



Supply, Install, Configure, Handover and
Maintenance of Camera System for Crude SPBM

B /08/2020

INVITATION FOR BIDS
CEYLON PETROLEUM CORPORATION

SUPPLY, INSTALL, CONFIGURE, HANDOVER AND MAINTENANCE OF
CAMERA SYSTEM FOR CRUDE SPBM OF CEYLON PETROLEUM
CORPORATION

B/08 /2020

The Chairman, Departmental Procurement Committee, on behalf of the Ceylon Petroleum Corporation (CPC), Sri Lanka invites National / International Competitive Bids from eligible and qualified bidders for Supply, Install, Configure, Handover and Maintenance of Camera System for Crude SPBM (Single Point Buoy Mooring).

Bidding documents can be obtained between **0900 hrs. and 1500 hrs. up to 03.04.2020** from the office of Manager (Procurement & Stores), Ceylon Petroleum Corporation, 1st. Floor, No. 609, Dr. Danister De Silva Mwt., Colombo 09, on a written request and on payment of non-refundable fee of Rs. 1,000.00 (Rs. 925.63 + 8% VAT).

The Bid will be closed at **1400 hrs. on 06.04.2020** and opened at the Office of Manager (Procurement & Stores), immediately after closing time of the Bid. Bidders or their authorized representatives will be permitted to be present at the opening of the Bid.

Bids may be sent by post under registered cover or may be deposited in the Tender Box kept in the Office of Manager (Procurement & Stores) at the above address.

Bidding Documents may be inspected at the above office up to 1500 hrs. on 03.06.2020. The Bidding Document is also available in the website www.ceypetco.gov.lk for inspection.

A site visit has been arranged at 0830 hrs. on 20.03.2020 at site.

Clarifications (if any) shall be sought from the under mentioned Telephone/Fax numbers.

Chairman,
Procurement Committee,
C/o Manager (Procurement & Stores)
Ceylon Petroleum Corporation,
01st Floor,
No. 609, Dr. Danister De Silva Mwt.,
Colombo 09.
Tele : 5455330, 5666225
Fax : 5455424

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Section - 01

1 INSTRUCTIONS TO BIDDERS (ITB)

1.1 Introduction

The Chairman, Departmental Procurement Committee (Minor) on behalf of the Ceylon Petroleum Corporation (CPC), Sri Lanka invites National / International Competitive Bids from eligible and qualified bidders for Supply, Install, Configure, Handover and Maintenance of Camera System for Crude SPBM (Single Point Buoy Mooring).

This solution should include,

- I. Camera System for SPBM (As per the Annexure – A)
- II. Install / Configure Recording Storage at Head Office Server Room, CPC
- III. Viewing Station for following locations,
 - Head Office Technical Services Function
 - Colombo Port Oil Facilities Department

Ceylon Petroleum Corporation (CPC) was set up as a main source for supply of energy in Sri Lanka established in 1961. It took over the entire business of imports, sales and distribution of Petroleum products within the country.

Single Point Buoy Mooring (SPBM) Crude Oil discharging facility located atis used by CPC for discharging the imported Crude Oil cargoes in to the shore tanks. The shore tanks are at Orugodawatte and at Sapugaskanda Refinery. This SPBM facility consists of the floating Buoy, Floating Hose String and a Hawser for holding the assembly of hose strings. The floating hose string consists of 25 Hoses combined together and this assembly is floating on top of the water and subject to the shear forces of the waves.

Head Office of CPC is located in Colombo 09, Sri Lanka & Oil facilities function locate inside the Colombo Port. Solution required locations & details shows in ANNEXURE – B in this document.

1.2 Eligibility Criteria

- I. The Bidder or the Bidders group of company should be ISO 9001 certified (For most innovative standards in management of all key business processes) and the relevant ISO 9001 quality certificates to this effect should be enclosed with the Bid.
- II. Bidder shall have proven experience in supplying and installation of at least one similar nature project locally or internationally using the products quoted by the Bidder. (proof document shall be submitted along with the Bid).
- III. The Bidder or the bidders group of company should have an average annual turnover of at least 50 Million LKR or above for local bidders or US\$. 1,000,000.00 or above for a period of last **5 years**. Audited accounts for the said period shall be submitted to substantiate this requirement.
 - a. The bidder or the lead party in case of a joint venture which participate in this bid shall submit the certified copies of audited accounts (profit & loss Account & balance sheet only) of the company for the last **3 years**.
 - b. The bidder should possess a minimum of **10 Million** LKR for local bidders or US\$. 200,000.00 International Bidders net liquid assets (Current assets – Inventory – Current Liabilities) and or / credit facilities for this project (document evidence should be submitted). (if bidder not attached proof document CPC consider bid is non-responsive)
 - c. The bidder should submit all pending claims, arbitrations or other litigations witch not exceed 50% of Bidder's net worth.
- IV. The bidder or its subsidiaries or affiliated companies should not be blacklisted by any government institution during the past **10 years**. Bidder should submit a letter mentioning this criteria.
- V. The bidder shall have been in the business as of the nature of the goods and services of this contract for at least **05 years** from the date of the registration. Documentary evidence shall be produced to this effect.
- VI. The Bidder should be an Authorized Service Provider for quoted product. Bidder should provide manufacture Authorization letter for this bid.

(Bidder should submit authorization letter to bid this solution. If manufacture authorization letter not attached with bid CPC treat offer as non-responsive)
- VII. Bidder should submit BOQ duly completed and signed
- VIII. Bidder should submit Form of Bid duly completed and signed
- IX. The bidders must have registered company with local office in Sri Lanka

1.3 Basis of Bid

- 1.3.1. Bids are to be forwarded on the basis of Supply, Install, Configure, Handover and Maintenance of Camera System for Crude SPBM of Ceylon Petroleum Corporation, Sri Lanka in **Clause 1.1**. Licensed Software, manufacturer's data sheets/books, Manuals, Spare parts catalogues to be supplied along with the equipment.
- 1.3.2. Bids are to be forwarded for the Supply, Install, Configure, Handover and Maintenance of Camera System for Crude SPBM of Ceylon Petroleum Corporation as per the Technical Specifications and Conditions stipulated in the Bid document.
- 1.3.3. Additional services provided by the Bidder not covered in this Invitation to Bid shall be stated separately and to be supplied free of charge. If no exceptions are stated, CPC would assume that Bidder conforms to most stringent conditions of the Bid document.

1.4 Issue of Bid Document

Bid documents will be issued up to 1500 hrs on 03.04.2020. Any intending Bidder shall purchase Bid document Rs. 1,000.00 (In cash) from Manager Supplies, Ceylon Petroleum Corporation, 1st Floor, "CEYPETCO NIWASA", No. 609, Dr. Danister De Silva Mawatha, Colombo 09, Sri Lanka.

Bid Document will consist of the following and should be read in conjunction with any addenda.

Section 01 - Instructions to Bidders (ITB)

Section 02 - Conditions of Contract (COC)

Section 03 - Scope of the work

Section 04 - Technical Specifications

Section 05 – BOQ

Section 06 – Annexure

1.5 Documents to accompany the Bid

All Bids should contain adequate particulars in respect of the items offered.

Failure to furnish the following documents and requested details with the bid document may result in the Bid being rejected. All documents shall be furnished in English language.

	Required Documents	Compliance (Yes/No) Attachment No.
1.	BOQ (Section 05) duly completed and signed	
2.	Form of Bid (Annexure 01) duly completed and signed	
3.	Bid Security (Annexure 02)	

4.	Proposed Solution Document (If bidder not attached proposed solution with bid document CPC consider bid as non-responsive)	
5.	Compliance sheet of Scope of work(If bidder not attached Compliance sheet CPC consider bid as non-responsive)	
6.	Compliance sheet of Technical Specification(If bidder not attached Compliance sheet CPC consider bid as non-responsive)	
7.	Project Plan	
8.	Scope of work Document for Each Solutions	
9.	Name of Manufacturer and Country of Origin	
10.	Company profile of the Accredited Local Agent	
11.	Detail specification of the Equipment offered	
12.	Manufacturer's Guarantee for Items offered (If applicable)	
13.	Quality Certificate for Items offered from internationally recognized Institution.	
14.	A list of recommended spare parts for 3 years operation, shall be submitted and cost shall be indicated separately (not a basis for evaluation)	
15.	Variations and / or deviations from specifications, if any, should be indicated.	
16.	Manufacturer's letter of authority to quote and supply the proposed equipment	
17.	Past Performance on similar works – Bidders should forward past supply records of the brand offered within Sri Lanka for the past 5 years together with supply / contract details of system installed	
18.	Every bidder will be required to meet the specification hereof. Where the specification cannot be met, reasons thereof shall be explained	
19.	A copy of the valid Certificate of Registration issued by the Registrar of Companies together with the offer.	
20.	Proof documents for clause 1.2 eligibility criteria in section 01.	

Every Bidder will be required to initial and submit each page of the bidding document including drawings, relevant catalogues and other details along with the Bid.

1.6 Sealing and marking of Bids

Bids shall be submitted in duplicates as per the conditions specified in this Bid document/ The original and the duplicate of the Bid should be placed in separate envelopes marked 'ORIGINAL', 'DUPLICATE'. Both envelopes should be enclosed in one securely sealed cover, which should be marked **"BID FOR THE SUPPLY, INSTALL, CONFIGURE, HANDOVER AND MAINTENANCE OF CAMERA SYSTEM FOR CRUDE SPBM OF CEYLON PETROLEUM CORPORATION."** (The Invitation to Bid title) on the top left hand corner and the statement, **"DO NOT OPEN BEFORE 1400 hrs. On 06.04.2020"** (to be completed with the time and date specified in the Bid document) and shall be addressed to ;

Chairman,
Departmental Procurement Committee (Minor),
Bid for the Supply, Install, Configure, Handover and Maintenance of Camera System for
Crude SPBM of Ceylon Petroleum Corporation,
Supplies Function,
Ceylon Petroleum Corporation,
1st Floor, "CEYPETCO NIWASA",
Dr. Denister De Silva Mawatha,
Colombo 09,
Tel. 5455330/5666225 Facsimile: 5455424

If the outer envelope is not sealed and marked as required above, the CPC will assume no responsibility for the Bids being misplaced or premature opening. If the outer envelope discloses the Bidder's identity, the CPC will not guarantee anonymity of the Bid submission but this disclosure will not constitute grounds for Bid rejection.

1.7 Period of Validity of Bids

- 1.7.1 All offers shall be valid for a minimum period of 77 (Seventy Seven) days from the closing date of the Bid. Bidders should however, clearly indicate the maximum period that their offer would be valid. A Bid valid for a shorter period will be rejected as non-responsive.
- 1.7.2 Prices indicated in the BOQ (Section 05), shall be firm and shall not be subjected to any price variation for acceptance by CPC within the period of validity stated in (Clause 1.6.1) above.
- 1.7.3 Price for 3 years comprehensive warranty, service charges & price of spare parts/equipment should be firm and valid during the 3 years warranty period.

1.8 Format and Signing of Bids

The Bidder shall prepare an Original and a Duplicate of the Bid specified above, clearly marking as, "**SUPPLY, INSTALL, CONFIGURE, HANDOVER AND MAINTENANCE OF CAMERA SYSTEM FOR CRUDE SPBM OF CEYLON PETROLEUM CORPORATION**" as appropriate. In the event of any discrepancy between the Original and Duplicate, the Original shall govern.

The Original and the Duplicate of the Bid shall be typed, or written in indelible ink, and shall be signed by the Bidder, or person(s) duly authorized to bind the Bidder to the Contract. **All pages of the Bid except for un-amended printed literature shall be initialed by the persons(s) signing the Bid.**

Any inter lineation, erasures or over-writing shall be valid only if they are initialed by the persons signing the Bid.

1.9 Clarification of Bid Document

A prospective Bidder requiring any clarification of the Bid document should notify CPC in writing by hand or post or facsimile at the CPC's mailing address indicated in ITB **Clause 1.6**. **Similarly if a Bidder feels that any important provision is unacceptable, such objection should be raised at this stage.** CPC will respond in writing to any request for clarification or modification of the Bid document that is received not later than Seven (07) days prior to the deadline of submission of Bids prescribed by the CPC. Copies of the CPC's response will be sent to prospective Bidders within Three (03) days prior to the closing of the Bid who have collected Bid documents.

1.10 Site Visit Arrangement

CPC will arrange site visits on 0830 hrs. on 20.03.2020 (if more request available CPC will arrange second site visit [single bidder can apply only one site visit and maximum No. of participant to shall be two)

Bidders should submit request letter for site visit nominating maximum two (2) persons including following details prior two working days in schedule date.

- Letter should contain Full Name & NIC/Passport numbers.
- Equipment required to carry out survey / site visit with serial numbers
- 2 no of copies of National Identity Card or Driving License or Passport.

Bidders should have to present Colombo port main entrance before 30 minutes of the schedule time. CPC will provide transport from Colombo port main entrance to SPBM.

Bidders must have to participate site visit to submit bid.

1.11 Deadline for Submission of Bids.

Chairman, Departmental Procurement Committee (Minor), CPC must receive Bids at the address specified under ITB **Clause 1.6** not later than the time and date stipulated.

Chairman, Departmental Procurement Committee (Minor), CPC may at his discretion, extend this deadline for submission of Bids, by amending the Bid documents, in which case all right and obligations of CPC and the Bidders will thereafter be subjected to the deadline as extended.

Each Bidder shall submit only one offer. If the Bidder wishes to submit more than one offer or an alternate offer, it shall be submitted as a separate Bid.

1.12 Late Bids

Any Bid received by the Chairman, Procurement Committee CPC, after the deadline for submission of Bids, will be rejected and returned unopened to the Bidder.

1.13 Modification, Substitution & Withdrawal of Bids

The Bidder may modify or withdraw his Bid after submission, provided that written notice of the modification or withdrawal is received by the CPC, prior to the deadline prescribed for Bid submission.

The Bidder's modifications shall be prepared, sealed, marked and dispatched as follows;

The Bidders shall provide an Original and a Duplicate as specified in the ITB **clause 1.6** of any modifications to his Bid, clearly identified as such in two envelopes, duly marked **"SUPPLY, INSTALL, CONFIGURE, HANDOVER AND MAINTENANCE OF CAMERA SYSTEM FOR CRUDE SPBM OF CEYLON PETROLEUM CORPORATION"**. The envelopes shall be sealed in an outer envelope, duly marked **"BID MODIFICATIONS"**.

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 addressed to the:-

Chairman,
Departmental Procurement Committee (Minor),
Bid for the Supply, Install, Configure, Handover and Maintenance of Camera System for
Crude SPBM of Ceylon Petroleum Corporation,
Procurement & Stores Function,
Ceylon Petroleum Corporation,
1st Floor, "CEYPETCO NIWASA",
No.609, Dr. Denister De Silva Mawatha,
Colombo 09,
Sri Lanka.

Bearing the Bid name and the words "BID WITHDRAWAL NOTICE". Bid withdrawal notices received after the deadline for submission of Bids will be ignored, and the submitted Bids will be deemed to be valid.

1.14 Closing of Bids

Bids, sealed and addressed as aforesaid, shall be sent under Registered Cover to reach:
Chairman,
Departmental Procurement Committee (Minor),
Bid for the Supply, Install, Configure, Handover and Maintenance of Camera System for
Crude SPBM of Ceylon Petroleum Corporation,
Procurement & Stores Function,
Ceylon Petroleum Corporation,
Ceylon Petroleum Corporation,
1st Floor, "CEYPETCO NIWASA",
No.609, Dr. Denister De Silva Mawatha,
Colombo 09,
Sri Lanka.

Not later than **1400 hrs.** Sri Lanka local time on **06.04.2020.** If the Bidders or their representatives choose not to send their Bids under Registered Cover, they could deposit such Bids in the Bid Box provided for this purpose at the office of the,

Manager (Procurement & Stores),
Procurement & Stores Function,
Ceylon Petroleum Corporation,
1st Floor, "CEYPETCO NIWASA",
No.609, Dr. Denister De Silva Mawatha,

Colombo 09,
Sri Lanka.

1.15 Opening of Bids by CPC

Bids will be opened immediately after the closing date and time fixed for receipt of Bids, at the,

Manager (Procurement & Stores) Office,
Ceylon Petroleum Corporation,
1st Floor, "CEYPETCO NIWASA",
No.609, Dr. Denister De Silva Mawatha,
Colombo 09,
Sri Lanka.

Or such other place as arranged if the Manager (Procurement & Stores)'s office is not available.

The Chairman, Departmental Procurement Committee (Minor), CPC or his nominated representative will open the Bids in the presence of the Bidders and/or their representatives, who choose to attend at the time on the date and at the opening place specified in the Invitation to Bid. Bidders and/or their representatives shall sign a register as proof of their attendance.

The Bid Prices, discounts, and Bidder's names, the presence or absence of the requisite Bid Security Guarantee and other such details, which the CPC at its discretion, may consider to be appropriate, will be announced, at the opening. Late Bids will not be entertained and will be returned unopened to the Bidder.

Bids (and modifications sent pursuant to ITB Sub **Clause 1.11**) that are not opened will not be considered for evaluation, regardless of the circumstances.

1.16 Bid Security

Each Bid shall be accompanied by a Bid Security Guarantee, undertaking that the offer will be held for the specified period, and that the offer will not be withdrawn during that period. Such security shall be in the form of a Bank Guarantee issued by a recognized Commercial Bank in Sri Lanka and payable to the CPC on demand in a sum of Sri Lankan Rupees 200,000/- .

Bank guarantee should be valid for 107 days from the closing date of bids.

Failure to submit the Bid Security Guarantee at the time, or before the closing of Bid, and in accordance with above said requirements, and in the format provided, will result in the Bid being rejected.

Bid Security Guarantee from unsuccessful Bidders will be returned to them after the award is made to the successful Bidder. The Bid Security Guarantee of the successful Bidder will be returned only after receipt of the **Performance Guarantee**.

1.17 Bid Price

Bidder shall submit the Bid in BOQ attached indicating Offer Validity, Delivery Period, Country of Origin, etc... Rates quoted shall be computed on the basis of Supply, Install, Configure, Test, Commission & Hand over and Maintain the system, showing,

- I. Cost of Camera and other required accessories
- II. Cost of Power Generation
- III. Cost of Hardware Requirements
- IV. Cost of Licensing
- V. Cost of Software Requirement
- VI. Installation & Commissioning charges should be stated Separately
- VII. Should indicate /include comprehensive annual maintenance cost including labor

Bidders are also required to duly sign and return the BOQ – marked Schedule indicating their offers in detail together with the Pro-forma Invoice.

Bidders are required to indicate the amount of VAT separately with VAT Registration No.

Prices not submitted on the prescribed form and in the manner required are liable for rejection.

1.18 Declaration

Bidders should declare that they have read the 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 (**Annexure 01**) is attached.

1.19 Pricing

Prices should be quoted in Sri Lankan Rupees/United States Dollars

1.20 Taxes/Duties/Etc.

All applicable taxes should be clearly and separately mentioned in the Bill of Quantity (BOQ).

1.21 Preliminary Examination of Bids

The 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. The CPC may, at its discretion call clarifications from Bidders.

The request for clarification and the response shall be in writing within 5 working days from the clarifications and no change in the price or substance of the Bid shall be sought, offered or permitted.

1.22 Correction of Errors

1.22.1 Bids determined to be substantially responsive will be checked by the Employer for any arithmetic errors. Errors will be corrected by the Employer as follows:

- (a) Where there is a discrepancy between the amounts in figures and in words, the amount in words will govern; and
- (b) 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.
- (c) 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.
- (d) 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.
- (e) If the bidder does not accept the corrected amount of bid, its bid shall be rejected and the bid security may be forfeited.

1.22.2 The Offers containing erasures or alterations will not be considered. There should be no hand-written material, corrections or alterations in the offer. Technical details must be completely filled in. Correct technical information of the product being offered must be filled in. Filling up of the information using terms such as “OK”, “accepted”, “noted”, “as given in brochure/manual” is not acceptable. The CPC may treat such Offers as not adhering to the tender guidelines and as unacceptable. If correction or amendment required in document before closing the bid, bidder should correct and put the authorized officer’s signature (Who is authorized by form of Bid) with company seal.

1.23 Evaluation of Bids

The CPC will carry out a detailed evaluation of the Bids, to determine whether the Technical aspects are properly addressed and the Bids are substantially responsive.

The evaluation methodology will comprise:

Technical Evaluation of Bids:

Specifications and supporting technical catalogues in compliance with Technical Specifications of this Bid document including the information/details requested Under **(Clause 1.5)** of ITB.

1. Duly filled and signed
 - General Conditions of the bid
 - Form of bid
 - Clause by clause compliance statement for Conditions of Contract
2. Bid Security
3. Manufacture / Supplier Authorization
4. Partnership or joint venture agreements (If Applicable)

5. Bidder/Vender declaration form
6. Past supply records of the offered brands in installed systems successfully operating in globally
7. Proposed Technology & Usability.
8. Technical Compliance and Solution
9. Methodology of Project Management
10. Trainings
11. Availability & After Sales Services details
12. Other documents requested for this bid, should be enclosed.

Criteria, sub-criteria, and point system for the evaluation of Technical Proposals shall be as follows;

	<u>Points</u>
(i) Previous experience	
I. Previous similar nature experience relevant to the project (Marine / Oil & Gas Industry bidder)	[10]
II. Previous similar nature experience relevant to the project (Marine / Oil & Gas Industry – Offered Product)	[20]
(ii) Adequacy of the proposed methodology and work plan in responding to the Terms of Reference:	
a) Technical approach and methodology	[15]
b) Work plan & Compliance of Project scope	[25]
(iii) Communication Methodology for SPBM to Head office / Oil Facilities Building	[15]
(iv) Standard Compliance for SPBM Camera Solution	[15]

Total Technical Marks [Final Technical Weight(FTW)] - 100 Points

Minimum point that shall be obtained for Technical Evaluation of Bids shall be 70 points.

Financial Evaluation of Bids

The financial Bids of the Bidders those who have successful in Technical Evaluation of offers by obtaining 70 points will be opened. The comparison of the total prices of Supply, Install, Configure, Handover and Maintenance of Camera System for Crude SPBM including 3 years comprehensive warranty will be considered for financial evaluation of offers.

1.24 Training

Successful bidder should have to provide following trainings for CPC nominated Staff.

1. Technical Training - for selected IT staff for configuration and provide support services to operation
2. Operational Training – for who are the users operate in this system.

1.25 Procurement Committee's right to accept or reject any or all Bids

- 1.25.1 The Procurement Committee will not be bound to make the award to the Bidder submitting the lowest offer.
- 1.25.2 The Departmental Procurement Committee (Minor) reserves the rights to reject any or all Bids or any part thereof, without adducing any reasons. The Procurement Committee may accept any or all items of an offer and reserves the right to increase or decrease the number of units to be contracted for, at prices indicated in the Schedule of Prices.

1.26 Notice of Acceptance

Acceptance of bid will be communicated by fax / E-mail and confirmed in writing by registered post to the successful bidder to the address given by him in the tender form, soon after the receipt of the decision of Departmental Procurement Committee (Minor). Any change of address of the bidder should be promptly notified to the Chairman, Departmental Procurement Committee (Minor), Supplies Function, Ceylon Petroleum Corporation, 1st Floor, "CEYPETCO NIWASA", No.609, Dr. Danister De Silva Mawatha, Colombo 09.

1.27 Award Criteria

Subject to ITB **Clause 1.25** the Departmental Procurement Committee (Minor) will award the contract to the successful Bidder, whose Bid has been determined to be substantially responsive, lowest evaluated Bid provided that the Bidder is determined to be qualified to perform the contract satisfactorily.

The successful Bidder will be called upon to Supply, Installation/Migration/Upgrade, Commissioning and Handing over of Microsoft License, Email service and Centralized Management & Monitoring Solution (With Software Assurance (SA)) for Ceylon Petroleum Corporation the said System at the locations specified in **Clause 1.1** conforming to Technical Specifications, Conditions of contract and strictly on the agreed schedule for Completion as per **Clause 2.3** of COC.

The successful Bidder will be called upon to enter into an Agreement with CPC. A specimen **Form of Agreement** is attached as **Annexure 03**.

1.28 After Sales Services and Maintenance

Bidder shall indicate availability of after sales services and maintenance facilities in detail with the offer for the purpose of evaluation. Faulty equipment replacement shall be immediate with a guaranteed service level agreement (to be signed with the bidder after the award of the contract).

The supplier will be required to enter into a service / maintenance agreement with the CPC to cover maintenance requirements of all types of equipment supplied and to attend to any software or hardware problems connected with the installed communication infrastructure at the end of the compulsory warranty period of **36 Months** annually renewable

Section 2.0

2 CONDITIONS OF CONTRACT (COC)

2.1 Bidder's Standard Conditions of Sale

Bidder's standard conditions of sale usually printed on the reverse side of the Performance Invoice or in a separate format will **not be Accepted**. The Conditions of Bid of CPC will prevail.

2.2 Performance Guarantee

The successful Bidder, on being notified by CPC of the acceptance of his Bid, shall furnish at his own expense a Performance Guarantee, within fourteen (**14**) days of such notification through/confirmed by a recognized Commercial Bank in Sri Lanka, in a sum equivalent to **10%** of the value of the accepted Bid. The Performance Guarantee shall be substantially in the format given in **Annexure 04**.

If the successful Bidder fails to furnish the Performance Guarantee as aforesaid, his name will be placed in the list of defaulting Contractors.

The successful Bidder, in the event of his failure to furnish the Performance Guarantee 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 Guarantee shall be forfeited.

The Purchase Order will be released only after the receipt of the Performance Guarantee. The Performance Guarantee shall be in favor of the CPC, and shall be valid for a period not less than sixteen (16) weeks from the date of letter of award.

To expedite opening of Letter of Credit, the Supplier/Principal shall on his own account instruct his Bank to Fax CPC. Date, Amount and validity period of the Performance Guarantee.

2.3 Delivery & Implementation

Selected bidder should have to deliver required items without any cost to CPC. (ex. transportation, taxes, duty etc...) Transportation from Colombo port oil facilities to Crude SPBM will provide by CPC without any cost. Vendor should get prior approvals from CPC for deliver goods to SPBM. After receiving bidders request CPC will arrange transportation to SPBM when resources available. (Tug or boat)

Vendor should have to provide item / products details & employees details (who are involve to delivery, installation & configuration of item / product) for make entry permissions and clearance.

All project related goods / items should be delivered under the observation of CPC IT function observation. Item delivery location details show in ANNEXURE – B in bid document.

2.4 Schedules for Completion (Project Period)

Supply, Installation, Commissioning, Handing over shall be completed within **12 weeks** from the date of receipt of the letter of award.

Note: The SPBM CCTV installation work will allow only when tanker operation not happened. Therefore, SPBM shall be released for the work during the interval when tankers are not scheduled for unloading at the SPBM. Tentative tanker berthing scheduled for two months period will be provided to the contractor by CPC, before commence the work.

2.5 Project Time Schedule

Bidders **must** provide their project time schedule by **Gantt chart** with bid and also provide their **progress report weekly** to CPC IT function during the Project Implementation stage.

If the bidder fails to complete the project within the stipulated time schedule or by the date extended by the CPC, it will be a breach of contract and would attract penalty. (As per the penalty clause)

At the discretion of CPC, there will be an acceptance test conducted by the bidder in presence of CPC officials and/or its nominated consultants after installation of complete solution.

2.6 Costs and Currency

The Offer must be made in Sri Lankan Rupees (LKR) or USD. Bidder should mention per item cost separately (BOQ Items) for bidder's proposed solution in LKR or USD. The cost will be including the following things:

1. Cost of the software
2. Cost of the hardware & other equipment
3. Communication Cost
4. Power generation & cabling cost.
5. Installation, Customization, Commissioning and implementation charges
6. Should include three years of comprehensive service & warranty. This warranty period will start from the date of acceptance.
7. Packing, Forwarding and Transportation charges up to the site if any.
8. Cost of Maintenance/Monitoring/Management and onsite support for 3 years.
9. Value addition cost (if there is any) is to be shown separately

2.7 Mode of Payment

Final payment shall be made at the time of the acceptance of the Supply, Install, Configure, Handover and Maintenance of Camera System for Crude SPBM. Part payment can be schedule as follows when bidders request.

Delivery of All Active components	30 % of BOQ Value
Delivery and installation completion of all equipment with commissioning equipment	30% of Bid Value
After Completion and handing over the project	Balance 40% of Bid Value

Note (A): 20% of the total contract value will be made as a Mobilization Advanced Payment to the successful contractor on submission of a bank guarantee from a recognized commercial bank operating in Sri Lanka and approved by the Central Bank of Sri Lanka. The advanced payment made will be recovered from the stage payments at the rate of 25% until the full advanced payment is settled.

Note (B): 5% will be withheld from each payment as retention money up to the completion of **03 years** warranty period.

2.8 Defaults by Successful Bidder

If the successful Bidder, defaults in the supply or otherwise commits a breach of any of the provisions in the Contract with CPC for the Supply, Install, Configure, Handover and Maintenance of Camera System for Crude SPBM according to the Technical Specifications, inability provide solution or failure to follow rules & guideline given by bid document, the CPC has the right to forfeit the performance guarantee of the supplier.

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 **Annexure 01** is attached.

2.9 Assurance on Delivery

The successful Bidder will be called upon to Supply, Install, Configure, Handover and Maintenance of Camera System for Crude SPBM conforming to specifications and strictly abide by the agreed completion date from the date of letter of award.

2.10 Force Majeure

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

2.11 Service Facilities

Accredited local agents submitting offers on behalf of their principals shall possess a fully equipped service facility with trained technician to provide after sales services. Details of such facilities and resource personal available shall be given in the bid

2.12 Penalties

1 / 2000 of the contract value of the project per day for the delay of completion of project to the maximum of 10% of the contract value. If the contract is further delayed, CPC have the right to cancel the contract without further payment to the contractor.

2.13 Arbitration

If during 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 to for Arbitration.

Arbitration shall be conducted under the rules of the Arbitration Centre of the Institute of the Development of Commercial Law & Practice (ICLP) in Sri Lanka & in accordance with the Arbitration Act No. 11 of 1995 of Sri Lanka. The Place of Arbitration shall be Colombo, Sri Lanka.

2.14 Integration with existing IT Infrastructure

Proposed solution should seamlessly integrate with existing IT infrastructure of CPC. (If required)

2.15 Indemnity

The vendor shall indemnify, protect and save the CPC against all claims, losses, costs, damages, expenses, action suits and other proceeding, resulting from infringement of any law pertaining to patent, trademarks, copyrights etc. or such other statutory infringements in respect of all the Software supplied by them.

2.16 Publicity

Any publicity by the vendor in which the name of the CPC is to be used will be done only with the explicit written permission of the CPC.

2.17 Guarantees

The vendor should guarantee that the camera solution (mention in this bid document) delivered to the CPC are brand new, including all components. In the

case of solution, the vendor should guarantee that the proper solution supplied to the CPC is licensed and legally obtained.

2.18 Local Support

The vendor should be capable of meeting the service & support standards as specified in this bid. Vendors are also required to submit along with their offer a detailed support plan providing complete details like address of the support center, number of service engineers available along with their names, telephone/mobile numbers, fax number.

2.19 Service, Maintenance & Bidders Experience

2.19.1 The bidder must have a proven Help Desk system available 24X7 to record technical and remediate complaint calls and all such complaints should be logged together with the date and time. The Bidder should submit a detail process outline of the same. The details of the service centers should be provided with the bid document

2.20 Annual Maintenance Charges (AMC)

The bidder is required to quote separately for Annual Comprehensive Maintenance charges. (Calculate After compulsory 3 year period) This rate should be quoted as:

- First year comprehensive on-site maintenance charges (4th Year)
- Second year comprehensive on-site maintenance charges (5th Year)
- Third year comprehensive on-site maintenance charges (6th Year)

2.21 Service Agreement Details

Bidders must provide their Service / Maintenance Agreement including the following

1. Staff Strength
2. Preventive Maintenance
3. System and Network Security
4. Service document containing the services to be provided in Package/s in detail such as mobilization, hourly rates at site, etc. Further include Contact Name, Phone No, and any other relevant details
5. Annual maintenance cost
6. Terms and Conditions of the Maintenance Agreement
 - a. Limitations to Service
 - b. Refund Policy

- c. Delivery / Shipping
 - d. Services Warranty
 - e. Hardware Warranty
- 7. Any other support services to be provided
- 8. Obligations of the Customers
- 9. Disclaimer of warranty and Limitation of Liability.
- 10. Confidentiality

Section 03.

3 SCOPE OF THE WORK

3.1 Scope of the Bid

Bidders must provide their Proposal and provide relevant equipment's and Materials according to their Proposal. The equipment offered should be proven products and not prototypes.

The work included should not be limited to the following:

1. Install, configure & test surveillance system in SPBM. (as per the ANNEXURE – A)
2. Surveillance cameras should be installed on automatic stabilizing platforms
3. Introduce and install, configure & test suitable communication method for transferring camera video streaming to CPC Head office and Colombo port oil facilities function.
4. Store video streaming of all SPBM cameras output at head office datacenter. (Minimum 45 days recording required)
5. Provide proper power generation mechanism / equipment and power warning for the equipment installed SPBM under this contract. Power generation should be higher than required total power demand of SPBM. (Total SPBM power requirement should be maximum 60% of total power generation)
6. Offered SPBM equipment should be operate in following environments / conditions
 - a. Suitable for on shore wind / sea breeze
 - b. Suitable for rough sea situation
 - c. Suitable for behaviors of sea birds
7. The service provider will be required to conduct complete service & maintenance services of all equipment on every six month period for the compulsory 3 year period of the contract.
8. Bidder should have to follow industrial & environment standards for the installation.
9. Offered product should comply suitable industrial & environment standards.
10. All outdoor equipment must be IP68 (Ingress Protection) or higher
11. All equipment installed in SPBM must be explosion proof certified & suitable for hazardous area operation. (certification details should be attached with bid)
12. Bidder offered camera model suitable for Day & night operations.
13. System should be capable to add additional viewing stations as per the future requirements.
14. Lightning protection should include with proposed solution.
15. Proposed system should support for multiple viewing stations locate in different locations.

3.2 Supply of Licenses

The Bidder should supply all the necessary media and licenses as per the proposed solution.

3.3 General Scope of work

1. Provide a detail description of the solution offered including architectural design, implementation plan, project management methodologies, engagement duration schedule in Gantt chart, product description & strength, system components etc.
2. Vendor must perform UAT before handing over the solution.

3.4 Manuals and Software

The vendor will supply along with each equipment / Software /Hardware, all the related documentation and software. These will include but not restricted to user manual, operation manual, operating system, other software, drivers etc.

Section 04.

4 Technical Specifications & Compliance

The response to the technical specifications is mandatory to provide the technical details in the exact format given in this tender. For each and every item, the required feature is "Fully Complied", "NOT Complied" or "Partially Complied" is to be indicated in the relevant column

The offer may not be evaluated / may be rejected by the CPC in case of non-adherence to the format or partial submission of technical information as per the format given in the offer.

The CPC shall not allow/permit changes in the technical specifications in this bid.

The relevant product information, brand and Version number offered, printed product brochure, technical specification sheets etc. should be submitted along with the Offer. Failure to submit this information along with the Offer could result in disqualification of the offer.

All technical proposals which are not adhering to the above guideline would be treated as incomplete and be rejected.

Bidder should have to submit all technical details with data sheet & other relevant documents. Bidder should complete following format with respective details. Following specification are only indicative minimum requirement for CPC requirement. Bidder should have to submit specification suitable for proposed solution. (Please do not propose equipment which are not meet given minimum specification)

Bidder should have to provide technical details as following format for each quoted product / item.

Technical Specification		Bidder Response	Technical References (Page Number)
1	Make**		
2	Model**		
3	Country of Origin**		
4	Country of Manufacture **		
5	Manufacture Warranty and Services (period in years) **		
Technical Details			
6		
7		
xx	Total Power Consumption for Operation **		
xx	Power Supply & Voltage		
xx	Standards Compliance***		

** Mandatory field to specify

*** Standards applicable for oil & Gas industry, marine industry and safety

If technical specifications for offered items not in said above format CPC treat as nonresponsive offer.

Given Minimum Specification

This item might be change according to bidders proposed solution. Bidder should use this specification as guidance for bidders' proposal.

4.1 Surveillance System for SPBM

- SPBM installed equipment and accessories should be marine grade & explosion proof.

4.1.1 Technical Specification for the Fixed Camera

Should be install in Installed on SPBM

- Image Sensor - 2 MP CMOS Image Sensor
- Minimum Illumination 0.01lux @(F1.2,AGC ON) ,0 Lux with IR
 0.02lux @(F1.4,AGC ON), 0 Lux with IR
(Should support day & night operation in high sea)
- Maximum Resolution - 1920×1080
- Day & Night IR cut filter with auto switch
- Video Compression H.264 / MJPEG
- High Digital Noise Reduction should be available
- Wide Dynamic Range should be available
- Protocols TCP/IP, ICMP,HTTP,HTTPS,FTP, DHCP,DNS,DDNS,RTP,RTSP,RTCP, PPPoE,NTP,UPnP,SMTP,SNMP,IGMP, 802.1X,QoS,IPv6
- Resolution/Frame Rate -Video Frame Rate 50Hz: 25fps(1920 × 1080), 25fps (1280 × 960), 25fps (1280 × 720)
- Image Setting - Rotate mode, Saturation, Brightness, Contrast adjustable by client software or web browser
- Network Storage NAS (Support NFS,SMB/CIFS)
- Motion Detection On/Off, minimum 4 Zones
- On-board storage Up to 128GB Built-in Micro SD/SDHC/SDXC card slot
- Working Temperature/Humidity -10 °C ~ 70 °C humidity 95% or less (non-condensing)
- Weather Proof Rating - IP68
- IR Range - Up to 40m

4.1.2 Technical Specification for the Network Video Recorder

Should be install in Head Office Data Center

- Input Resolution - 8MP/ 6MP/ 5MP/ 3MP/ 1080P/ UXGA/ 720P/ VGA/ 4CIF/ DCIF/ 2CIF/ CIF/ QCIF
- The Video images should be remotely viewable preferably from the intranet / internet
- Supported Streams MPEG-4 or H.264
- Minimum Recording Stream Rate Full channel @720P resolution real-time recording
- Minimum Decoding Capability 40ch @ 1080P
- Storage – should be capable to store minimum 45 days recording for all camera inputs
- Authorization - Multilevel Password Protection
- Power Supply 100 ~ 240 VAC, 50 ~ 60 Hz
- Chassis -19-inch rack-mounted

- The Bidder should provide all related accessories including passive accessories for the successful implementation of the system

4.1.3 Technical Specification for the Video Management Software

- Should be compatible with Third Party Camera (Open Standard)
- Should support MS windows XP/Windows 7(32/64bit)/ windows 8 (32/64 bit)/ windows 10(32/64bit)
- Should support upto 10 users
- Playback must 8 channels at a time & 8 synchronous playback
- Upto 12 users should be supported
- Should support to download 8 channels at a time

4.2 Communication Solution

- Bidder should have proper for transfer video streaming SPBM to Head office and Colombo port oil facilities function.
- All UTP/ STP Cabling must be Cat 6 or higher
- SPBM installed equipment and accessories should be marine grade & explosion proof
- Bidder should provide required active & passive components for the proposed solution.

4.2.1 CAT 6 UTP Cable

- The cabling should confirm to the TIA/EIA 568-B requirements and should be lead free
- Cable box should contain 300m of cables.
- The UTP cable should support Gigabit data rates and should comply to TIA/EIA and ISO category 6 standards
- The structured cabling system should be able to support LAN technologies such as, Fast Ethernet at 100Mbps and Gigabit Ethernet at 1000Mbps.
- All the 4 pairs of the UTP cable should carry 23 AWG solid conductors together with a bandwidth of 250 MHz or greater
- All pairs to be solid core and terminated and color coded in accordance with standards
- Branded cable & all accessories from one manufacturer should be employed throughout the entire installation

4.2.2 CAT 6 STP Cable

- Manufacturer Should be ISO 9001 certified
- The cable should be CAT 6 S/UTP (Shielded/Foiled) Low Smoke Zero Halogen (LSZH) 4 Pair Cable
- Should be packed in spool of at least 300 Meters
- The Cable should meet TIA-568-B.2-1 (CAT 6) and ISO/IEC 11801 (Class EA) requirement
- Should support IEEE 802.3: 10G Ethernet; 1000Base-T; 100Base-T; 10Base-T application.
- The bare copper conductor should be minimum 23 AWG
- The cable polythene insulation should be minimum 1.0mm
- The cable outer diameter should be at least 5.0mm
- The shielding construction of the cable shall consist of 4 individual pair foiled.
- The Operational temperature should be up to 60° C

- Specify the Mutual capacitance upto 100m
- Specify the DC resistance upto 100m
- Specify the Velocity of Propagation
- The cable should strictly comply to the following standards
 - EIA/TIA TIA-568-B.2-1
 - ISO/IEC 11801 Class EA
 - EAIEC 61156-5
 - EN50173

4.2.3 CAT 6 UTP Patch Cord / Cable

- UTP patch leads of maximum 1m length should be provided for connection of patch panel to the Switch
- UTP patch leads of minimum 2m-5m length should be provided for connection of UTP outlet to the active component.
- UTP patch and fly leads should comply with category 6 or higher
- The patch & fly leads should support LAN technologies such as Fast Ethernet (100Mbps) and Gigabit Ethernet (1000Mbps)
- The patch leads and fly should meet TIA/EIA-568B and ISO/IEC standards
- The patch lead should with snag less design and should be factory made, tested and certified.

4.2.4 CAT6 Shielded Patch Cords

- Manufacturer Should be ISO 9001 certified
- Should consist of a Snagless boot design prevents tab breakage during moves, adds, and changes
- The patch cord shall be a 26-gauge, FTP (Foiled Twisted Pair) construction with stranded center conductors.
- The patch shall available in 1m lengths for Patch panel to switch and minimum 2m length for equipment side.
- CAT 6 Shielded patch cord should support 10GbE performance
- CAT 6A patch cords should exceed all TIA/EIA CAT 6 performance requirements
- The patch shall constructed of stranded 26 AWG conductors
- Standard Compliance - TIA/EIA 568-C.2

4.2.5 CAT-6 UTP Patch panels

- The UTP patch panels should support to Gigabit speed data communication
- Patch Panels should comply with Category 6 (or higher) standards based on the selection of the Bidder
- The patch panels should be rack mountable in a standard 19" equipment rack with Real Supporting Bar
- All patch panels should meet TIA/EIA 568 and ISO/IEC standards
- The patch panels shall support to LAN technologies such as Fast Ethernet (100Mbps) and Gigabit Ethernet (1000Mbps)
- Should be available in 24 Ports with Factory with fabricated circuits.
- One cable management panel from the same brand as the patch panels should be included with every patch panel

4.2.6 CAT-6 STP Patch panels

- Manufacturer Should be ISO 9001 certified
- Product Configuration

- 24 Port unloaded shielded straight (flat) patch panel to shield data from electromagnetic and radio frequency interference
- Should be provided with rear support bar for efficient management of incoming cables
- Product Specification
- The panel should meet or exceed TIA/EIA 568-B for Cat 5e, Cat 6, and Cat 6A, FCC part 68, and IEC 60603-7.
- Panels should have a stainless steel plate to provide grounding continuity between connectors and panel
- Should be 1 RU (Rack Unit) height
- Should be 19" Rack Mountable
- Panels should include star washers and grounding lug for panel grounding
- Standard Compliance
- Should comply to TIA/EIA 568-B for Cat 5e, Cat 6, and Cat 6A
- Should Comply to IEC 60603-7
- Should Comply to IEEE 802.3an For 10GBASE-T Connectors

4.2.7 POE 8 Port Ethernet Switch

- Total Switching Capacity at least 30Gbps
- Total Switch Forwarding Capacity at Least 20Mpps or higher.
- Should consist of at least 2 no of 1GigE Fiber Interfaces.
- Should be Industrial Standard 19" Rack Mountable with all relevant accessories for rack mounting.
- Should consist of 08, 10/100/1000Mbps RJ-45 Ports with at least 2 ports supporting PoE+
- Should support at least 8,000 Layer 2 MAC addresses.
- Should support Jumbo Frames
- Should support link aggregation with at least 8 links
- Should support at least 100 VLANs Per System and should have full layer-2 manageable features.
- Hardware Should be 802.3az-2010 compatible (Energy Efficient Ethernet)
- Should be capable to be integrated with the Foundry/Brocade Iron view Network Management platform or else the bidder should provide an alternate network management platform completed with the dedicated rack mountable server platform including the operating system without any cost to CPC (please describe your solution)
- Should support IEEE 802.1x- Authentication for Network Admission Control .
- Specify power consumption on full load

4.3 Power Solution for SPBM

- Bidder should have to propose suitable power generation method for SPBM installed equipment.
- Proposed solution should be suitable for Day & Night operation (24 hrs) and any weather condition of SPBM.
- Proposed power generation and power sources should meet international oil & gas and marine standards.
- Other locations can use building power for source of equipment powering.

4.4 Monitoring Stations

- Bidder should provide two (2) monitoring stations with all related accessories.

4.4.1 Technical Specification for the Monitoring Station

4.4.1.1 Desktop Computer

	Minimum Specification		Bidder's Response	Reference Details
1	Make			
2	Model			
3	Country of Origin			
4	Warranty - 3 Years Comprehensive			
5	Processor	At least Intel Core i7 3.2Ghz 4 cores		
6	Cache Memory	Minimum 6MB cache		
7	Form Factor	Micro Tower		
8	Memory	8 GB DDR3 SD RAM up to 16GB		
9	Memory Slots	4 DIMM Slots		
10	Hard disk drive	1TB SATA , 7200 rpm		
11	Network	10/100/1000 Gigabit Ethernet		
12	Optical Drive	DVD RW		
13	Video			
	13.1	Capacity	1GB	
	13.2	Video Output	Should consist 2 Video / monitor out put	
	13.3	Video Ports	VGA DVI /HDMI	
14	Display	As per the given specification below		
15	Ports			
	15.1	VGA/HDMI	Minimum 2	
	15.2	RJ 45	2 ports	
	15.3	USB	Front -2, Rear -4	
	15.4	Audio	Line in /out, Mic in	
16	Operating System	Genuine Windows 7/ 8.1 Professional or above-64bit License Edition Original License and the media should be provided.		

4.4.1.2 Technical Specifications for Video Wall Monitor

Technical Specification			Bidder Response	Technical References (Page Number)
1	Model			
2	Country of Origin			
3	Country of Manufacture			
4	Warranty 03 Years			
5	Screen Size	42"		
6	Resolution	FHD		
7	Technology	LED		
8	Aspect Ratio	16:9		
9	Brightness	200 nits		
10	Interface	VGA,HDMI		

Section 05.

5 Bill of Quantities

Bidder should have to submit BOQ as per the proposed solution based on following guidance.

5.1 Surveillance System for SPBM

	Item	Quantity	Unit	Rate	Amount
1					
2					
	Total for Surveillance System				

5.2 Communication Solution

	Item	Quantity	Unit	Rate	Amount
1					
2					
	Total for Communication Solution				

Note – Monthly rental or any other extra payment should show separately.

5.3 Power Solution for SPBM

	Item	Quantity	Unit	Rate	Amount
1					
2					
	Total for SPBM Power Solution				

5.4 Monitoring Stations

	Item	Quantity	Unit	Rate	Amount
1					
2					
	Total for Monitoring Station				

5.5 Grand Total

	Sub Total Item	Amount in US\$.	Amount in LKR.
5.1	Surveillance System for SPBM		
5.2	Communication Solution		
5.3	Power Solution for SPBM		
5.4	Monitoring Stations		
	Total		
	Applicable Taxes (Please Specify)		
	Grand Total		

Total In words –

Total (Sum of all Items) - _____

Grand Total (with Taxes) - _____

Authorized Office Signature

Date –

Rubber Stamp

Section 06.

Drawings

Drawing No. 1191-000 sheet 1 of 3, 2 of 3 & 3 of 3

ANNEXURE - 01

FORM OF BID

To: The Chairman
CPC Procurement Committee,
Procurement & Stores Function,
Ceylon Petroleum Corporation,
1st Floor, "CEYPETCO NIWASA",
Dr. Denister 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 Supply, Install, Configure, Handover and Maintenance of Camera System for Crude SPBM (Single Point Buoy Mooring) 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 Bid document.
- A-5 We agree to abide by this Bid for the period of **seventy seven (77) 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 affirm that the said services will be provided as per COC after we receive notice of acceptance of our Bid / establishment of the Letter of Credit from the CPC.

A-8 We offer the prices as given in the schedule of prices for Transport of Packed goods etc. from Port/ Airport to various Locations as detailed out in this Bid Document. We agree that it is open to the Procurement Committee to reject this offer or to accept.

Dated this day of2020.

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

Name

Address
.....
.....

Witnesses:

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

ANNEXURE - 02

FORMAT FOR BID SECURITY

[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 Security, in accordance with the ITB.

This Guarantee shall expire: (a) if the Bidder is the successful bidder, upon our receipt of copies of the Contract signed by the Bidder and of the Performance Security issued to you by the Bidder; or (b) if the Bidder is not the successful bidder, upon the earlier of (i) our receipt of a copy of your notification to the Bidder that the Bidder was unsuccessful, otherwise it will remain in force 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 of authorized representative(s)]

ANNEXURE - 03

FORM OF AGREEMENT

This Agreement made this _____ day of _____ 2020, by and between CPC established by an Act of Parliament namely Act No. 28 of 1961 & having its registered Office at Ceylon Petroleum Corporation, "CEYPETCO NIWASA", Dr. Denister De Silva Mawatha, 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 services known as the Supply, Install, Configure, Handover and Maintenance of Camera System for Crude SPBM (Single Point Buoy Mooring) should be provided by the Contractor, and has accepted a Bid by the Contractor for providing of such services 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 Bid dated _____.**
 - **The Conditions of Contract**
 - **Technical Specifications**
 - **The Completed BOQ**
 - **The Local Agent's Proposal**
3. 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 provide services fit for purpose in conformity in all respect according to the provision of the Contract.

4. The CPC hereby covenants to pay the Supplier in consideration of the services provided, the Contract Price or such other sum as may become payable under the provisions of the Contract at the time 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 Chairman Of CPC		Authorized Signature of the Supplier	
<u>In the presence of</u>		<u>In the presence of</u>	
Name		Name	
Signature		Signature	
Address		Address	

ANNEXURE – 04

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 theday of 20... [Insert date, 28 days beyond the scheduled contract completion date] and any demand for payment under it must be received by us at this office on or before that date.

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)]

ANNEXURE – 05

FORM OF ADVANCE PAYMENT SECURITY

.....[Name and address of Agency, and
Address of Issuing Branch or Office]

Beneficiary:[Name and Address of
Employer]

Date :

ADVANCE PAYMENT GUARANTEE NO.:.....

We have been informed that[name of Contractor]
(hereinafter called “the Contractor”) has entered into Contract No.....(reference
number of the contract] dated.....with you, for the
Construction of[name of contract and brief description] (hereinafter
Called “the Contract).

Furthermore, we understand that, according to the conditions of the Contract, an advance
payment in the sum.....[amount in figure] (.....[amount in words]
is to be made against an advance payment guarantee.

At the request of the Contractor, we.....[name of issuing agency]
Hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount
of.....[amount in figures] (.....) [amount in words]
upon receipt by us of your first demand in writing accompanied by a written statement stating
that the Contractor is in breach of its obligation in repayment of the advance payment under the
Contract.

The maximum amount of this guarantee shall be progressively reduced by the amount of the
advance payment repaid by the Contractor.

This guarantee shall expire on.....[Insert the date, 28 days beyond the Intended
Completion date]

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

[Signature(s)]

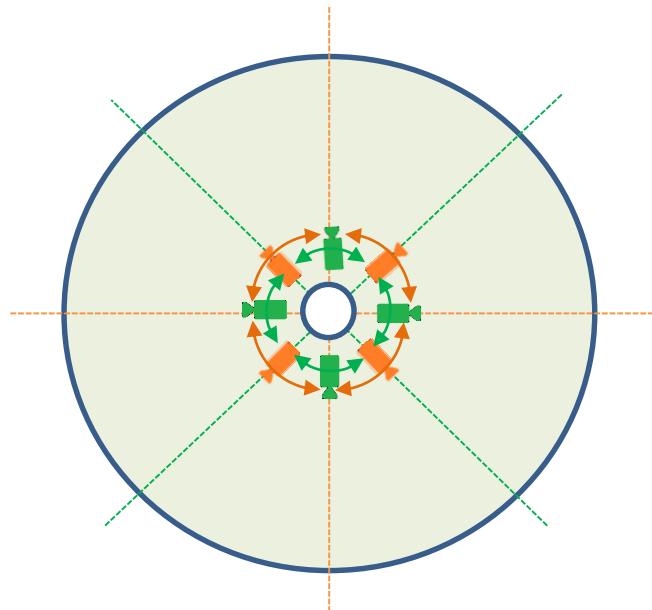
4 The Guarantor shall insert an amount representing the amount of the advance payment and
denominated
either in the currency(ies) of the advance payment as specified in the Contract.

ANNEXURE – A

SPBM & Viewing Angles of SPBM Camera System



Viewing Angles of SPBM Camera System (Sample)



Note – This is a sample diagram and exact requirement is single point should have to cover at least two cameras.

ANNEXURE – B

Locations Covered by this project & Details

Location Name	Address	Location (Coordination)
SPBM		LAT - 6° 58'.7 N LONG - 79° 46.6' E
Head Office	“CEYPETCO Niwasa” No 609, Dr. demister de Silva Mawataha, Colombo 9	LAT - 6°56'16.02"N LONG - 79°52'38.47"E
Oil Facilities Function	Oil facilities Function, Ceylon Petroleum Corporation, Colombo Port	LAT - 6° 57'24.87" N LONG - 79° 51'24.80" E

SPBM Conditions & Weather Data Applicable at the Terminal

1.1 General

Location	: N = 6°58'40" E = 70°46'30"
Datum Water Depth (L.A.T)	: 95' (29 m)
Location of the SPBM	: Approx.9.5 km from shore
Highest astronomical tide	: 3' (1 m)

1.2 Maximum Environmental Conditions for Berthing & to Complete Hose Connection

Significant Wave Height	: 8' (2.5 M)
Significant Wave Period	: 8.5 Sec
Maximum Wind Velocity	: 18 mph (29 km/h)
Maximum Current Speed	: 1 knot (0.514 m/s) Cross

1.3 Maximum Environmental Conditions for Continuous Offloading

Significant Wave Height	: 12' (3.7 m)
Significant Wave Period	: 9.5 Sec
Maximum Wind Velocity	: 30 mph (48 km/h)
Maximum Current Speed	: 1 knot (0.514 m/s) Cross

1.4 Maximum Environment Conditions for Remaining on Buoy (Offloading Ceased)

Significant Wave Height	: 15' (4.6 m)
Significant Wave period	: 9.6 Sec

1.5 Strom Survival Conditions (with no tanker moored)

Significant Wave Height	: 25' (7.62 m)
Significant Wave Period	: 11.4 Sec
Highest Total tide	: 5.7' (1.74 m)
Maximum Wind Velocity	: 3 Hour duration – 71 mph (114 km/h) 1 Hour duration – 80 mph (129 km/h) ½ Hour duration – 84 mph (135 km/h)

	1 min. duration – 101 mph (162.5 km/h)
	Instantaneous Gust – 121 mph (195 km/h)
Maximum Current Speed	: 2 knot (1.03 m/s) Cross

2.1 Specification of the SPBM Terminal

Type of SPBM	: Catenary Anchor Leg Mooring (CALM)
Under buoy Hose System	: Lazy “S”
Overall Diameter of the Buoy	: 13 m (approx)
Overall Height	: 8.8 m (approx)
Dia. Of Watertight Hull	: 11 m
Depth of Watertight Hull	: 3.66 m
Total Weight of the Buoy in air	: 150 MT
Free Floating in Sea Water	: 2.2 m Draft (approx) to the bottom of the Underbuoy Piping
Components of Watertight Hull	: 07 No. of Separate watertight Compartments 01 No. of Cylindrical Central Chamber 06 No. of Surrounding Compartments