidder:

Date: .....

Witness: .....

Name: .....

Address: .....

.....

.....

Witness: .....

Name: .....\_

Address: .....

.....

.....

NIC/PP No.: .....

NIC/PP No.: .....

## ANNEX-A - FORM OF BID

**To:** The Chairman  
Procurement Committee,  
Ceylon Petroleum Corporation,  
1<sup>st</sup> Floor,  
No. 609, Dr. Danister De Silva Mawatha,,  
Colombo 09.  
SRI LANKA.

**From:** .....

.....

.....

Sir,

A-1 Having familiarized ourselves with the formal request for Instruction to Bidders and Conditions of Contract, for Inspection of Subsea Pipeline from PLEM to Land Fall Point at Colombo Port.”, we offer to complete the whole of said services in conformity with the said document.

A-2 Unless and until a formal agreement is prepared and executed this Bid together with your written acceptance thereof shall constitute a binding contract with us.

A-3 We understand you are not bound to accept the lowest or any Bid you may receive.

A-4 The Bid we are offering is complete and fulfils the requirements discussed in the Technical specifications of the Bidding Document.

A-5 We agree to abide by this Bid for the period of **One Hundred and Nineteen (119) days** from the date of opening of the same Bid. Conditions and prices quoted shall remain binding upon us and may be accepted at any time before the expiration of the period.

A-6 We agree to be bound by the Bid, Bid Conditions, Technical specifications and Performance security.

A-7 We offer the lump sum fixed price of (in figures)  
.....inwords).....  
..... for ..... as detailed

out in this Bidding Document and details of the lump sum price is as given in the schedule of prices.  
We agree that it is open to the Procurement Committee to reject this offer or to accept.

Dated this ..... day of .....2026.

Signature.....in the capacity of .....  
.....duly authorized to sign Bids for and on behalf of :

Name .....

Address .....  
.....  
.....

Witnesses:

1. Signature .....  
Name : .....  
Address : .....  
.....  
.....

2. Signature : .....  
Name : .....  
Address : .....  
.....  
.....

## ANNEX - B- FORMAT FOR BID SECURITY GUARANTEE

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

**Beneficiary :** ..... [ insert (by PE) name and address of Employer/ Purchaser]

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

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

We have been informed that .....[insert (by issuing agency) name of the Bidder; if a joint venture, list complete legal names of partners] (hereinafter called “ the Bidder”) has submitted to you its bid dated .....[insert (by issuing agency) date] (hereinafter called “the Bid”) for execution/ supply [select appropriately] 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”) of the IFB; or
- (c) having been notified of the acceptance of its Bid by the Employer/ Purchaser during the period of bid validity, (i) fails or refuses to execute the Contract Form, if required, or (ii) fails or refuses to furnish the Performance Guarantee, 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 Guarantee issued to you by the Bidder; or (b) if the Bidder is not the successful bidder, upon the earlier of (i) our receipt of a copy of your notification to the Bidder that the Bidder was unsuccessful, otherwise it will remain in force 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)]

## ANNEX – C - FORM OF AGREEMENT

This agreement made this \_\_\_\_\_ day of \_\_\_\_\_ 2026, by and between CPC established by an Act of Parliament namely Act No. 28 of 1961 & having its registered Office at 609, Dr. Danister De Silva Mwt., Colombo 09 in the Government of the Democratic Socialist Republic of Sri Lanka (hereinafter called and referred to as the “CPC” which terms of expression as herein used shall where this context so requires and admits mean & include the CPC & its Successors & assigns) of the one part and \_\_\_\_\_ of \_\_\_\_\_ a Company duly incorporated & having its registered Office at \_\_\_\_\_ (hereinafter called the “Supplier” which terms of expression as herein used shall where this context so requires and admits mean & include the \_\_\_\_\_ & its successors & assigns) of the other part

Whereas the CPC is desirous that the Works known as the ..... should be supplied by the supplier, and has accepted a Bid by the supplier for the supply of such equipment, and the remedying of any defects therein.

The CPC and the supplier agree, as follows: -

1. In the agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract and Contractor’s scope of work hereinafter referred to.
2. The following documents shall be deemed to form and be read and construed as a part of this Agreement.
  - Letter of Acceptance dated \_\_\_\_\_
  - The Technical specifications
  - The Bid dated-----
  - The Conditions of Contract
  - The Completed schedules and

In consideration of the payments to be made by the CPC to the Supplier as hereinafter mentioned, the supplier hereby covenants with the CPC to supply and remedy any defects therein, fit for purpose in conformity in all respect according to the provisions of the Contract.

The CPC hereby covenants to pay the Supplier in consideration of the Supply and the remedying of 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 have hereunto caused this Agreement to be executed the day, month & year afore written.

|                                 |  |                                      |  |
|---------------------------------|--|--------------------------------------|--|
| Authorized Signature of the CPC |  | Authorized Signature of the Supplier |  |
|                                 |  |                                      |  |
| In the presence of              |  | In the presence of                   |  |
| Name                            |  | Name                                 |  |
| Signature                       |  | Signature                            |  |
| Address                         |  | Address                              |  |

## ANNEX - D - FORMAT FOR PERFORMANCE GUARANTEE

.....[issuing Agency's Name and Address of issuing Branch or Office].....

**Beneficiary** : .....[Name and Address of Employer]  
.....

**Date** : .....

**PERFORMANCE GUARANTEE NO :** .....

We have been informed that .....[name of Contractor/ Supplier] (hereinafter called "the Contractor") has entered into Contract No. ....[reference number of the contract] dated

.....with you, for the ..... [insert " construction"/ "Supply"] of  
.....[name of contract and brief description of Works] (hereinafter called "the Contract")

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

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

This guarantee shall expire, no later than the .....day of ....., 2026 [insert date, 28 days beyond the scheduled contract completion date] and any demand for payment under it must be received by us at this office on or before that date.

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)]