



TENDER PACKAGE

ITB No.: PVEPPOC-26-10009

**SUPPLY OF MATERIAL AND
INSTALLATION/REPLACEMENT SERVICE OF
BATTERY CHARGER P5103 500A-24VDC/DUAL**

CLOSING TIME & DATE

10:00 HOURS, 2026 (Vietnam Time)

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PART I: ITB INSTRUCTIONS

1. INSTRUCTIONS AND INFORMATION TO BIDDER

INSTRUCTIONS AND INFORMATION TO BIDDER

1.0 GENERAL

1.1 DOMESTIC PETROLEUM OPERATING BRANCH - PETROVIETNAM EXPLORATION PRODUCTION CORPORATION LIMITED (hereinafter referred to as "CLIENT") invites BIDDER to submit proposal for **SUPPLY OF MATERIAL AND INSTALLATION/REPLACEMENT SERVICE OF BATTERY CHARGER P5103 500A-24VDC/DUAL** (hereinafter referred to as "WORKS") under Tender No. PVEPPOC-26-10009 as details in this Tender.

1.2 In order for CLIENT to fully assess the relative merits of each proposal, BIDDER is requested to furnish CLIENT with all relevant and complete information as set forth in the following items of "INSTRUCTIONS AND INFORMATION TO BIDDER". BIDDER is urged to comply strictly with Tender's requirements.

1.3 Eligibility of BIDDER

BIDDER shall be eligible required as follows:

a. In case of independent BIDDER:

- **Domestic BIDDER** is to provide notarized copy of eligible certificate of business registration in accordance with Vietnamese Laws;
- **Foreign BIDDER** is to provide notarized copy of eligible certificate of business registration in accordance with the country of BIDDER'S nationality;
- BIDDER is an independent cost accounting entity;
- There is no decision by a competent authorities concluding that the BIDDER has an unhealthy financial status; BIDDER is not in bankrupt or insolvent status, and BIDDER is not in the process of dissolution.
- BIDDER participates in bid must be legally and financially independent with Investor and/or Procuring Entity. Failure to comply with such requirement may be considered as disqualified.

b. In case of Consortium:

- Each Consortium Partner is to provide the documents and to meet the requirements mentioned in paragraph 1.3.a. above.
- Written Consortium Agreement between the consortium partners specifying responsibilities (joint and several) of each Consortium Partner in implementing the Bid, rights and scope of work and respective value of each Consortium Partner, including the Leading Consortium Partner and its responsibility, place and date of signing the Consortium Agreement, signatures and seals (if any) of Consortium Partners. If the Consortium Partner is authorized as the Leading Partner to sign the Proposal Letter, this effect shall be stated in the Consortium Agreement).

1.4. BIDDER must submit its proposal strictly in accordance with the terms of the ITB which consists of the following:

PART I - ITB INSTRUCTIONS

INSTRUCTIONS AND INFORMATION TO BIDDER

BIDDER'S QUESTIONNAIRE

BIDDING FORMS

PRELIMINARY AND TECHNIAL EVALUATION CRITERIA

PART II – CONTRACT DOCUMENT

CONTRACT FORM

EXHIBITS:

- | | |
|-------------|---|
| EXHIBIT I | SCOPE OF WORK AND TECHNICAL REQUIREMENTS |
| EXHIBIT II | EQUIPMENT, MATERIALS , SUPPLIES AND SERVICES PROVIDED BY CONTRACTOR |
| EXHIBIT III | CONTRACT PRICE |
| EXHIBIT IV | FORM OF BANK GUARANTEE |
| EXHIBIT V | CHANGE ORDER PROPOSAL |
| EXHIBIT VI | INVOICING PROCEDURES AND ADMINISTRATION GUIDELINES |
| EXHIBIT VII | HEALTH, SAFETY AND ENVIRONEMENT REQUIREMENT |

- 1.5 As a base case, **BIDDER's proposal should be in full conformity with the requirements as set out in the Tender.** Nothing shall be deemed to change or supplement this basis except revisions or addendum to the Tender issued in writing by CLIENT to BIDDER. If BIDDER wishes to present an alternatives (**applicable to Technical Specifications ONLY**), BIDDER may do so (as an option to CLIENT) only after having duly complied with the requirements of the Tender.
- 1.6 Any queries concerning preparation of the proposal shall be directed in writing to the address given in item 8.3.
- 1.7 All Bid Proposals must be signed by an officer duty authorized by BIDDER to do so.
- 1.8 Any amendment appearing in the Bid Proposal must be signed or initialed by an officer duty authorized by BIDDER to do so.
- 1.9 BIDDER is to ensure that all prices and other details in the proposal are correct at the time of submission. CLIENT will not entertain any changes or addenda due to typing or calculation errors after the Bid Closing Date.
- 1.10 BIDDER is to bear responsibility for and pay all costs, expenses and other charges incurred in preparation and delivery of the proposal to CLIENT's designated office as stated in item 8.3, irrespective of whether an order is placed or not.
- 1.11 Submission of proposal by BIDDER will constitute a firm offer by BIDDER that BIDDER is prepared to enter into Contract with CLIENT on the conditions shown in this Tender.
- 1.12 Proposal by BIDDER shall be binding for a minimum period of **120 calendar days from the Bid Closing Date.** BIDDER may assume that the award for Contract will be

made within 45 calendar days from the Bid Closing Date and BIDDER can assume that it has not been successful if no notification is received within the bid validity period. BIDDER shall state the precise date of validity in the proposal. CLIENT shall be entitled to request BIDDER to extend Bid Validity for maximum of 60 calendar days (if any) without any BIDDER's exception.

- 1.13 BIDDER is requested to use the term "CONTRACTOR" instead of its specific company business name in their submission of Bid Proposal except for covering letter, header and footer.
- 1.14 At any time prior to Bid Closing Date, CLIENT, for any reason, whether at its own initiative or in response to a clarification requested by BIDDER, may modify the Tender by amendment (including the extension of Bid Closing Date, if necessary) by sending the amendment of Tender in writing to all BIDDERS prior to the Bid Closing Date. These amendments shall be the part of ITB. BIDDERS shall notify to CLIENT by email or by fax to acknowledge their receipt of said amendments.
- 1.15 FAILURE TO STRICTLY COMPLY WITH THE INSTRUCTION AS SET FORTH IN THIS DOCUMENT WILL RESULT IN BIDDER'S PROPOSAL BEING DEEMED NON-RESPONSIVE IN WHICH CASE IT MAY BE DROPPED FROM FURTHER CONSIDERATION.

2.0 INTENTION TO BID

- 2.1 BIDDER is advised to thoroughly check the completeness of the Tender upon receipt. BIDDER must inform CLIENT within three (3) days from the bid issue date if any of the pages are missing.
- 2.2 **BIDDER is required to acknowledge receipt of the Tender** in accordance with the Tender Acknowledgement Letter Form set out in BIDDING FORMS and intention to submit proposal or otherwise by fax **at least two (2) working days** from bid issuance date. BIDDER is also advised to confirm its address and name a representative to whom all communications from CLIENT shall be addressed to.
- 2.3 Should BIDDER decline to submit a proposal, BIDDER shall state in writing the reason(s) for declining and is required to promptly return the Tender to CLIENT, and in all such cases this shall be done not later than the bid closing date.
- 2.4 All Tender documents returned shall be forwarded to the address as given in item 8.3 herein, with the following wordings clearly marked on the cover/envelope.
 - (a) "DECLINE TO BID-DOCUMENTS RETURNED"
 - (b) TENDER NUMBER and TITLE
 - (c) BIDDER'S NAME

3.0 EXCLUSIVITY OF BID

BIDDER is required to submit Bid Proposal in conjunction with the Principal and the Principal MUST be the prime vendor for the total proposal package. BIDDER is also required to submit a support letter from Principal (if any).

4.0 PRICE QUOTATION

- 4.1 The price quotation shall be quoted in Vietnamese Dong (VND), for Domestic BIDDER or United States Dollar (USD), for Foreign BIDDER.
- 4.2 **Once specified, the unit prices shall prevail throughout the life of the Contract and shall not be subject to revision by reason of cost escalation nor currency fluctuations.**
- 4.3 PRICE OF COMPENSATION
- 4.3.1 BIDDER's Bid Proposal shall be in full conformity with the requirements as set out in this Bid documents.
- 4.3.2 BIDDER should specifically note that subsequence to the Bid Closing Date, no alteration in price quotation will be permitted whatsoever.
- 4.3.3 Prices are to be itemized according to the item numbers in the Commercial Proposal Form attached hereto. Unit price and total price must be clearly stated in the quotation. All discounts, in percentage of total estimated contract value, are to be stated separately.
- 4.4 The proposed CONTRACT PRICE shall indicate whether it is inclusive of Vietnamese taxes (VAT, CIT, etc.) or not. In the event that the quoted prices do not specify this, they shall be treated as inclusive of all taxes.

5.0 BID EXCEPTIONS

In the event BIDDER has any change that is considered of mutual benefit or if there is any exception to Tender document, BIDDER must state the changes or exceptions proposed by using the Exception Form as set out in BIDDING FORMS and giving specific reasons thereof.

Changes or exceptions to the Tender document expressed after the Bid Closing Date will not be entertained.

CLIENT reserves the right to accept or reject any or all of the proposed changes or exceptions. CLIENT will review each change or exception on a case by case basis.

6.0 BANK GUARANTEE

6.1 BID BOND

- 6.1.1 When participating to the Bid, BIDDER shall, at its own expense, furnish Bid Bond using the Bid Bond Form set out in BIDDING FORMS and issued by a reputable recognized bank accepted by CLIENT.
- 6.1.2 The amount of Bid Bond shall be **VND 200,000,000** *(In words: Two hundred and million Vietnam Dong)* and shall be valid for **150 days from the Bid Closing Date**. The Original Bid Bond shall be attached in the Bid Proposal.
- 6.1.3 In case of Consortium, the Bid Bond will be provided by one of the following two methods:

- a) Each Consortium Partner shall provide separately Bid Bond, provided always that the total value of Bid Bond shall not be lower than the amount required in Item 6.1.2 above; if Bid Bond of any Consortium Partner is invalid the Bid Proposal of such Consortium shall be rejected according to the prerequisite criteria.
 - b) The Consortium Partners agree to appoint a Consortium Partner to provide Bid Bond for the whole Consortium. In this case, the Bid Bond may include the name of Consortium or name of the Consortium Partner providing the Bid Bond for the whole Consortium provided always that the total value of Bid Bond shall not lower than the amount required in Item 6.1.2 above.
- 6.1.4 Bid Bond shall be considered as not acceptable if its value is lower than the required value, is not in the required currency, with shorter validity period, not submitted to the address by the time required by the ITB, states an incorrect BIDDER'S Name, is not original or without valid signature.
- 6.1.5 Bid Bond will be returned to the unsuccessful BIDDER within thirty (30) days from the date of announcement of the Bid results. For the successful BIDDER, the Bid Bond will be returned when the successful BIDDER provides the Bank Guarantee.
- 6.1.6 Bid Bond shall be forfeited and shall be disposed if the BIDDER:
- a) withdraws its Bid Proposal during the Validity Period of the Bid or any extension of validity the BIDDER has agreed to;
 - b) do not commence the contract negotiation, finalization or decline to do so within thirty (30) days after receipt of contract award notice, or have completed the contract negotiation, finalization but refuses to sign the contract without valid reasons;
 - c) in case of the successful BIDDER, fails to furnish the performance bond before signing the contract or before the contract comes into force.

6.2 BANK GUARANTEE

BIDDER's attention is drawn to **Article headed as BANK GUARANTEE** of the CONTRACT FORM whereby the successful BIDDER is requested to provide an irrevocable first call Bank Guarantee issued by a commercial bank acceptable by CLIENT to guarantee performance of BIDDER's obligation under the CONTRACT. The format of Bank Guarantee shall be set out in the EXHIBIT VII of CONTRACT document.

7.0 PROPOSAL FORMAT

- 7.1 BIDDER is to strictly adhere to the proposal format as set out below. **BIDDER must ensure that the "TECHICAL AND UNPRICED PACKAGE (TECHNICAL)" does not contain any pricing or cost.** Failure to comply with these instructions may render BIDDER's proposal invalid.
- 7.2 BIDDER is to submit the proposal in two (2) separate packages, as follows:
- a) Technical and Unpriced Package (Technical)
 - b) Priced Package (Commercial)

7.3 CONTENTS OF TECHNICAL AND UNPRICED PACKAGE (TECHNICAL) Unpriced package shall include but not limited to the following:

SECTION	CONTENT
Section 1	<p>PROPOSAL LETTER</p> <p>The Proposal Letter shall be prepared and fully filled by BIDDER as set out in BIDDING FORMS and must be signed by the authorized representative of BIDDER (the representative at law of the BIDDER or the authorized person with legal Power of Attorney). In case of authorization, BIDDER shall enclose the following instruments and documents to prove the legitimacy of the authorized person:</p> <p>a. In case of independent BIDDER:</p> <p style="padding-left: 40px;">Power of Attorney signed by the Representative at law of BIDDER authorizing the authorized person to sign the Proposal Letter;</p> <p>b. In case of Consortium:</p> <p style="padding-left: 40px;">Proposal Letter shall be signed by the Representative at law of each Consortium Partner, unless the Consortium Agreement stated that the Consortium Partners have authorized the representative at law of Leading Partner of the Consortium to sign Proposal Letter. If each Consortium Partner has authorized such Representative, the same requirements as independent Bidder shall be applied.</p>
Section 2	<p>BIDDER'S ELIGIBILITY, EXPERIENCES AND CAPACITY</p> <p>BIDDER shall provide the following documents proving BIDDER's eligibility, experiences, and capacity:</p> <ol style="list-style-type: none"> 1. The Documents as required in Item 1.3; 2. BIDDER is requested to submit a completed BIDDER's QUESTIONNAIRE, including but not limitation to the following documents: <ol style="list-style-type: none"> (i) BIDDER's Organization (ii) BIDDER's Experience; (ii) Company Profile; and (iii) Last 3 Year Financial Statement.
Section 3	<p>TECHNICAL PROPOSAL</p> <p>BIDDER shall provide the following documents to prove the suitability (compliance) of WORKS:</p> <ol style="list-style-type: none"> 1. BIDDER is to provide (i) the detailed description of the working procedures, BIDDER's capability of the WORKS proposed and (ii) the relevant guidelines, drawings, certificates, records to provide the Scope of WORKS as specified in EXHIBIT I - SCOPE OF WORKS; 2. BIDDER is to fill the information as per EXHIBIT II – EQUIPMENT AND TOOLS SPECIFICATIONS; 3. Curriculum Vitae (CV) of Proposed Manpower as set out in BIDDING FORMS;
Section 4	<p>BIDDER'S UNPRICED EXCEPTIONS AND ALTERNATIVES</p> <p>a. If BIDDER has no exception and alternative proposal, BIDDER shall have the following statements prominently displayed in capital letters under this section: "THIS PROPOSAL COMPLIES WITH ALL TERMS AND CONDITIONS OF THIS CONTRACT, EXHIBITS AND REQUIREMENTS IN THIS ITB" or</p>

	<p>b. If BIDDER has alternative proposal on this bid documents, BIDDER shall display the following statement in capital letters under this section: "THIS PROPOSAL INCLUDES EXCEPTIONS AND ALTERNATIVES WHICH ARE LISTED ON THE FOLLOWING PAGES."</p> <p>BIDDER shall present a complete and detailed listing of non-compliance to the ITB in total indicating the delivery impact only, if any, but without indicating the cost impact. The format of presentation shall be as per the attached BIDDER's EXCEPTION TO TERMS AND CONDITIONS and BIDDER's EXCEPTION TO EXHIBITS as set out in BIDDING FORMS.</p>
Section 5	<p>BID BOND BIDDER shall provide the Original Bid Bond as requested in Item 6.1.</p>

7.4 CONTENTS OF PRICED PACKAGE (COMMERCIAL)

Every page of BIDDER's price proposal must bear BIDDER's company seal. Priced package shall include the following:

SECTION	CONTENT
Section 1	<p>PROPOSAL LETTER To be attached a similar letter as in Section 1.</p>
Section 2	<p>BIDDER is requested to submit the following with prices & schedule attached PRICE COMMERCIAL FORM as per EXHIBIT IV – CONTRACT PRICE</p>
Section 3	<p>BIDDER's PRICED EXCEPTIONS AND ALTERNATIVES.</p> <p>a. If BIDDER has no exception and alternative proposal, BIDDER shall have the following statements prominently displayed in capital letters under this section: "THIS PROPOSAL COMPLIES WITH ALL TERMS AND CONDITIONS OF THIS CONTRACT, EXHIBITS AND REQUIREMENTS IN THIS TENDER" or</p> <p>b. If BIDDER has alternative proposal on this bid documents, BIDDER shall display the following statement in capital letters under this section: "THIS PROPOSAL INCLUDES EXCEPTIONS AND ALTERNATIVES WHICH ARE LISTED ON THE FOLLOWING PAGES." BIDDER shall present a complete and detailed listing of non-compliance to the Tender in total indicating the delivery impact and cost impact, if any. The format of presentation shall be as per the attached BIDDER's EXCEPTION TO TERMS AND CONDITIONS and BIDDER's EXCEPTION TO EXHIBITS as set out in BIDDING FORMS.</p>

8.0 SUBMISSION OF PROPOSAL

8.1 Each Technical and Unpriced Package (Technical) and Priced Package (Commercial) shall consist of:

- a) **One (1) original** which is divided, wrapped separately and clearly marked with the words "**ORIGINAL TECHNICAL AND UNPRICED PROPOSAL**" or

"ORIGINAL PRICED PROPOSAL" on the cover of the respective wrapping.

- b) **One (1) copy** which is divided, wrapped separately and clearly marked with the words **"COPY TECHNICAL AND UNPRICED PROPOSAL"** or **"COPY PRICED PROPOSAL"** on the cover of the respective wrapping.
- c) 01 native copy containing Technical and Unpriced Proposal and 01 native copy containing Priced Proposal with label having BIDDER name, Tender title and number. The native copy shall be wrapped and sealed separately and marked with the word **"UNPRICED PROPOSAL"** or **"PRICED PROPOSAL"** on the covers of the packages. The soft Proposal documents shall be in native file format (Microsoft Word® and Microsoft Excel®) (TO BE APPLIED IN CASE THE DOCUMENT HAVING MANY PAGES).

In the event of discrepancy between the original set and the copies, the original set shall prevail.

- 8.2 BIDDER shall ensure that all proposals or submissions to CLIENT, pertaining to the enquiry are properly sealed and that the cover of each package is clearly marked in **bold letters** with the following wordings:
- (a) Tender number and the title.
 - (b) BIDDER's name and return address.
 - (c) **"TECHNICAL AND UNPRICED PACKAGE"** or **"PRICED PACKAGE"**.
 - (d) **"PRIVATE AND CONFIDENTIAL"**

- 8.3 **All communications and correspondence with regard to Tender and clarification shall be made to the following address:**

**DOMESTIC PETROLEUM OPERATING BRANCH - PETROVIETNAM
EXPLORATION PRODUCTION CORPORATION LIMITED**

15th Floor, Victory Tower

12 Tan Trao Street, Tan My Ward, Ho Chi Minh City, S.R Vietnam

Tel: (84-28) 3776 2222

Fax : (84-28) 3872 1079

Attention : **Planning & Procurement Management Manager**

All communications with regard to bid clarifications shall be made in writing and must indicate the Tender number and title and send to the address given above. Such bid clarifications shall reach the address given above at least five (05) days prior to the Bid Closing Date. CLIENT shall preserve the right not to response to bid clarifications received later than the above-mentioned time.

Submission of Bid Proposal shall be made to the following address:

**DOMESTIC PETROLEUM OPERATING BRANCH - PETROVIETNAM
EXPLORATION PRODUCTION CORPORATION LIMITED**

15th Floor, Victory Tower

12 Tan Trao Street, Tan My Ward, Ho Chi Minh City, S.R Vietnam

Tel: (84-28) 3776 2222

Fax : (84-28) 3872 1079

Attention : **Planning & Procurement Management Manager**

- 8.4 BIDDER is strongly advised to deliver the proposals by hand in order to assure timely receipt by CLIENT. If BIDDER elects to mail the proposal, BIDDER is advised to use a fast and reliable delivery service e.g. courier. BIDDER should advise CLIENT by fax the date on which the proposal was mailed and details of the delivery service.

- 8.5 Responsibility for timely delivery of the proposals to the correct address rests fully with BIDDER. CLIENT does not accept late bids submission. Delivery to the wrong address shall not be an excuse for late delivery.
- 8.6 BIDDER must ensure that the proposal is delivered to the address given in Item 8.3 above no later than **10:00 hours on LATE BIDS WILL NOT BE ENTERTAINED.**
- 8.7 BIDDER's proposal shall be submitted in a **separate sealed envelope or package** bearing the name of your company, clearly addressed and marked on the outside as follows :-

"STRICTLY CONFIDENTIAL"

**SUPPLY OF MATERIAL AND INSTALLATION/REPLACEMENT SERVICE OF
BATTERY CHARGER P5103 500A-24VDC/DUAL**

ITB: PVEPPOC-26-10009

- 8.8 Bid Proposal as well as all correspondences and documents relating to the Tender exchanged by BIDDER and CLIENT shall be written in English. Supporting documents and printed literature furnished by BIDDER may be in another language provided they are accompanied by an accurate translation of the relevant passages in English, in which case, for purposes of interpretation of the Bid Proposal, the translation shall govern.

9.0 ACCEPTANCE

- 9.1 CLIENT may, at CLIENT option, reject all proposals received or may accept any proposal which, in CLIENT's sole judgment, is the most advantageous to CLIENT. CLIENT reserves the right to accept or reject all or part of the proposal at CLIENT's discretion and will be under no obligation to explain the reasons thereof.

- 9.2 CLIENT reserves the right to award the CONTRACT at its own discretion. CLIENT may award the CONTRACT to more than one BIDDER where practicable.

Award strategy: Single award.

- 9.3 CLIENT shall not be deemed to have accepted all or any part of a proposal unless and until a written acceptance is issued.

- 9.4 Any award as a result of this ITB will be through a properly executed contract issued by CLIENT. Prior to this, CLIENT may send the BIDDER a Letter of Award in order to initiate immediate placement of order. Upon receipt of the Letter of Award, BIDDER shall proceed immediately with the work mentioned in the Letter of Award.

10.0 PAYMENT

- 10.1 Payments shall be made in accordance to **Article headed as INVOICING AND PAYMENT** of Contract Form attached hereto.

- 10.2 Any proposal on progress payments shall be based on "value received" or verifiable milestones and not merely the passage of time and not for merely placing the Contract.

END OF SECTION

2. BIDDER'S QUESTIONNAIRE

Handwritten mark resembling a stylized '20' or '2' with a checkmark below it.

(This form MUST be completely filled by BIDDER. Write 'NIL' or 'NOT APPLICABLE' where appropriate)

PRIVATE & CONFIDENTIAL

- 1. Full Name of BIDDER: _____
 Registered Address: _____
 Business Address: _____
 Correspondence Address: _____
 Telephone: _____
 Fax: _____

- 2. BIDDER's Organization:
 BIDDER is requested to provide a brief description of the background and organization of BIDDER.

- 3. List of similar Projects and Contract performed in the last three years:

Name of Project:.....	Approx. Value of Contract (in current US\$/VND):.....
Country:..... Location within country:.....	Duration of Project (months):.....
Name of Client:.....	Total N ^o of staff-months provided to the Project:.....
Address:.....	Start Date (month/year):..... Completion Date (month/year):.....
Narrative description of Project:.....	Description of actual services provided by BIDDER's staff within Project:.....
Name of senior professional staff of BIDDER involved and functions performed (indicate most significant profiles such as Project Director/Coordinator, Team Leader):.....	

Note: BIDDER shall attach a copy of documents, materials related to above contracts (certified by the Project Owner for the contract being implemented according to the related information in above table).

- 4. Summary of Financial Data for the fiscal years

Unit: (VND/ USD)

No.	Descriptions	2022	2023	2024
1	Total assets			
2	Total liabilities			
3	Current assets			
4	Current liabilities			
5	Turnover			
6	Profit Before Tax			
7	Profit after Tax			
8	Other items (if required)			

For the purpose of verification of the data declared, BIDDER is required to submit the notarized/certified true copy of the following documents:

1. Audited Financial Statements or Financial Statements certified by competent authorities as required by the law for the Year 2022,2023,2024.
2. Annual Tax Statements as required by the law on taxation (Tax authorities to certify that the Bidder has submitted its tax statements) for the Year 2022,2023,2024;
3. Report on Checking of Bidder's Tax Statements (if any) for the Year 2022,2023,2024.

Information provided by:

Name: _____

Signature: _____

Designation: _____

Date: _____

Company: _____

3. BIDDING FORMS

3
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TENDER ACKNOWLEDGMENT LETTER

Letterhead of Bidder

Date:
To: **DOMESTIC PETROLEUM OPERATING BRANCH - PETROVIETNAM
EXPLORATION PRODUCTION CORPORATION LIMITED**
Attn: Director
Subject: <<<< TENDER TITLE >>>>
ITB No.....

Dear Sir,

- We acknowledge receipt of the subject Invitation to Bid ("ITB").
- We have received all documents without damage and in usable condition.
- We have read the Instructions to Bidders and will submit a bid in accordance with the Tender requirements.
- We confirm our adherence to the highest standards of business ethics and, in particular, we have established precautions to prevent any of our officers, employees, or agents from making, receiving, providing or offering substantial gifts, entertainment, payment, loans or other considerations which may influence individuals.

OR

- We do not wish to bid and therefore we are returning this Tender in its entirety with this Tender Acknowledgement Letter.

All future communications in respect of this ITB should be addressed as follows:

Bidder's
Name: _____ Telephone: _____
Attention: _____ Fax: _____
Address: _____ Email: _____
Signed: _____

Signature: _____ Date: _____
Printed
Name: _____
Title: _____

PROPOSAL LETTER FORM

Letterhead of BIDDER

Date:

To **DOMESTIC PETROLEUM OPERATING BRANCH - PETROVIETNAM
EXPLORATION PRODUCTION CORPORATION LIMITED**

Attn: Director

Subject: <<<< TENDER TITLE >>>>

ITB No.....

Dear Sir

We, the undersigned, certify that we have read and understood the subject Invitation to Bid and all documents forming the Bid Document.

We acknowledge that we have thoroughly investigated, or have had the opportunity to do so, and satisfied ourselves as to all conditions affecting the WORKS and all necessary information as to risk contingencies and all circumstances influencing and affecting this Bid Document.

We offer to provide the WORKS as detailed in the Bid Package for the prices stated in our Proposal attached hereto. This offer is valid until 120 days from the date fixed for submitting same and shall be binding upon us and may be accepted at any time before the aforesaid date.

If our proposal is accepted, we undertake that, unless and until a formal CONTRACT is prepared and executed, this Bid Proposal, together with your written acceptance shall constitute a binding contract between us.

Yours faithfully

Correspondence from CLIENT should be
addressed to:

Signature :
Printed Name :
Position :
Company :
Date :

Address :
Attn :
Telephone :
Telex :
Fax:

POWER OF ATTORNEY FORM

Letterhead of BIDDER

Date:

To **DOMESTIC PETROLEUM OPERATING BRANCH - PETROVIETNAM
EXPLORATION PRODUCTION CORPORATION LIMITED**

Attn: DIRECTOR

Subject: <<<< TENDER TITLE >>>>

ITB No.....

I, the undersigned - the Legal Representative of [Name of BIDDER], hereby authorize and empower [name of Authorized Person and Position] to be my true and lawful attorney to

1. Signing Proposal Letter;
2. Signing transaction documents, correspondence with CLIENT during the Bidding Process, including, but not limit to, ITB Clarification Request, Bid Clarification;
3. Participating in Contract Negotiation and Finalization;
4. Signing petitions if the BIDDER has any petitions;
5. Signing contract with CLIENT if we are selected

for **REPAIR AND OVERHAUL GENERATOR BERGEN GENSET NO3 ON DH01** under the TENDER No. PVEPPOC-24-11010

This Power of Attorney is effective as from _____ to _____.

Yours faithfully,

For and behalf of [name of BIDDER].

Name of Legal Representative of BIDDER

Position:

CONSORTIUM AGREEMENT FORM

_____, Date: _____

<<<< **TENDER TITLE** >>>>

ITB No.....

We, representatives of the Parties of the Consortium Agreement, including:

Name of the Consortium Partner (Name of Each Consortium Partners) _____

Represented by: _____

Title: _____

Address: _____

Power of Attorney No. _____ dated _____ (*in case of authorization*).

The Parties (hereinafter referred to as Partners) agreed to enter into this Consortium Agreement with the following terms and conditions:

Article 1: General Provisions

1. The Partners are willing to form a Consortium to participate in the Tender No. for <<<< **TENDER TITLE** >>>> (hereinafter referred to as "TENDER") to DOMESTIC PETROLEUM OPERATING BRANCH - PETROVIETNAM EXPLORATION PRODUCTION CORPORATION LIMITED (hereinafter referred to as "CLIENT").
2. The Partners agree that the name of the Consortium for all correspondences related to TENDER is: _____ [*specify name of the Consortium as agreed*].
3. The Partners confirm that neither of them will unilaterally participate in the bidding of this ITB as an independent Bidder of partner of other consortium. If the consortium is awarded the Contract, neither partner will refuse to execute its obligations and duties as agreed in the Contract unless otherwise agreed in writing by the Consortium Partner. If the Consortium Partner refuses to fulfill its own obligations as agreed then such Partner is to:
 - Compensate for all damages to other Consortium Partners;
 - Compensate for all damages to CLIENT as stipulated in the Contract;
 - Other penalty [*specify other penalty*].

Article 2. Responsibilities of the Partners

The Partners agree that the responsibilities of each Partner for execution of the Tender shall be as follows:

1. Leading Partner of the Consortium:

The Partners agreed to appoint _____ *[specify the name of Leading Partner of the Consortium]* to be the Leading Partner of the Consortium to act on behalf of the Consortium in the following works:

- 1.1. Signing Proposal Letter;
 - 1.2. Signing transaction documents, correspondence with CLIENT during the Bidding Process, including, but not limit to, Tender Clarification Request, Bid Clarification;
 - 1.3. Participating in Contract Negotiation and Finalization;
 - 1.4. Signing petitions if the Bidder has any petitions;
 - 1.5. Signing Contract with CLIENT if we are selected
2. The Consortium Partners:

[Specify the scope of work, responsibilities of each Partner, including the Leading Partner of the Consortium and, if possible, to specify the percentage of appropriate value].

Article 3: Validity of the Consortium Agreement

1. This Consortium Agreement is valid from the date of signing.
2. This Consortium Agreement will expire in any of the following cases:
 - The Partners completed their obligations, duties and agreed to liquidate the Contract;
 - The Partners agreed to terminate this Agreement;
 - Cancellation of Bidding Process of the Tender according to the notification of CLIENT.

This Consortium Agreement is made in ____ originals, each Partner will keep ____ original(s), all originals are equally valid.

LEGAL REPRESENTATIVE OF THE LEADING CONSORTIUM PARTNER

[Specify full name, title, sign and seal]

LEGAL REPRESENTATIVES OF THE CONSORTIUM PARTNERS

[Specify full name, title, sign and seal of each Consortium Partner]

BID BOND FORM

Letterhead OF BANK

BID BOND TO ITB No.

Date: _____

To: **DOMESTIC PETROLEUM OPERATING BRANCH - PETROVIETNAM EXPLORATION PRODUCTION CORPORATION LIMITED** (hereinafter referred to as the "CLIENT")

Basing on the fact that _____ [*name and registered head office address of the BIDDER*], (hereinafter referred to as "BIDDER"), will participate to the Bidding for your ITB No.for the <<<< **TENDER TITLE** >>>>.

We _____ [*name of the BANK*], having registered office located at _____ [*address of registered office of the BANK*] (hereinafter referred to as "BANK"), pledge to BIDDER to secure for the Bidder to participate in bidding for said ITB with an amount of (*In words: Vietnam Dong*).

We shall immediately transfer to CLIENT the amount of money mentioned above when CLIENT notifies in writing that Bidder breaks the requirements specified in the ITB documents⁽¹⁾.

This Bid Bond is valid for 150 days from the bid closing date. Any claim of CLIENTY related to this Bid Bond shall be received by [*name of the BANK*] before expiry of above mentioned validity period.

Legal Representative of the BANK

[*Specify name, title, sign and seal*]

Notes:

⁽¹⁾ *If the Bidder is a Consortium and the Consortium Partners provide separate Bid Bond or one Consortium Partner provides Bid Bond for the entire Consortium, then this requirement will be amended as follows: "We shall immediately transfer to CLIENT the amount of money mentioned above when CLIENT notifies in writing that BIDDER or any Partner in BIDDER's Consortium breaks the requirements specified in the ITB documents".*

Handwritten marks

CURRICULUM VITAE (CV) FOR PROPOSED MANPOWER

-
1. **Proposed Position** [*only one candidate shall be nominated for each position, one candidate may be nominated for some tasks assigned*]: _____
2. **Name of Firm** [*Insert name of firm proposing the staff*]: _____

3. **Name of Staff** [*Insert full name*]: _____
4. **Date of Birth:** _____ **Nationality:** _____
5. **Education** [*Indicate college/university and other specialized education of staff member, giving names of institutions, degrees obtained, and dates of obtainment*]: _____

6. **Membership of Professional Associations:** _____
7. **Other Training** [*Indicate significant training since degrees under 5 - Education were obtained*]: _____

8. **Countries of Work Experience:** [*List countries where staff has worked in the last ten years*]:

9. **Languages** [*For each language indicate proficiency: good, fair, or poor in speaking, reading, and writing*]: _____

10. **Employment Record** [*Starting with present position, list in reverse order every employment held by staff member since graduation, giving for each employment (see format here below): dates of employment, name of employing organization, positions held.*]:

From [Year]: _ To [Year]: _____
Employer: _____
Positions held: _____

<p>11. Detailed Tasks Assigned</p> <p>[<i>List all tasks to be performed under this assignment</i>]</p>	<p>12. Work Undertaken that Best Illustrates Capability to Handle the Tasks Assigned</p> <p>[<i>Among the assignments in which the staff has been involved, indicate the following information for those assignments that best illustrate staff capability to handle the tasks listed under point 11.</i></p> <p><i>IT IS IMPORTANT that the staff should list <u>ALL</u> such relevant assignments.</i></p>
--	--

	Name of assignment or project: _____ Year: _____ Location: _____ Client: _____ Main project features: _____ Positions held: _____ Activities performed: _____
--	---

13. Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience. I understand that any wilful misstatement described herein may lead to my disqualification or dismissal, if engaged.

_____ Date: _____

[Signature of staff member or authorized representative of the staff] *Day/Month/Year*

Full name of authorized representative: _____

BIDDER'S EXCEPTIONS TO TERMS AND CONDITIONS

ARTICLE NO.	EXACT NEW WORDING PROPOSED BY BIDDER	REASON (S) FOR EXCEPTION	ADDITION (+) OR REDUCTION (-) IN BID PRICE IF EXCEPTION IS ACCEPTED BY CLIENT	EFFECT ON DELIVERY DATE

BIDDER'S EXCEPTIONS TO EXHIBITS

EXHIBIT NO.	EXACT NEW WORDING PROPOSED BY BIDDER	REASON (S) FOR EXCEPTION	ADDITION (+) OR REDUCTION (-) IN BID PRICE IF EXCEPTION IS ACCEPTED BY CLIENT	EFFECT ON DELIVERY DATE

W
V

UNPRICED PROPOSAL FORM

SCOPE OF WORKS/ SUPPLY

No	Descriptions	UOM	QUANTITY	BIDDER PROPOSAL
1				Bidder to note "Quoted" or "No Quote"
2				
3				
4				
5				

Note:

- *The proposed CONTRACT PRICE shall indicate whether it is inclusive of Vietnamese taxes (VAT, CIT, etc.) or not. In the event that the quoted prices do not specify this, they shall be treated as inclusive of all taxes.*
- *Failure to submit this form in accordance with the ITB's requirements may result in the Bidder's proposal being disqualified.*

**ANNEX I - DETAILED PRELIMINARY AND TECHNICAL
EVALUATION CRITERIA**

1. PRELIMINARY CRITERIA

Preliminary Evaluation will be carried-out to select the proposals that are qualified for technical evaluation. Only Bidder qualified the preliminary evaluation will be qualified for technical evaluation. The detailed preliminary evaluation is as follows:

No.	Criteria	Bidder		
		A	B	C
1	Place and time of Bid submission (pursuant to Instructions to Bidder)			
2	Original Proposal Letter (pursuant to ITB - Bidding Forms)			
3	Eligibility of Bidder (pursuant to Instructions to Bidder)			
4	Eligibility of Consortium agreements (if any) (pursuant to Instructions to Bidder)			
5	Original Bid Proposal (pursuant to Instructions to Bidder)			
6	Validity of Bid Proposal (pursuant to Instructions to Bidder)			
7	Original Bid Bond (pursuant to Article 6, Section 1 – Instructions to Bidder)			
8	Financial Capacity (detail in Table 1-A)			
9	Final Assessment			

Note: These above requirements are evaluated according to “qualified or disqualified” as result.

- “Qualified”: meet all requirements
- “Disqualified”: not meet any of these above requirements

Table 1-A: Financial Capacity

Financial Year End Currency	Requirement (%) in at least one of the last three years	2022 (%)	2023 (%)	2024 (%)
1. Current Ratio	> 100			
2. Net profit margin (%)	> 0			

Meet at least one (1) year of three (3) years

The essential criteria will be categorized under “ACCEPTABLE” or “NOT ACCEPTABLE” only.

Any Bid which passed Essential Criteria evaluation shall be accepted to detailed technical evaluation.

2. TECHNICAL REQUIREMENT & EVALUATION CRITERIA

I. PURPOSE OF USING THE SERVICE:

- Battery System of Switchgear P5103 2 x 100% 24 VDC providing power for F&G, DCS System. To maintain safe power source for production output, Battery System only replaced during trunk stop.
- Battery Charger P5103 2 x 100% 24VDC is used to charge the battery system for the following systems: F&G, DCS system on the Dai Hung 01 platform. Emergency power system is black out. Battery charger P5103 2 x 100% 24VDC on the rigs production since 1984 by Woods group. Currently the equipment is old, aging, damaged can not buy replacement equipment. In order to ensure that the 24VDC battery system on Dai Hung 01 rigs works in an emergency situation and has replacement equipment in the maintenance and repair process, replace the new 24VDC battery charger with a new one. work with high reliability, widely used, easy to buy replacement supplies.

II. SCOPE OF WORK

- This section includes the work to be done (not limited to surveying, planning, equipment supply, dismantling, installing new Battery Charger for 2 x 100% 24 VDC (2xCharger, 2xDVR, DB1-2/ Load sharing and synchronous-Ability to program custom value settings) and Battery of 24 VDC system. In line with the current system on the DH-01 platform.
- The control cabinet and battery will be installed on the floating platform DH01. The installation of the cabinets, these controls must be suitable for use in tropical marine environments. Ambient Temperature: 15 deg C min. to 40 deg C max.
- Environment: Salt Laden (Salinity 350/00)
- Max. Relative Humidity 100%
- Wind: 26m/s (1 minute), 29m/s (3 sec gust)
- @ 10m above mean sea level

III. CHARACTERISTICS, BASIC TECHNICAL SPECIFICATIONS OF THE CURRENT SYSTEM

III.1- Battery Charger:

- Manufacturer: Woods Group Industrial Controls Ltd, Aberdeen. Scotland
- Equipt. Type: R5/24/420
- Serial No: R0877/84
- Input: 3 Phase; 440VAC +5%,-10%; 60Hz +-2%

- Output: 24 VDC normal
- Full load Current: 420A
- Current limit: 440 A
- Battery current limit: 100A
- Output voltage load: 27.55 Vdc
- Boost: 33Vdc
- Low voltage 23.5Vdc
- High voltage: 31Vdc
- Temperature Ambient: -6 to 40 C degrees
- Dimension:
- Paintwork: AP46 epoxy enamel. Primer grey, finish sapphire blue semi gloss Ap46 BS4800 20 D45 External & internal.
- Protection: IP 32
- Gland plate on Top

III .2- Distribution Board:

- Distribution Board DB1, DB2

III .3- Battery:

- Nicd maintenance free battery 1.2V, 280AH; The nominal voltage is 1.2 V; Floating: 1.4-1.42V/Cell; Boost charge: max. 1.55V/Cell; Ambient Temp: -20°C to +40°C; 20 years service life time at +25°C, Discharge rate: Long discharge periods, which it can supply for a 5 hour discharge to 1.0V/cell after being fully charged;
- Quantity: 80 cells.
- Manufacturer: Saft Batteries.

III.3- Related document:

- Operation and Manternace Manual Equipment of 24 VDC.
- Drawings of the old Battery Charger system,...

IV. TECHNICAL REQUIREMENTS

Package service, not limited. The following specifications are part of the design, supply, installation of 2x100% 24VDC (2xCharger, 2xDVR, DB1-2/Load sharing and synchronous-Ability to program custom value settings) Battery Charger/Battery on DH01:

1. Provide and replace the new 2 x 100% 24VDC (2xCharger, 2xDVR, DB1-2/ Load sharing and synchronous-Ability to program custom value settings) Battery Charger

cabinet to ensure the specifications, in accordance with the current system and satisfy the following conditions:

- Input Voltage: 440VAC, +5% to -10%; Phases: 3, 60Hz, +/-2%
- Output Voltage Float: 29V, Boost: 31V (Ability to program custom value settings)
- Low voltage: 23.5 Vdc (Ability to program custom value settings)
- High voltage: 31.0 Vdc (Ability to program custom value settings)
- Rated current output: 500A
- Full load current: 500A
- Maximum continuous output on float and boost DC voltage at maximum output: 500A
- Ripple current less than 2%
- Ripple voltage average at full load at 1% rms
- Acoustic noise level (EN 50091)-(dBA)<75
- Electromagnetic Compatibility (EMC) IEC 62040-2 Class C3
- Operating Temperature (°C): 10 - 40 °C
- Ventilation Forced Cooling
- Rectification component: Thyristor 6 Pulse with Input isolation transformer
- Maximum 4000x1000x2200mm Time to charge associated battery fully, after discharge to 1.1 volts/cell: 10hrs to 80-90% C2
- Maximum variation of DC voltage between no load and full load: +/-3%
- Fail alarm for battery charger
- Fault monitoring: common fault, charge fail, Low voltage, high voltage, low electrolyte, main fail, earth fault
- Fuse failure monitoring
- Function monitoring: AC input, Float charge, Boost charge
- Overload capacity in rectifiers: 110%
- Floating charger from 75% to 125% Udc nominal (Ability to program custom value settings)
- Highrate charger from 75% to 135% Udc nominal (Ability to program custom value settings)
- Permissible maximum temperature rise of transformer: 45 0C
- Permissible maximum temperature rise of rectifiers: 55 0C

- Type of fuses for protecting rectifier cells for: main fuse/breaker & fuses protecting rectifiers: Fast acting
- Protection: Thermal protection, High voltage DC shutdown, mains failure shutdown, Short circuit, Limited to 100% of rated current, internal DC fuse, Nonvolatile storage of system parameters and user setting, Soft start function from 0 to 100%, Surge suppression, Phase sequence protection relay interlock with the control circuit, ...
- Front-panel with LC display, mimic diagram and detailed LED indications.
- Microprocessor controlled system logic (Ability to program custom value settings)

Intelligent real time event recorder for 2500 events

Mimic flow diagram with LED indication Comprehensive 8-line LCD display

Keys for operation and direct menu access with password protection

Measurements Available on LCD

Input voltage, current, frequency and power Output voltage, current, frequency and power
Bypass voltage and frequency

- Voltmeter
- Amperemeter

DBDC cabinet

Voltmeter

Amperemeter

- Certificates of: CE or IEC: Applicable standard: IEC601461; EN61000; EN5011
- Protection: IP41
- Maximum Dimension: Maximum 2 x 2200H/1000D/2000W
- Material: Mild Steel Plate
- Cable entries on the Top
- Terminal to connect the cable input/output in cubicle
- The ventilation fan of battery room run before Boost situation
- Fire & Gas signal
- The main contactor keeping the status during the power supply 440V transfer to Emergency supply or gainsay when the time for transfer lower than 4 second.

2. Supply Distribution Board DB1-DB2: Capable of parallel operation and backup power supply to each other.

- Distribution Board DB1: Maximum Dimention 2200H/1000D/500W

- CB1 F&G Panel 125A, CB2 F&G Panel 125A, CB3 Inverter, 30 MCB-32A
 - Distribution Board DB2: Maximum Dimension 2200H/1000D/500W
 - CB1 F&G Panel 125A, CB2 F&G Panel 125A, CB3 Inverter, 30 MCB-32A
 - Protection: IP41, Material: Mild Steel Plate, Cable entries on the Top
 - Total Maximum Dimension 2200H/1000D/1000W
 - Original: EU/G7
3. Supply Battery Nicd maintenance free battery 1.2V, 280AH; The nominal voltage is 1.2 V; Floating: 1.4-1.42V/Cell; Boost charge: max. 1.55V/Cell; Ambient Temp:-20°C to +40°C; 20 years service life time at +25°C, Discharge rate: Long discharge periods, which it can supply for a 5 hour discharge to 1.0V/cell after being fully charged; Accessories for installation this batteries, Service of Manpower and Tools for installation, testing and commissioning on DH01.
- + Performing capacity discharge test and maintenance, check, analysis condition of Battery according to IEC 60623 & Saft manufacturer's standards.
 - + Installation new batteries, testing and commissioning, calibration and setting battery charger, battery monitoring suitable with new batteries. Measuring technical parameter of battery and charger system at least 48 hours to assess the status of the battery and the charger and make sure the necessary recommendations to ensure long-term stability.
- Quantity: 10 Cells (UP1L 280 AH)
- Manufacturer: Saft Batteries
- Original: EU/G7
- Inverter 4-5KVA Qty: 2 Sets
4. New Battery Charger cabinet must be synchronized, in accordance with the current system, ensure the technical specifications, alarm signal characteristics, protection signal characteristics, ... meet the mechanical functions. Version of the old system.
 5. The work performed must be appropriate in terms of design, cabinet structure should be designed/manufactured to suit the requirements on the DH01 platform.
 6. The equipment used for the service should be reliable, safe and commonly used, easy to operate, maintain and replace in case of necessity.
 7. Conduct production according to technical requirements.
 8. Invite PVEP POC to conduct FAT at Vendor workshop before transporting equipment to PVEP POC warehouse.

9. Replace any cables if damaged. The new cables are Shipwiring cables, BLACK; Four core 600/1000V Continued; Type GSWB 658 Range (Braided); conductor standard tinned annealed copper BS6360; Ethylene Propylene Rubber EPR BS6899; Bedding Chlorosulphonated Polyethylene (CSP) BS6899; Armored Galvanized Steel Wire Braid (GSWB); Sheath Chlorosulphonated Polyethylene (CSP) BS6899 suitable with specifications of Charger & Distribution Board DB1-2.
10. After the dismantlement and installation, the inspection and testing shall be carried out in accordance with the operating procedures and parameters of the manufacturer, according to the process of inspection performed by the collector stated in the work process. Approved by PVEP POC in the presence of technical representative of PVEP POC.
11. Compile documentation (including documents including drawings, layout of control, diagram of connection system, operating document, specification of equipment, catalogs, replacement materials, test results, test run ...), minutes of acceptance and warranty according to regulations. Compile documentation (including documents including drawings, layout of control, diagram of connection system, operating document, specification of equipment, catalogs, replacement materials, test results, test run ...), minutes of acceptance and warranty according to regulations. Compile documentation (including documents including drawings, layout of control, diagram of connection system, operating document, specification of equipment, catalogs, replacement materials, test results, test run ...), minutes of acceptance and warranty according to regulations.

V. REQUIREMENTS FOR CONTRACTORS

V.1- Responsibilities of The Contractor

The contractor provides turnkey project including provide all materials, equipments and human resources to perform the following tasks:

- In the bidding dossier, the contractor shall have to supply the following requirements:
 - Provide a list of quotations including materials and manpower.
 - Provide the principle diagram, layout diagram of the new charger cabinet/DB1-2 in accordance with the old cabinet according to the attached glass.
 - Specification of new battery charger.
 - Provide a list of supplies, quantities, part number, specification of spare parts for 2 years of operation.
 - Provide manufacturer's supporting letter of this project in the bidding document: Battery charger, Battery.

- Provide the procedure of installation, commissioning operation procedures to ensure the battery has the best working condition and energy storage in the bidding document.
- Manpower must have a certificate of ability to perform installation, commissioning, and maintenance issued by the battery manufacturer (SAFT) and battery charger manufacturer.
 - Supply tools and equipment for replace, install, testing, calibration, commissioning system on DH01. Discharge tool: monitoring ampere, voltage, temperature, external resistant cell, Provide spec of discharge tool in bidding document.
 - Upgrading the design of the new battery charger: principle diagram, wiring diagram, material list layout, test procedure, etc ... to ensure the technical parameters and suitable for the system. The current system and technical requirements after signing the contract.
 - Provide manpower and equipment to dismantle the old charger cabinet & battery, install new cabinet & battery connect the equipment to the new cabinet & battery by design.
 - The contractor has the responsibility to provide and plan for the implementation of all items not specifically mentioned in the Technical requirement but necessary for the safety, stable operation of the equipment, both devices, tools for calibration and maintenance purposes.
 - Compile construction records (including drawings, manual operation, replacement materials, test results, test run ...), test record and warranty as prescribed.
 - The Contractor shall make a list of the main replacement parts and spare parts of the system within 2 years.
 - The contractor must report to the Leader, PVEP POC representative on the progress of the day's work and the direction of work on the next day.
 - Make a record of acceptance and completion of the service, list all substitutions, information from suppliers for all supplies, and all certificates, test results, etc.
 - System training for engineers, operators, maintenance maintenance, service support, warranty, etc.

V.2- Capacity Requirements Company:

- The VENDOR have permit for trading in the field of supply materials, installation, maintenance and repair of the measurement system, instrument control system, electrical systems, UPS, Battery & Charger system.
- At least one similar project (Battery Charger/Battery) within last 5 years.

V.3- Human Resource Requirements:

- Providing technical equipment, measuring tools, ordinary repair, special tools related to work and personal belongings for employees to the truss.
- Providing highly qualified human resources with at least 05 years of experience in the installation and operation of similar systems.
- Manpower must have a certificate of ability to perform installation, commissioning, and maintainance issued by the battery manufacturer (SAFT) and battery charger manufacturer.
- Provide project manager's CV.

V.4- Safety Requirements:

- Comply with the regulations of the system ensuring labor safety, industrial hygiene and environmental safety at the work place of the contractor and in Dai Hung 01.
- The contractor must provide safety equipment for all his staff when carrying out the work.
- Personnel participating in the performance of the University-01 rig must attend the safety class before the truss.
- Human resource must be certified by Bosiet.
- Follow safety instructions of safety officers on DH-01 platform.
- Comply with the regulations of the DH-01 platform.
- Comply with the system of work permit system on the DH01 platform.
- Under the supervision of technical staff of PVEP POC and DH-01 platform.

VI. REQUIREMENTS FOR MANUFACTURERS, TIMING TIME FOR EQUIPMENTS

- All main materials: Battery Charger/Battery and accessories in the list of supplies of the above system must be genuine, new 100%, unused production in 2025-2026. Origin: Eu/G7.
- The materials and equipment must have origin in accordance with the Technical Requirements.

- Delivery time: 8 weeks from the signing date but no later than May 10, 2026.
- Place of delivery: warehouse of PVEP POC Company in downstream port of PTSC-Vung Tau.
- Time to complete the service within 4-6 weeks, from the date of transportation equipment and staff of the contractor DH01.

VII. REQUIREMENTS FOR TECHNICAL DOCUMENTS AND CERTIFICATES

- Certificate of origin (CO) of the chamber of commerce export country for Charger, Battery (Original).
- Certificate of quality (CQ) of the manufacturer for Battery Charger, Battery (Original).
- Warrant certificate at least 12 months from the signing date of the acceptance record, handover system (original).
- Provides Instruction Manual, Operation & Maintenance Manual, system design drawings, Drawings, Spare Parts list (soft or hard copy).

VIII. RESPONSIBILITIES OF PVEP-POC

- Assign professional staff to supervise and assist in the replacement process.
- Provide sufficient technical documentation for replacement.
- Guiding the fire and explosion safety of the contractor's employees before performing the job.
- PVEP-POC will inform the contractor not less than 04 days about the time of commencement of work on the DH01 platform.

IX. EVALUATION CRITERIA

No.	EVALUATION CRITERIA	Level	Bidder	
			Acceptance	Not Acceptance
1	Business license in the field of technical services.	Major	x	x
2	Provide a list of similar projects that have at least one project implemented within 3 years.	Major	x	x
3	CV of Project manager (at least 5 years experience in design, installation, operation of electrical system, battery charger system.	Major	x	x
4	Ensure the YCKT of the medical section of Section IV.1, IV.2	Major	x	x

No.	EVALUATION CRITERIA	Level	Bidder	
			Acceptance	Not Acceptance
5	Provide schematic diagram, Layout diagram of new charger cabinet.	Major	x	x
6	Provide Specification of new battery charger cabinet.	Major	x	x
7	Provide a list of quotations including materials and manpower.	Major	x	x
8	Provide list of materials, quantity, part number, specification of spare parts for 2 years of operation.	Major	x	x
9	Provide preliminary construction plans for new cabinet installation.	Major	x	x
10	Provide Schedule to do the job.	Major	x	x
11	Made in accordance with Technical Requirement.	Major	x	x
12	Provides Instruction Manual, Operation & Maintenance Manual, Design Drawings, Drawings, Spare Parts List.	Major	x	x
13	Certificate of origin (CO) issued by the chamber of commerce of the exporting country for the Battery charger & Battery. (Original)	Major	x	x
14	Certificate of quality (CQ) of manufacturer for Battery charger & Battery. (Original)	Major	x	x
15	Warranty certificate at least 12 months from the date of signing the acceptance record, handover system (original).	Major	x	x
16	Year of manufacture 2025-2026.	Major	x	x
17	Place of delivery: warehouse of PVEP POC company at downstream port of PTSC-Vung Tau.	Major	x	x
18	Delivery time: 8 weeks from the date of signing the contract.	Major	x	x
19	Service completion time 4-6 weeks.	Major	x	x
20	Provide manpower and equipment for installation of equipment on FPU DH01.	Major	x	x
Result			Acceptance	Not Acceptance

Criteria for evaluation are:

- "Acceptance" when the contractor has no major item failed.
- "Not Acceptance" if the contractor does not meet any of the Major items.



CONTRACT

Between

**DOMESTIC PETROLEUM OPERATING BRANCH - PETROVIETNAM
EXPLORATION PRODUCTION CORPORATION LIMITED**

And

.....

For

**SUPPLY OF MATERIAL AND INSTALLATION/REPLACEMENT
SERVICE OF BATTERY CHARGER P5103 500A-24VDC/DUAL**

CONTRACT No.: PVEPPOC-26-xxxxx

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EXHIBITS

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EXHIBIT V	CHANGE ORDER PROPOSAL
EXHIBIT VI	INVOICING PROCEDURES AND ADMINISTRATION GUIDELINES
EXHIBIT VII	HEALTH, SAFETY AND ENVIRONEMENT REQUIREMENT

12
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PREAMBLE

This Contract (hereinafter referred to as "CONTRACT") is made and entered into this day of 2026 ("Contract Signing Date) effective as of the day of 2026 ("Effective Date") between:

DOMESTIC PETROLEUM OPERATING BRANCH - PETROVIETNAM EXPLORATION PRODUCTION CORPORATION LIMITED, a company organized and existing under the Laws of S.R Vietnam and having its registered address at 15th Floor, Victory Tower, 12 Tan Trao Street, Tan My Ward, Ho Chi Minh City, S.R. Vietnam, (hereinafter referred to as "CLIENT") of the first part;

And

<<CONTRACTOR>> _____, a company incorporated under the laws of _____ having its registered office at _____ and place of business at _____ (hereinafter referred to as "CONTRACTOR") of the second part. (Hereinafter the parties of the first and second parts shall be referred to singularly as "Party" and collectively as "Parties").

WHEREAS : CLIENT, pursuant to various Production Sharing Contracts entered into with PETROVIETNAM (Vietnam National Oil and Gas Corporation) is appointed as Authorized Operator's Attorney for the exploration, development and production of hydrocarbons for oil and gas fields offshore Vietnam.

WHEREAS : CLIENT in connection with its activities as aforesaid, desires to carry out drilling and associated operations in the Area of Operations and to enter into this CONTRACT with CONTRACTOR for the purpose of carrying out said operations; and

WHEREAS : CLIENT requires the **SUPPLY OF MATERIAL AND INSTALLATION/REPLACEMENT SERVICE OF BATTERY CHARGER P5103 500A-24VDC/DUAL** (hereinafter referred to as the "WORKS") as described in the **EXHIBITS** (attached hereto and made a part hereof) and in accordance with the terms of this CONTRACT;

WHEREAS : CONTRACTOR represents that it is able and willing to provide the aforementioned and that it has the experience and capability to do so expeditiously.

NOW, THEREFORE, for and in consideration of the mutual covenants and agreements set forth herein, the Parties hereto agree as follows:

ARTICLE 1 – INTERPRETATION OF CONTRACT

1.1 The following documents together constitute this CONTRACT:

CONTRACT FORM	ARTICLES 1 TO 43 INCLUSIVE
EXHIBIT I	SCOPE OF WORK AND TECHNICAL REQUIREMENTS
EXHIBIT II	EQUIPMENT, MATERIALS, SUPPLIES AND SERVICES TO BE PROVIDED BY CONTRACTOR
EXHIBIT III	CONTRACT PRICE
EXHIBIT IV	FORM OF BANK GUARANTEE
EXHIBIT V	CHANGE ORDER PROPOSAL
EXHIBIT VI	INVOICING PROCEDURES AND ADMINISTRATION GUIDELINES
EXHIBIT VII	HEALTH, SAFETY AND ENVIRONMENT REQUIREMENT

In the event of any ambiguity, inconsistency or conflict between the provisions of the **CONTRACT FORM** and **EXHIBITS** listed above, the **CONTRACT FORM** shall take precedence and prevail over the **EXHIBITS**.

In the event of any ambiguity, inconsistency or conflict between the provisions of the **EXHIBITS**, CLIENT shall decide the order of prevalence amongst the **EXHIBITS**.

- 1.2 Any reference or details provided in any one of the above documents but not in others shall be taken as read in all documents of this CONTRACT.
- 1.3 All standards, codes, specifications, drawings, instructions, and other documents that are referred to in the **EXHIBITS** shall be deemed incorporated herein by reference and made a part of the CONTRACT.
- 1.4 None of the documents herein before mentioned shall be used by CONTRACTOR for any purpose other than for this CONTRACT.
- 1.5 Unless otherwise specified by CLIENT, any reference to time period shall be deemed to be based on calendar days.
- 1.6 All headings, indexes, titles, subtitles, subheadings, words that are bold, italic, capitalised or otherwise emphasised of the CONTRACT are used for convenience and ease of reference only and should not be taken into consideration in the interpretation or construction of the CONTRACT.
- 1.7 All correspondences, documentations, and discussions with respect to the CONTRACT and the WORKS are to be in the English Language.

- 1.8 All instructions, notifications, agreements, authorisations, approvals and acknowledgements shall be in writing (whether by mail or by fax).
- 1.9 Any review, approval, acknowledgement or certificate given by CLIENT shall not relieve the CONTRACTOR from any liability or obligation under the CONTRACT.
- 1.10 Words importing the singular only also include the plural and vice versa where the context so requires.
- 1.11 A reference to “include” or “including” means including and without limitation and any word specified after the word “include” or its other grammatical forms shall not limit what else is included.

END OF ARTICLE

ARTICLE 2 – DEFINITIONS

The following definitions shall apply to this CONTRACT except where the context otherwise requires:

- 2.1 **"Affiliate" or "Affiliated Company"** means any company or other entity that directly or indirectly through one or more intermediary controls or is controlled by or is under common control with a Party to this CONTRACT. "Control" in this context means ownership of more than fifty percent (50%) of the voting stock of the controlled company or the direct or indirect right to determine its actions by contract or otherwise.
- 2.2 **"Approved" and "Approval"** wherever used means approved and/or approval in writing including subsequent written confirmations of previous verbal approvals by (where provided for under this CONTRACT) made by CLIENT.
- 2.3 **"Area of Operations"** means those areas of the seabed and subsoil beneath the territorial waters and the continental shelf off Vietnam in which CLIENT is entitled to conduct operations relating to the exploration and production of hydrocarbons.
- 2.4 **"Applicable Laws"** means in relation to any person, property or circumstance, statutes (including regulations enacted thereunder); decrees, laws, ordinances, by-laws, judgments and orders of courts of competent jurisdiction; rules, regulations and orders issued by government agencies, federal, national and/or local authorities and other regulatory bodies and/or other agencies having jurisdiction over the Work Site and/or the Parties; and regulatory approvals, permits, licenses, approvals and authorizations which are applicable to such person, property or circumstance.
- 2.5 **"Claim"** means any claim, demand, cause of action, proceedings, judgments, award (including reasonable legal fees, costs and expenses and reasonable sums paid by way of settlement or compromise), liability, loss, expense, penalty, fine and damages and the like arising from, relating to, or in connection with the performance, mis-performance or non-performance of this CONTRACT.
- 2.6 **"CLIENT"** means DOMESTIC PETROLEUM OPERATING BRANCH - PETROVIETNAM EXPLORATION PRODUCTION CORPORATION LIMITED and includes its consultants, agents, officers and employees.
- 2.7 **"CLIENT Contract Administrator"** means CLIENT's personnel as defined in ARTICLE headed as **"CLIENT'S CONTRACT ADMINISTRATOR AND REPRESENTATIVE(S)"**.
- 2.8 **"CLIENT Equipment"** means the equipment and other related parts, spares and other materials to be provided by CLIENT.
- 2.9 **"CLIENT GROUP"** means CLIENT, its Co-Venturers, its and their respective Affiliates, its and their respective directors, officers and employees of the aforesaid but shall not include any member of the CONTRACTOR GROUP.
- 2.10 **"CLIENT Representative"** means CLIENT's representative as defined in ARTICLE headed as **"CLIENT'S CONTRACT ADMINISTRATOR AND REPRESENTATIVE(S)"**.
- 2.11 **"Change Order"** means a document to be issued by CLIENT which sets forth changes in the WORKS and adjustments to the CONTRACT Price or Schedule or both, and which

sets forth the basis on which CONTRACTOR will be compensated for the change, if applicable.

- 2.12 **"CONTRACT"** means the terms and conditions of this **CONTRACT FORM**, and the **EXHIBITS**, references and documents attached hereto or incorporated by reference including any subsequent amendments to them.
- 2.13 **"CONTRACT Price"** means the agreed compensation to be paid to CONTRACTOR in a prescribed method as specified and qualified in **EXHIBIT III – CONTRACT PRICE**.
- 2.14 **"CONTRACTOR"** means the Party entering into the CONTRACT with CLIENT for the delivery of the performance of the WORKS or part thereof as set forth in the CONTRACT and includes the CONTRACTOR Personnel, representatives, successors and such other persons or body of persons to whom the CONTRACTOR has assigned this CONTRACT.
- 2.15 **"CONTRACTOR GROUP"** means the CONTRACTOR, its Sub-contractors, its and their Affiliates, its and their respective directors, officers and employees but shall not include any member of CLIENT GROUP.
- 2.16 **"CONTRACTOR Contract Administrator"** means CONTRACTOR's Personnel as defined in **ARTICLE** headed as **"CONTRACTOR'S CONTRACT ADMINISTRATOR AND REPRESENTATIVE"**.
- 2.17 **"CONTRACTOR Representative"** means CONTRACTOR's representative as defined in **ARTICLE** headed as **"CONTRACTOR'S CONTRACT ADMINISTRATOR AND REPRESENTATIVE"**.
- 2.18 **"CONTRACTOR Equipment"** means the equipment and other related parts, spare parts, materials, tools, drilling unit, vessels, marine spread, expendables, designated facilities and equipment and other supplies that are to be provided or supplied by CONTRACTOR as defined in **ARTICLE** headed as **"CONTRACTOR'S OBLIGATION"** and more specifically described in **EXHIBIT I – SCOPE OF WORK AND TECHNICAL REQUIREMENTS**.
- 2.19 **"CONTRACTOR Personnel"** means all personnel provided by CONTRACTOR in the performance of the WORKS as defined in **ARTICLE** headed as **"CONTRACTOR'S OBLIGATION"** and more specifically described in **EXHIBIT I – SCOPE OF WORK AND TECHNICAL REQUIREMENTS**.
- 2.20 **"Co-Venturers"** means any parties having a legal interest in the operation of CLIENT to which the WORKS or part thereof relates including but not limited to PETROVIETNAM EXPLORATION PRODUCTION CORPORATION LTD and Partners
- 2.21 **"Day"** or **"day"** means a calendar day. All day shall end at 24:00 local time at the relevant location in relation to which term "Day" or "day" is used, unless otherwise specified.
- 2.22 **"Drawings"** or **"Documentation"** means sketches, drawings, reports, manuals, procedures and recommendations of any portion of the WORKS or part thereof.
- 2.23 **"Expert"** means a person or company mutually agreed upon by CLIENT and CONTRACTOR to give a technical opinion in order to expedite settlement of any particular matter as described in **ARTICLE** head as **"ARBITRATION"**.

- 2.24 **"Gross Negligence"** means (i) any act or failure to act which seriously or substantially deviates from a prudent course of action or (ii) any act or omission in violation of the most elementary rules of diligence which a conscientious contractor in the same position and under the same circumstances would have followed or (iii) such wanton and reckless conduct or omission as constitutes in effect an utter disregard for foreseeable, harmful and avoidable consequences.
- 2.25 **"Party"** or **"Parties"** means CLIENT and/or CONTRACTOR who have their obligations pursuant to this CONTRACT.
- 2.26 **"Specification"** means a collection of documents, standards and codes to which the WORKS must conform to.
- 2.27 **"Standard"** means any description of a technical nature of materials, engineering methods and techniques, equipment, construction systems and methods, specifications, plans, workmanship or otherwise defining a result to be achieved or method to be followed.
- 2.28 **"Sub-contract"** means any contract between CONTRACTOR and any other third party or parties as Approved in writing by CLIENT for the performance of any portion of the WORKS or any part thereof.
- 2.29 **"Sub-contractor"** means any third party or parties having a subcontract with CONTRACTOR as Approved in writing by CLIENT for the performance of any portion of the WORKS or any part thereof.
- 2.30 **"Third Party"** means any person, association of person, company or other body corporate or commercial entity of whatever character, other than any member of CONTRACTOR GROUP and any member of CLIENT GROUP.
- 2.31 **"Wilful Misconduct"** means conscious wilful act or conscious wilful failure to act deliberately committed by a member of CONTRACTOR covered parties, or CLIENT covered parties, as the case may be, which is intended to cause harm or injury to persons or property.
- 2.32 **"WORKS"** means all activities or services to be performed and rendered by CONTRACTOR or its Sub-contractor as expressly set forth in the CONTRACT and all of CONTRACTOR's activities that are reasonably inferable from the description of the WORKS. This shall include work or services performed pursuant to any authorization for WORKS or changes, which may be issued to CONTRACTOR from time to time and shall therein become part of the WORKS.
- 2.33 **"Work Order"** shall mean a document issued by CLIENT to CONTRACTOR in the format provided in **EXHIBIT VI – INVOICING PROCEDURES AND ADMINISTRATION GUIDELINES** to this CONTRACT.
- 2.34 **"Work Site"** means the areas, places either onshore or offshore as designated by CLIENT where the WORKS are to be performed.
- 2.34 **"Writing(s)"** means all printed or hand-written documentation including but not limited to all telexes, cables and similar items. All requests, approvals, notices and agreements required under this CONTRACT shall be in writing.

END OF ARTICLE

ARTICLE 3 – DURATION OF CONTRACT

- 3.1 Subject to termination provision provided under **ARTICLE 23 – “PROVISION FOR TERMINATION OF CONTRACT”**, this CONTRACT shall commence on the Effective Date stipulated in the preamble and shall remain valid until both Parties had fulfilled their rights and obligations in accordance with the CONTRACT.
- 3.2 By giving written notice to CONTRACTOR no less than thirty (30) days in advance, CLIENT shall have the right to extend the duration of this CONTRACT to 12 months under the same terms and conditions but subject to mutual agreement on rate.

END OF ARTICLE

ARTICLE 4 – CONTRACT PRICE

- 4.1 For the satisfactory performance of the WORKS in accordance with the CONTRACT, CLIENT shall pay CONTRACTOR the lump sum amounts and/or unit rates detailed in the **EXHIBIT III – CONTRACT PRICE**. This compensation shall only be adjusted by the use of Change Order(s), as described in and subject to the provision of **ARTICLE 26 – "CHANGES"**.
- 4.2 If CONTRACTOR fails to complete WORKS, then as payment of damages to CLIENT, CONTRACTOR shall pay CLIENT the amount detailed in **ARTICLE 27 – "LIQUIDATED DAMAGE"**.
- 4.3 Except as expressly provided in this CONTRACT, the CONTRACT Price shall remain unchanged throughout the duration of this CONTRACT and shall not be subjected to change for any reason whatsoever including but not limited to cost escalation or currency fluctuations.
- 4.4 CONTRACTOR shall be responsible for and pay at its own expense (when due and payable) all taxes and duties relating to the WORKS as specified in **ARTICLE 9 – "TAXES AND DUTIES"**.

END OF ARTICLE

ARTICLE 5 – RESPONSIBILITY OF CONTRACTOR TO INFORM ITSELF

- 5.1 The CONTRACTOR shall be deemed to have:
- (a) Carefully read the CONTRACT documents to determine all the necessary services, labour, equipment and materials required for the performance of the WORKS;
 - (b) Familiarise itself with the Work Site, any restrictions applicable to or associated with the site whether imposed by any authority or third party and all ingress and egress from it;
 - (c) Obtain for itself in advance a full understanding and knowledge of the nature and scope of the WORKS and of the conditions under which the WORKS will be carried out.
- 5.2 Any information that CLIENT decides to give to the CONTRACTOR shall be information that is reasonably available to CLIENT at the material time.
- 5.3 The CONTRACTOR assumes total responsibility for all WORKS including WORKS, which is based upon data and information not contained in the CONTRACT or any conclusions, interpretations or WORKS by the CONTRACTOR in applying the data, information and requirements contained in the CONTRACT.
- 5.4 No additional payment beyond what has been agreed in the CONTRACT will be paid to the CONTRACTOR due the CONTRACTOR's lack of understanding of the nature and scope of the WORKS which a reasonably prudent CONTRACTOR should have determined and understood in advance, or due to the CONTRACTOR's conclusions or interpretations of any data or information.
- 5.5 Any failure by the CONTRACTOR to take account of matters, which may affect the WORKS, will not relieve the CONTRACTOR from its obligations under the CONTRACT.

END OF ARTICLE

ARTICLE 6 – RESPONSIBILITY OF CONTRACTOR TO INFORM CLIENT

- 6.1 The CONTRACTOR shall notify CLIENT without undue delay of all things that are or may appear to be:
- (a) in conflict with Applicable Law; or
 - (b) deficiencies, omissions, contradictions or ambiguities in the CONTRACT.
- 6.2 Failure to so notify shall be deemed to be the CONTRACTOR's confirmation that there are no conflicts, deficiencies, omissions, contradictions or ambiguities in the CONTRACT. However, if CLIENT does receive such notice, CLIENT will review these items and issue the necessary instructions before the CONTRACTOR proceeds with any part of the WORKS affected. The CONTRACTOR shall not proceed with the WORKS prior to the receipt of such instructions.
- 6.3 CONTRACTOR shall notify CLIENT immediately of any impending or actual stoppages of WORKS, industrial disputes or other matters affecting or likely to affect the performance of the WORKS.
- 6.4 The CONTRACTOR shall keep CLIENT fully informed of the progress of the WORKS and shall comply with the reporting requirements as set out by CLIENT.
- 6.5 Without prejudice to the foregoing, CONTRACTOR shall request in a timely manner, any information or detailed drawings it requires from CLIENT for the performance of the WORKS under this CONTRACT and CLIENT shall use its best endeavours to respond promptly to such request.

END OF ARTICLE

ARTICLE 7 – INVOICING AND PAYMENT

- 7.1 After completion of the WORKS, CONTRACTOR shall invoice CLIENT for the WORKS performed. The invoice may include any amounts due to CONTRACTOR, as well as charges, if any, made by CONTRACTOR for expenditure on CLIENT's behalf. Expenditures on CLIENT's behalf shall be authorized in writing by CLIENT Contract Administrator before being incurred.
- 7.2 All invoices claimed by CONTRACTOR shall be itemized as being directly associated with the CONTRACT and shall be verified and signed by the authorized signatory designated in **ARTICLE 18** entitled "**CONTRACTOR'S CONTRACT ADMINISTRATION AND REPRESENTATIVE**" hereof prior to submission to CLIENT for payment. Invoicing for WORKS performed shall be kept current at all times. All invoices submitted shall comply with the requirement of **EXHIBIT VI – INVOICING PROCEDURES AND ADMINISTRATION GUIDELINES**.
- 7.3 Any charges made by CONTRACTOR for items reimbursable at actual cost under this CONTRACT or payments made on CLIENT's behalf shall be net of all discounts and allowances, whether or not taken by CONTRACTOR plus appropriate handling cost as specified in **EXHIBIT III** and be supported by sufficient documentation to fully support such reimbursement and permit verification thereof by CLIENT.

7.4 A full set of documents payment include:

- Letter of Payment Request (original);
- Value Added Tax Invoice or E-Invoice (original);
- Copies of the relevant pages from the CONTRACT supporting any rate or charge contained in the invoice;
- Original copies of all invoices for reimbursable items if any;
- CO/CQ, Warranty Certificate, Delivery Notice for Products having been provided (Original);
- FAT/SIT protocol if any (Original);
- Final Acceptance Protocol signed by duly authorized representative of both parties (Original);
- Final report if any (Original);

Invoices shall indicate the CONTRACT number and title and shall be submitted in one (1) original and one (1) copy each complete with the necessary documentation required by CLIENT and shall be addressed to:

**DOMESTIC PETROLEUM OPERATING BRANCH - PETROVIETNAM
EXPLORATION PRODUCTION CORPORATION LIMITED**

15th Floor Victory Tower
12 Tan Trao Street, Tan My Ward,
Ho Chi Minh City, S.R Vietnam
Tel: (84-28) 3776 2222 Fax: (84-28) 3872 1079
Attn: **Manager, Finance & Accounts**

- 7.5 Payments of undisputed invoiced items shall be made on or before the forty-fifth (45th) day after receipt thereof. If the forty-fifth (45th) day falls on a Sunday or a gazetted public holiday, the next working day shall be deemed to be the due day for payment. Payments in respect of disputed items may be withheld by CLIENT until the settlement of the

dispute by mutual agreement. Payments made by CLIENT shall not preclude the right of CLIENT to thereafter dispute any of the items invoiced.

- 7.6 Payments in respect of disputed items may be withheld by CLIENT until the settlement of the dispute by mutual agreement. In the event that CLIENT disputes any item on a particular invoice, CLIENT shall be entitled to withhold from payment only the actual amount in dispute and CLIENT shall inform CONTRACTOR of the disputed items within thirty (30) calendar days of the receipt by CLIENT of that particular invoice.
- 7.7 CLIENT shall be entitled to withhold payment if any of CONTRACTOR's invoices do not include the supporting documentation required by CLIENT. **In any case, Bank guarantee as required under ARTICLE 8 - BANK GUARANTEE (if applicable) shall be included in the supporting documentation.**
- 7.8 As a condition precedent to making any payments to CONTRACTOR, CONTRACTOR shall, if requested by CLIENT provide satisfactory evidence that the payment for all labour, materials, equipment and other obligations arising out of the performance of this CONTRACT have been fully specified and discharged.

If CLIENT receives a bona fide claim from CONTRACTOR's suppliers or Sub-contractors that they have not been paid by CONTRACTOR for WORKS done or material furnished in connection with the performance of WORKS under this CONTRACT, CLIENT shall first consult with CONTRACTOR with respect to such complaint. If after such consultation, CLIENT is of the reasonable opinion that such complaint is valid, CLIENT shall be entitled to withhold such amounts from payments due to CONTRACTOR under this CONTRACT until CONTRACTOR discharges such claims whereupon CLIENT will immediately release such sums withheld to CONTRACTOR.

- 7.9 Payment due to CONTRACTOR may be withheld by CLIENT on account of defective WORKS done and not remedied by CONTRACTOR, unsatisfactory performance of the CONTRACT, the filing of claims against CLIENT caused by acts or omissions of CONTRACTOR or failure of CONTRACTOR to pay amounts when due for labour or materials used by CONTRACTOR in performing WORKS or amount due to CONTRACTOR's Sub-contractors(s) on WORKS.
- 7.9 As a condition precedent to making any payments to CONTRACTOR, CONTRACTOR shall, if requested by CLIENT provide satisfactory evidence that payment due for all labour, materials, equipment and other obligations arising out of the performance of this CONTRACT have been fully satisfied and discharged.
- 7.10 CLIENT shall have the right to deduct any monies due to the CONTRACTOR under this CONTRACT in the event and on proof of default in payment of wages by CONTRACTOR for settlement of such claim. Such payment shall be deemed to be payment made to the CONTRACTOR by CLIENT under and by virtue of this CONTRACT.
- 7.11 If and when the cause or causes for withholding any such payment has/have been remedied or removed by CONTRACTOR and satisfactory evidence of such remedy or removal has been presented to CLIENT, the payments withheld shall be made forthwith by CLIENT.
- 7.12 If CONTRACTOR fails to take appropriate remedial action or refuses to remedy or remove any cause for withholding such payments within forty-five (45) calendar days after delivery written notice to CONTRACTOR by CLIENT, CLIENT shall be entitled to cause the same to be remedied or removed on its own and may deduct the cost including the expenses thereby incurred by CLIENT from any amounts due or owing or

which may become due or owing to the CONTRACTOR under the CONTRACT provided always that this provision shall not affect any other remedy to which CLIENT may be entitled to for the recovery of such sums.

- 7.13 For delay in completion of WORKS due to CONTRACTOR's and/or its Sub-Contractors' negligence, CLIENT shall have the right to deduct any payment to amount of liquidated damages as provided in **ARTICLE 27** entitled "**LIQUIDATED DAMAGES**", or adjust the CONTRACT Price in accordance with **ARTICLE 4.2**.
- 7.14 Upon notification of any erroneous billings made by or payments made to CONTRACTOR by CLIENT, CONTRACTOR shall within fourteen (14) days, make appropriate adjustments therein and reimburse to CLIENT any amounts of over-payment still outstanding as reflected by said adjustments. Notwithstanding the foregoing, CLIENT shall be entitled to deduct such amount from payment due to CONTRACTOR. Accordingly, CLIENT shall pay CONTRACTOR any amount of under-payment subject to verification thereof.
- 7.15 Payment made under this CONTRACT shall not preclude the right of CLIENT to thereafter dispute any of the items invoiced and shall not constitute an admission by CLIENT as to the performance by CONTRACTOR of its obligations hereunder and in no event shall any such payment affect the warranty obligations of CONTRACTOR. Any payments withheld shall be without prejudice to any other rights or remedies available to CLIENT.
- 7.16 CLIENT shall not be responsible and liable to pay any invoice(s) received later than three (3) months from CONTRACTOR after Termination of this CONTRACT for the performance of the WORKS.
- 7.17 All invoices, financial settlements and billings by CONTRACTOR to CLIENT shall reflect properly the facts relating to all activities and transactions handled for CLIENT's account.
- 7.18 All payments to Domestic CONTRACTOR by CLIENT under the terms of this CONTRACT shall be made in Vietnam Dong (VND), except for payments for WORKS performed by Foreign CONTRACTOR's Sub-contractor/Parent Company/Subsidiary/Affiliate which is made in United State Dollar (USD) to such Foreign CONTRACTOR's Sub-contractor/Parent Company/Subsidiary/Affiliate by CONTRACTOR which shall be back-to-back made to CONTRACTOR by CLIENT in USD provided that CONTRACTOR shall provide CLIENT with all necessary supporting documents for such payment in USD, including but not limitation to a contract, custom declaration, invoice, etc. All payments to Foreign CONTRACTOR by CLIENT under the terms of this CONTRACT shall be made in US Dollar (USD). The exchange rate to be used to convert shall be the transfer rate for VND and USD announced by the Bank for Foreign Trade of Vietnam (Vietcombank) at the time of VAT invoice issuance shall be applied.
- 7.19 All payments to CONTRACTOR shall be made to:
BANK NAME AND ADDRESS : _____
ACCOUNT NUMBER : _____

END OF ARTICLE

ARTICLE 8 – BANK GUARANTEE

- 8.1 CONTRACTOR shall furnish to CLIENT an irrevocable first call and unconditional Bank Guarantee in the format set out in **EXHIBIT IV** of this CONTRACT amounting to ten percent (10%) of the CONTRACT value, issued by a reputable bank and acceptable to CLIENT within ten (10) days from the contract signing date to guarantee the due performance by the CONTRACTOR of its obligations under this CONTRACT. The expiry date of this Bank Guarantee shall be not earlier than three (03) months after the end of the CONTRACT and any extension thereto. Such guarantee shall be binding notwithstanding such variation, alterations or extensions of time as may be made, given, conceded or agreed under this CONTRACT. The expense of preparing, completing and stamping such instrument shall be borne by CONTRACTOR.
- 8.2 Should the expiry date of the Bank Guarantee required to be furnished pursuant to the foregoing **ARTICLE 8.1** occur before the expiry period mentioned above, the CONTRACTOR shall provide, at least fourteen (14) days before the expiry date, a fresh guarantee in the form similar to and in the amount of those previously provided, except for a revised date of expiry which shall not be earlier than three (3) months after the end of the CONTRACT or any extension thereto. Should CONTRACTOR fail to provide the fresh guarantee as required, CLIENT shall, without prejudice to all its other rights under the CONTRACT or in law, have the right at any time to invoke the Bank Guarantee referred to in **ARTICLE 8**.
- 8.3 If the Bank Guarantee to be furnished pursuant to **ARTICLE 8**, is not duly furnished by CONTRACTOR to CLIENT within the above prescribed period, CLIENT may, at its option and without prejudice to any rights or claims it may have against CONTRACTOR by reason of CONTRACTOR's noncompliance with any of the provisions of this **ARTICLE**, withhold an amount equivalent to the payment due or becoming due to the CONTRACTOR under this CONTRACT until such time the Bank Guarantee is furnished by the CONTRACTOR, whereupon CLIENT shall immediately release such sums withheld to CONTRACTOR, or terminate this CONTRACT by notice in writing to CONTRACTOR. In the case of termination, CLIENT shall thereupon not be liable for any claim or demand from CONTRACTOR under the provisions of this CONTRACT in respect of anything then already done or furnished, or in respect of any matters or thing whatsoever in connection with or relating to this CONTRACT, but CLIENT shall be entitled to be reimbursed by CONTRACTOR for all reasonable documented expenses incurred by CLIENT in obtaining a new contractor to perform the WORKS.
- 8.4 CLIENT reserves the right to instruct CONTRACTOR to revise the Bank Guarantee amount to correspond to any increase in the CONTRACT Price. Failure to revise the Bank Guarantee shall constitute a failure by CONTRACTOR to perform this CONTRACT entitling CLIENT to make an immediate call on the Bank Guarantee.

END OF ARTICLE

ARTICLE 9 – TAXES AND DUTIES

9.1 CONTRACTOR LEGAL STATUS

9.1.1 Vietnamese CONTRACTOR

The CONTRACTOR is a Vietnamese registered business entity which is registered under Vietnamese Laws (including but not limited to, the Corporate Law, Investment Law, Petroleum Law, etc.) and applying Vietnamese Accounting System.

- 9.1.1(a) The CONTRACTOR shall be liable for and declare and pay at its own cost and cause to be paid any and all taxes and duties of whatsoever nature assessed or levied against the CONTRACTOR and its employees or agents by the competent authorities of Vietnam or any other country on account of or in relation to or in connection with the WORKS.
- 9.1.1(b) The CONTRACTOR shall be liable for and pay or cause to be paid any and all taxes and duties levied or assessed against the CONTRACTOR or against the CLIENT by the competent authorities of Vietnam in respect of personal income, salaries or any other benefits of whatsoever nature paid to or received by or acquired by the CONTRACTOR's employees.
- 9.1.1(c) Notwithstanding **ARTICLE 9.1.1(a)**, the CLIENT shall pay the Value Added Tax ("VAT") amount imposing for the WORKS as stated on the VAT invoices issued by the CONTRACTOR for the WORKS and the CONTRACTOR shall settle the VAT levied on this WORKS to the relevant Tax Authorities of Vietnam.
- 9.1.1(d) The CONTRACTOR agrees to observe all laws, rules and regulations of Vietnam relating to taxes and duties, including income taxes, and including, if applicable the filing of returns, assessment of tax and keeping and showing of books and records.
- 9.1.1(e) The CONTRACTOR shall indemnify and hold the CLIENT harmless against any and all liability and claims of whatsoever nature resulting from the CONTRACTOR's failure to pay such taxes, levies and duties referred to in above **ARTICLES 9.1.1(a), 9.1.1(b)** and **9.1.1(c)**.
- 9.1.1(f) If the CLIENT receives a notice requiring it to pay any levies, charges contributions and taxes of the type referred to in this **ARTICLE 9.1** and/or any interest or penalty thereon whether with respect to the CONTRACTOR, any its Sub-contractor or any other person employed by them or providing any services to them on or in connection with the CONTRACT, the CLIENT shall forthwith notify the CONTRACTOR who shall cooperate with the CLIENT to make all reasonable endeavors to make any valid appeal against such payment. In the event that the CLIENT is ultimately required to make such payment, the CLIENT may recover from the CONTRACTOR any such sums and all reasonable costs incurred in connection therewith and the CONTRACTOR shall within thirty (30) days of receiving written notice from CLIENT pay to the CLIENT any such sum or CLIENT shall be entitled to deduct such sums from any monies due, or which may become due, to the CONTRACTOR.

9.2 Personal Income Tax

The CONTRACTOR shall be responsible to register, declare and pay to the any government authorities including but not limited to Vietnamese Tax authorities any

Personal Income Tax or other statutory obligations due and payable in relation to the remuneration of all CONTRACTOR's and its Sub-contractors' Personnel. CONTRACTOR shall submit all necessary documentation (including but not limited to tax declarations, evidence of payment, tax receipt) to CLIENT to support such payment and substantiate that proper payment has been made to the Vietnamese Tax Authorities.

9.3 Importation and exportation of CONTRACTOR's material and equipment

- 9.3.1 CONTRACTOR shall at its own expenses be responsible for all customs duties, licenses, fee, import or tariffs or similar charges imposed by the Government of Vietnam or any other countries, states or relevant authorities which the CONTRACTOR is obligated to pay in relation to CONTRACTOR's supplied materials and equipment imported into the Socialist Republic of Vietnam for performance of the WORKS.
- 9.3.2 CONTRACTOR shall be responsible for the preparation of all documents required by Customs Authorities in connection with the import and export of CONTRACTOR Equipment to and from the Socialist Republic of Vietnam.
- 9.3.3 Notwithstanding the fact that CONTRACTOR Equipment is imported in the name of CLIENT, CONTRACTOR shall remain responsible for such equipment while in the Socialist Republic of Vietnam. CONTRACTOR shall protect, indemnify and hold harmless CLIENT from and against any claims, demands and causes of action, which may arise as a result of damage to, shortages, or overages in inventory of such equipment.
- 9.3.4 Upon termination of this CONTRACT or the operation involving the use of such CONTRACTOR Equipment, whichever occurs first, CONTRACTOR shall take immediate steps to remove such equipment from the Socialist Republic of Vietnam other than equipment used or consumed in the performance of the WORKS. Unless CLIENT agrees otherwise in writing, CONTRACTOR shall comply with all directions and procedures as required by CLIENT to cause such equipment to be removed as expeditiously as possible.
- 9.3.5 CONTRACTOR shall indemnify and hold CLIENT harmless from and against any and all taxes, duties, surcharges, fines, or penalties of whatsoever nature for which CLIENT shall be or become liable as a result of CONTRACTOR's failure to comply with the directions and procedural requirements of CLIENT with respect to the removal of CONTRACTOR Equipment imported in CLIENT's name or as a result of CONTRACTOR's act in selling, transferring, disposing, or otherwise dealing with such equipment prior to its removal from the Socialist Republic of Vietnam or as a result of CONTRACTOR's failure to furnish proper and accurate information for import of such equipment.
- 9.4 Without prejudice to **ARTICLES 9.1, 9.2 and 9.3**, CONTRACTOR shall protect and indemnify and hold CLIENT, its Co-Venturers and their respective Affiliates safe and harmless from any and all claims or liability for income, excess profits, royalty, and other taxes assessed or levied by the Government of any country against CONTRACTOR or its Sub-contractors or against CLIENT for or on account of any payment made to or earned by CONTRACTOR or its Sub-contractors hereunder. CONTRACTOR further shall protect and hold CLIENT harmless from all taxes

assessed or levied against or on account of wages, salaries, or other benefits paid to or enjoyed by employees of CONTRACTOR or its Sub-contractors, and from all taxes assessed or levied against, on, or for account of any property or equipment of CONTRACTOR or its Sub-contractors.

- 9.5 CLIENT shall herein have the right to withhold including but not limited to income, excess profit, royalty, and other taxes from payment due to CONTRACTOR under this CONTRACT, to the extent that such withholdings shall be required by the Government authorities of any country including the Vietnamese Government Authorities. Payment by CLIENT to the respective governmental office of the amount of money so withheld shall relieve CLIENT from any further obligation to CONTRACTOR with respect to the amount so withheld.
- 9.6 CONTRACTOR shall indemnify CLIENT against all claims, demands and causes of action based on any actual or alleged failure by CONTRACTOR or its Sub-contractors to make timely payment of any taxes or duties for which they are liable or any actual or alleged failure by CONTRACTOR or its Sub-contractors to comply with applicable reporting, return, or other procedural requirements with respect to their payment to any Government authorities of any country including the Vietnamese Government Authorities. This indemnity shall include, without limitation, all penalties, awards and judgments, court and arbitration costs, attorneys' fees, and other reasonable expenses associated with such claims, demands, and causes of action.
- 9.7 For the purpose of **ARTICLE 9** only, the expression "tax" shall mean, where the context so admits, any tax, duty or charge, including any additional charge or interest, assessed or levied by the appropriate Vietnamese Government Authority in respect of the CONTRACT.
- 9.8 CONTRACTOR shall give prompt notice to CLIENT of all matters pertaining to non-payment, claims of immunity, or exemption from any taxes or duties.

END OF ARTICLE

ARTICLE 10 – INSURANCE

10.1 CONTRACTOR shall at its own cost and expense carry and maintain in full force throughout the duration of this CONTRACT at least the following insurances with companies satisfactory to CLIENT. Nothing contained herein shall serve in any way to limit or waive CONTRACTOR's responsibility under this CONTRACT. The insurances to be carried by CONTRACTOR are as follows:

- (a) Workmen's Compensation or Similar Statutory Social Insurance and/or Employer's Liability Insurance as required by law at the location where the WORKS will be performed and which may be applicable covering all CONTRACTOR's employees engaged in accomplishing the WORKS. Such insurance shall take effect immediately from the award of the CONTRACT.
- (b) Comprehensive General Third Party Liability Insurance covering all operations hereunder against bodily injury, death, loss of or damage to property for any one occurrence with water craft exclusion deleted. Such insurance shall include contractual liability coverage and shall take effect immediately from the award of the CONTRACT.
- (c) "All Risks" Property Damage and Transit Insurance covering CONTRACTOR Equipment at all times during the duration of this CONTRACT including, but not limited to, losses occurring at the Work Site(s) and/or in transit to or from the Work Site and/or between Work Site(s).

10.2 To the extent of indemnities given by CONTRACTOR herein, CONTRACTOR shall cause CLIENT and Co-Venturers, their parent companies, subsidiaries, Affiliates, consultants and their respective agents, officers and employees to be included as additional assured and to be covered by all insurances as stipulated in **ARTICLE 10.1** with respect to operations conducted under this CONTRACT and shall cause the insurers thereof to waive all expressed or implied rights of subrogation against such Parties and their respective employees, servants and agents.

CONTRACTOR shall cause the insurers thereof and of any other policy of insurance carried by CONTRACTOR including insurance covering CONTRACTOR Equipment and materials used in the performance of the WORKS to waive all expressed or implied rights of subrogation against such Parties and their respective employees, servants and agents.

CONTRACTOR shall further cause the insurance policy as stipulated in **ARTICLE 10.1** herein to contain a "Severability of Interests" (Cross Liability) Clause providing that in the event of one insured Party incurring liability to any of the other insured Parties, the insurance shall apply for the benefit of the Party against whom claim is or may be made in the same manner as if separate policies had been issued to each insured Party.

10.3 All deductibles, exceptions, and exclusions applicable to the foregoing insurances resulting from any act or omission of CONTRACTOR shall be for the account of and be paid by CONTRACTOR. Any breach of conditions and/or warranties contained in such policies of insurances shall also be for the account of CONTRACTOR.

- 10.4 CONTRACTOR shall fully indemnify CLIENT against loss or damage arising out of any failure to effect or maintain such insurances specified by this CONTRACT or out of any act or omission which invalidates the said insurances.
- 10.5 Should CONTRACTOR at any time neglect or refuse to provide or renew any insurance required herein, or should any insurance be cancelled, CLIENT shall upon notification to CONTRACTOR have the right to procure such insurance and, in such event, any sum so paid by CLIENT shall immediately become due and payable to CLIENT by CONTRACTOR or CLIENT shall be entitled to deduct such sums from any moneys due or which may become due to CONTRACTOR in addition to any other remedies CLIENT may have under this CONTRACT.
- 10.6 CONTRACTOR shall notify CLIENT immediately upon receipt of any notice of claims, incidents, or demands or of any situation which may give rise to such claims or demands being made under the said policies. Written notice shall be given not later than two (2) days after the occurrence of any accident. However, for serious accidents (including but not limited to death or serious injuries) notice shall be given immediately and must be confirmed in writing.

END OF ARTICLE

ARTICLE 11 – LIABILITIES AND INDEMNITIES

11.1(a) Personnel of CONTRACTOR

CONTRACTOR shall be responsible for and shall protect, defend, indemnify and hold harmless CLIENT GROUP from and against any and all claims, liabilities, costs, damages and expenses of every kind and nature, with respect to injury or death of or damage to or loss of property of any person employed by CONTRACTOR GROUP arising during and/or as a result of the performance of this CONTRACT, including when due to the negligence or wilful misconduct of an indemnitee.

11.1(b) Personnel of CLIENT

CLIENT shall be responsible for and shall protect, defend, indemnify and hold harmless CONTRACTOR GROUP from and against any and all claims, liabilities, costs, damages and expenses of every kind and nature, with respect to injury or death of or damage to or loss of property of CLIENT GROUP arising during and/or as a result of the performance of this CONTRACT, including when due to the negligence or wilful misconduct of an indemnitee.

11.2 Third Party

Unless otherwise expressly provided for in this CONTRACT, each Party shall be solely responsible for its own liability (including that of its Sub-contractors and/or agents and/or employees) in respect of Third Party damages and shall hold the other Party harmless from and against any such liability.

11.3(a) CONTRACTOR's Equipment and Property

Save as otherwise expressly provided in this CONTRACT, CONTRACTOR shall assume the risk of, and shall be solely responsible for and in this regard shall indemnify, defend and hold CLIENT GROUP harmless from and against any claims arising out of the damage to, the loss, or destruction of, all CONTRACTOR's Equipment and property and those of CONTRACTOR GROUP in relation to this CONTRACT.

11.3(b) CLIENT's Equipment and Property

CONTRACTOR shall assume the risk of, and shall be solely responsible for and in this regard shall indemnify, defend and hold CLIENT GROUP harmless from and against any claims arising out of the damage to, the loss, or destruction of, all CONTRACTOR GROUP (including damage to or loss of the hole or well and all well control efforts) in relation to this CONTRACT.

11.4 Pollution and Contamination

Notwithstanding anything to the contrary contained herein, CONTRACTOR shall be responsible for and hold harmless and indemnify CLIENT against all claims, cost, expenses, actions, proceedings, suits, demands and liabilities whatsoever arising out of actual or potential pollution damage and the cost of cleanup or control which cause or allow discharge, spills or leaks from substances of CONTRACTOR under this CONTRACT.

- 11.6 N/A
- 11.7 CONTRACTOR shall notify CLIENT immediately of any damage, loss or destruction of property used in connection with the WORKS and any injury or death of persons occurring in connection with the performance of the WORKS and to furnish to CLIENT adequate written reports pertaining to it.
- 11.8 CONTRACTOR shall protect, indemnify and hold CLIENT harmless from and against all liability for any pollution arising out of the WORKS performed hereunder and resulting from the negligent act or omission of CONTRACTOR and shall reimburse CLIENT for costs incurred or payment made by CLIENT to control or clean up the pollution or as compensation for payments made by CLIENT for damage suffered by others. CONTRACTOR undertakes that equipment or rubbish in any form originating from the WORKS will not be dumped overboard.
- 11.9 Except as otherwise provided in this **ARTICLE**, the indemnities given by the CONTRACTOR shall not be reduced by reasons of any negligence or omission of CLIENT Representative in failing to supervise or control the CONTRACTOR's site operations or methods of working or to detect or prevent or remedy defective WORKS or to ensure proper performance of any other obligations of the CONTRACTOR under this CONTRACT.
- 11.10 Except as expressly provided herein, CONTRACTOR shall be solely responsible for the costs of all loss or damage caused by the wilful misconduct, act, omission or negligence of CONTRACTOR.
- 11.11 CONTRACTOR shall notify CLIENT immediately of any incident, claims or litigation affecting the provisions of this **ARTICLE**.

END OF ARTICLE

ARTICLE 12 – ACCEPTANCE OF WORKS

- 12.1 All WORKS under this CONTRACT shall be performed in accordance with this CONTRACT to the satisfaction of the CLIENT representative.
- 12.2 Pursuant to this **ARTICLE**, CLIENT Representative shall, decide on all matters as to the performance and fulfilment of the CONTRACT and his decision thereon shall be final and conclusive.
- 12.3 Notwithstanding the above, acceptance of WORKS or part thereof or approval of CONTRACTOR's activities for the WORKS or partial payments made to the CONTRACTOR shall not relieve CONTRACTOR of any of its obligations and/or liabilities provided in this CONTRACT.

END OF ARTICLE

ARTICLE 13 – WARRANTY

- 13.1 CONTRACTOR warrants and guarantees that the WORKS shall be performed in a professional manner in accordance with good and sound offshore engineering and industry practices and with the requirements and conditions of this CONTRACT.
- 13.2 CONTRACTOR warrants that the design, equipment and products supplied under this CONTRACT comply with the technical specifications, are free from defects in materials, free from defects in workmanship, fit and suitable for the purpose and use for which they are intended as stated in this CONTRACT.
- 13.3 Notwithstanding anything contrary under this CONTRACT, if the defects appear within the warranty period as described above, CLIENT shall notify CONTRACTOR of the defects. At CLIENT's option, CLIENT may instruct CONTRACTOR to repair or replace or remedy the defective WORKS at no charge to CLIENT. Alternatively, CLIENT may repair or replace or remedy the defective WORKS and any/all expenses incurred by CLIENT for such repair or replacement or remedy work shall be reimbursed by CONTRACTOR.
- 13.4 The scope of CONTRACTOR's warranty shall cover all expenses incurred in the repair, replacement of all materials and equipment found to be defective, labour and all direct cost and remedy of the defective WORKS.
- 13.5 CONTRACTOR shall obtain from its Sub-contractors for assignment to CLIENT the best possible warranties and guarantees with respect to materials and workmanship of third party installed by CONTRACTOR. In the event that CONTRACTOR obtains more favourable warranties from its sub-suppliers and suppliers than those in this **ARTICLE**, such warranties shall be assigned to CLIENT.
- 13.6 CLIENT's inspecting, testing, witnessing tests, paying invoices or issuing any final acceptance shall not relieve CONTRACTOR from its warranty obligations set forth in this **ARTICLE**.
- 13.7 If CONTRACTOR fails to do the WORKS or part thereof, or make good the defect or deficiency as required by CLIENT within the specified period after delivery of written notice to CONTRACTOR by CLIENT, CLIENT shall be entitled to have the WORKS or part thereof, or the defect or deficiency or part thereof, as the case may be, carried out by its own personnel or by other contractor appointed by CLIENT. If the WORKS or the part thereof is WORKS, or the defect or deficiency or part thereof had been rectified in which CONTRACTOR should have carried out at CONTRACTOR's own cost, CLIENT shall, in addition to its right to invoke any Bank Guarantee which may have been furnished by the CONTRACTOR, be entitled to recover from CONTRACTOR the total cost to CLIENT thereof or may deduct the same from any moneys or payment due or which may become due to CONTRACTOR and if there are no or insufficient moneys available, CONTRACTOR shall reimburse CLIENT within thirty (30) days after invoicing for all such costs. In any events, CONTRACTOR shall guarantee the WORKS in the same term provided in the foregoing **ARTICLES**.

END OF ARTICLE

ARTICLE 14 – CONTRACTOR’S OBLIGATION

- 14.1 CLIENT shall, without prejudice to its rights under **ARTICLE 23 – “PROVISION FOR TERMINATION OF CONTRACT”** has the right to monitor and review, from time to time, the CONTRACTOR’s performance of the WORKS under this CONTRACT and CONTRACTOR’s compliance with its obligations hereunder.
- 14.2 CONTRACTOR shall perform the WORKS in strict compliance with the provisions of this CONTRACT including all **EXHIBITS** attached hereto and shall comply with and adhere strictly to CLIENT’s instructions and directions on any matter concerning the WORKS. The foregoing shall not however be construed to exclude CONTRACTOR’s duty to exercise diligence and to perform the WORKS in accordance with the warranty set forth in **ARTICLE 13 – “WARRANTY”** hereof.
- 14.3 CONTRACTOR shall carry out all of its obligations under the CONTRACT and shall execute the WORKS with all due care and diligence and with the skill to be expected of a reputable contractor experienced in the types of work to be carried out under the CONTRACT.
- 14.4 CONTRACTOR shall take full responsibility for the adequacy, stability and safety of all operations and methods necessary for the performance of the WORKS and shall comply with the **ARTICLE 20 – “HEALTH SAFETY AND ENVIRONMENT REQUIREMENT”**.
- 14.5 CONTRACTOR shall furnish the equipment, materials, and supplies and the necessary personnel required to perform the WORKS as specified in the **EXHIBITS** attached hereto.
- 14.6 CONTRACTOR shall commence the WORKS as instructed by CLIENT.
- 14.7 CONTRACTOR shall observe all plans, programs, specifications, schedules, and instructions provided or made by CLIENT for carrying out the WORKS.
- 14.8 During the progress of the WORKS performed hereunder, CONTRACTOR shall ensure that its personnel keep the designated area of the Work Site clean and orderly at all times and shall dispose of trash and spoil as instructed by CLIENT.
- 14.9 **CONTRACTOR furnished equipment, materials, and supplies**
- 14.9.1 CONTRACTOR shall at its own cost furnish, install, maintain in good working order, and repair and replace where necessary throughout the duration of this CONTRACT, relevant and adequate equipment, materials and supplies for full and proper performance of the WORKS, and shall carry all spare parts and supplies as required for maintenance and good working condition of CONTRACTOR Equipment.
- 14.9.2 CONTRACTOR shall ensure that all materials, tools, equipment and other items used in the WORKS, whether purchased, rented, or otherwise provided by CONTRACTOR, are properly packed and equipped with proper and acceptable slings and spreader bars, where required, and that the equipment are in a safe, sound and good condition and capable of performing the functions for which they are intended; and are properly stored and protected against all

weather elements that may be detrimental to the eventual performance of the equipment if no such protection is provided.

- 14.9.3 For equipment assigned to the WORKS, the CONTRACTOR must indicate on the proforma invoice that is submitted to CLIENT, at time of delivery of the equipment to the Supply Base, the description, the serial number of the equipment, maintenance record, year of manufacture and/or year of purchase, with documental support.

The proforma invoice must reach CLIENT at least one (01) day prior to the actual shipment. All items delivered must be accompanied by CONTRACTOR's delivery order and must be clearly tagged for material identification.

- 14.9.4 If any tool or other item of equipment is, in the judgement of CLIENT, unsafe or incapable of doing the functions for which it is intended, CONTRACTOR shall repair or replace the same with a safe and capable tool or item of equipment at CONTRACTOR's expense.

- 14.9.5 CLIENT shall have the right to inspect CONTRACTOR Equipment at any time to observe their condition. If CLIENT notifies CONTRACTOR of any defects thereto, CONTRACTOR shall take immediate steps to rectify the said defects at its own cost. However, such inspection by CLIENT shall not imply any acceptance of the condition of the said CONTRACTOR Equipment by CLIENT and CONTRACTOR shall not be relieved of its obligations under this CONTRACT by any such inspection.

- 14.9.6 CONTRACTOR shall keep and maintain up-to-date records of all CONTRACTOR Equipment reflecting their conditions and quantity and shall make such records available to CLIENT whenever requested.

- 14.9.7 CONTRACTOR agrees to visually inspect all CLIENT Equipment and materials furnished by CLIENT and shall report to CLIENT of any apparent defects therein. CONTRACTOR's use of such materials without so notifying CLIENT shall be deemed to be conclusive evidence that such materials are free from apparent defects. CLIENT Equipment on board the drilling unit shall be maintained in good condition and repaired by CONTRACTOR utilising CONTRACTOR Personnel and all spare parts, materials required to maintain or repair CLIENT Equipment at CONTRACTOR's sole cost.

14.10 **CONTRACTOR'S Personnel**

- 14.10.1 CONTRACTOR shall provide the necessary personnel as specified in **EXHIBIT I – SPECIAL PROVISION AND SCOPE OF WORKS**, and shall make the personnel available for commencement of the WORKS. CONTRACTOR shall thereafter ensure that such personnel are continuously available throughout the duration of the CONTRACT.

CONTRACTOR shall furnish at its sole expense any and all visas and work permits or other permits required for its personnel.

CONTRACTOR Personnel directly involved in the WORKS shall be subjected to call twenty-four (24) hours per day at the Work Site.

CONTRACTOR shall furnish additional personnel as CLIENT may request in writing from time to time.

14.10.2 All CONTRACTOR Personnel directly involved in the performance of the WORKS offshore shall have undergone the necessary basic safety training required by CLIENT's and shall possess a valid Offshore Safety Certificates. All related costs with respect to getting Offshore Safety Certificates for CONTRACTOR Personnel shall be at CONTRACTOR's own expenses.

14.10.3 **Discipline**

In the performance of the WORKS, CONTRACTOR shall maintain strict discipline and good order among its employees and CONTRACTOR'S and Sub-contractor's employees and shall not permit any of them to engage in any activities that might, in CLIENT's opinion, be contrary or detrimental to the performance of the WORKS or the interests of CLIENT.

14.10.4 **Alcohol And Drug Use**

- a) CONTRACTOR is responsible to ensure that its employees, agents, and Sub-contractors, its servants and its third party shall not use, be in possession or under the influence of any drug during the performance of the WORKS, or cause any drugs to be carried into the Work Site.
- b) CONTRACTOR shall also ensure that its employees, agents, Sub-contractors, its servants and third party shall not use or be in possession of, distribute or engage in the sale of alcohol/alcoholic beverages at Work Site.
- c) Any of the CONTRACTOR's personnel, employees, agents Sub-contractors and third party who is incapable of performing his work or duties due to the influence of alcohol, will be refused entry into or removed from the Work Site. CONTRACTOR shall replace such person immediately in accordance with the provision herein contained. Any cost incurred shall be for the CONTRACTOR's account.

14.10.5 **Replacement of CONTRACTOR Personnel**

- (a) CONTRACTOR shall employ on the WORKS only competent and skilled personnel. Subject to all other provisions of this **ARTICLE**, CONTRACTOR shall ensure that all such personnel continue in the functions and responsibilities to which they are initially assigned for as long as is necessary to achieve proper completion of the WORKS. CONTRACTOR shall not change the personnel assigned to perform the WORKS without prior approval from CLIENT in writing.

CONTRACTOR shall also take steps to ensure that in the event of a replacement, the replacement personnel shall be competent, skilled and familiar with the WORKS. Such steps shall include the training of the "would be" new personnel

to take-over the work at no additional cost to CLIENT and shall include an appropriate hand over period for the replacement personnel.

- (b) CLIENT shall be entitled to, without prejudice to any other rights or remedies available to CLIENT under this CONTRACT or otherwise in law, to object and require CONTRACTOR to remove from the WORKS and/or replace any of CONTRACTOR Personnel who, in the opinion of CLIENT, is incompetent, misconduct himself, is negligent in the performance of his duties, and/or violates CLIENT's alcohol/drug policy.

In such event, CONTRACTOR shall forthwith remove such person from the WORKS and such person shall not be re-employed in the WORKS again without the written permission of CLIENT. CONTRACTOR shall immediately replace, at CONTRACTOR's sole expense, any discharged person with a suitably qualified and experienced person acceptable to CLIENT.

In the event CONTRACTOR is unable to comply with these obligations, CLIENT shall have the option to terminate this CONTRACT.

14.10.6 Language Requirement

CONTRACTOR shall ensure that the personnel provided pursuant to this CONTRACT are competent, efficient and have adequate command of the English Language.

14.10.7 Personnel Policies

CONTRACTOR shall maintain good site housekeeping and shall furnish where applicable, to its personnel safety equipment including but not limited to safety helmets, safety shoes, safety harness and eye and ear protection.

CONTRACTOR shall be responsible for maintaining and enhancing the safety awareness of its personnel and Sub-contractor's personnel including arranging safety meeting and emergency drills.

CONTRACTOR shall establish and have its own written policy, safety rules and regulations for its employees and the employees of any of its Sub-contractors and shall also acquaint CLIENT Representative with the same.

- 14.11 At all times, CONTRACTOR shall respond promptly and shall accurately furnish to CLIENT information about the WORKS as requested.
- 14.12 In the execution of the WORKS, no persons other than the authorised employees or agents of the CONTRACTOR and the employees or agents of CLIENT, shall be allowed on the Work Site without the written consent of CLIENT.
- 14.13 Before commencing any hazardous work operations, CONTRACTOR shall inspect the Work Site and equipment involved to ensure that the WORKS will be performed under safe conditions acceptable to CLIENT. CONTRACTOR shall verify that "Work Permits" or "Certificates" are obtained prior to initiating any hazardous work.
- 14.14 CONTRACTOR shall at no cost to CLIENT be responsible for the medical welfare of its own and Sub-contractor's employees and shall take care of periodical medical

examinations, arrangements for medical attendance, treatment or hospitalisation if and when necessary and will arrange suitable insurance coverage for such contingencies. In cases of emergency, CLIENT may make or provide for, the necessary emergency arrangements, the costs of which shall be reimbursed to CLIENT by CONTRACTOR.

- 14.15 CONTRACTOR shall advise CLIENT immediately in writing of any labour dispute or anticipated labour dispute, which may be expected to affect the CONTRACTOR's performance of the WORKS.
- 14.16 CONTRACTOR shall promptly review the information, data, drawings and specifications provided by CLIENT and shall immediately bring to the attention of CLIENT all things which in CONTRACTOR's opinion appear to be deficiencies, omissions, contradictions or ambiguous in such information, data, drawings or specifications.
- 14.17 In addition to all legal and specific requirements stated herein, CONTRACTOR and CONTRACTOR's agents, employees, representatives and Sub-contractors who are engaged in the performance on the WORKS shall comply with, abide by and enforce at its sole expense any rules, regulations and standards on safety, fire protection and security regulations as set forth by CLIENT in its safety manuals, policies and special instructions.
- 14.18 CONTRACTOR shall ensure that all its employees, agents and Sub-contractors comply with CLIENT's rules, regulations, practices and requirements in the area of CLIENT's operations. This shall not relieve CONTRACTOR of its obligations as stipulated herein and in particular this **ARTICLE**.

END OF ARTICLE

ARTICLE 15 – CLIENT'S OBLIGATION

15.1 Access To Work Site

CLIENT shall ensure that CONTRACTOR has rights of ingress and egress for its personnel and CONTRACTOR Equipment to and from the Work Site(s), subject to the provisions of **ARTICLE 14 -"CONTRACTOR'S OBLIGATION"**. CLIENT shall promptly advise CONTRACTOR of any restrictions, conditions, or limitations in CLIENT's permits or authorisations.

15.2 Use of CONTRACTOR Equipment

CLIENT shall not, without CONTRACTOR's specific consent, authorise any person other than CONTRACTOR Personnel to operate CONTRACTOR Equipment. However, if an emergency should arise, CLIENT may operate CONTRACTOR Equipment and shall notify CONTRACTOR of such use. CLIENT shall pay CONTRACTOR the equipment rental rate, if applicable as specified in **EXHIBIT III – CONTRACT PRICE**.

15.2 CLIENT shall provide document and information to support CONTRACTOR in performing the WORKS.

END OF ARTICLE

ARTICLE 16 – ACTIONS ON BEHALF OF CLIENT

- 16.1 CONTRACTOR shall take no action on behalf of CLIENT in the performance of the WORKS, which would subject either Party to liability or penalty under any laws, rules, regulations, or decrees of any relevant authority.
- 16.2 CONTRACTOR shall have no authority to and shall not make any statements, representations or commitments of any kind or to take action which shall be binding upon CLIENT, except as provided for herein or otherwise authorised in writing by CLIENT.
- 16.3 CONTRACTOR is an independent CONTRACTOR and neither CONTRACTOR nor CONTRACTOR's respective employees are deemed to be agents or employees of CLIENT.
- 16.4 CONTRACTOR shall notify CLIENT promptly upon discovery of any instance where CONTRACTOR has not complied with the requirements of this **ARTICLE**.

END OF ARTICLE

ARTICLE 17 – CLIENT’S CONTRACT ADMINISTRATOR AND REPRESENTATIVE(S)

The following defined CLIENT Contract Administrator and Representative(s) shall be designated in **EXHIBIT I – SCOPE OF WORKS**. Notice of any change shall be given by CLIENT to CONTRACTOR in writing.

17.1 CLIENT Contract Administrator

CLIENT Contract Administrator is the person who shall be responsible for and is duly authorised to receive and act on behalf of CLIENT on all matters pursuant to the terms and conditions of this CONTRACT. The CLIENT Contract Administrator shall have the authority to make the final decisions for CLIENT on all questions, controversies, or disputes involving the interpretation and implementation of this CONTRACT.

17.2 CLIENT Representative(s)

The CLIENT Representative shall have the right to receive all information pertaining to records, reports, and any other information pursuant to the WORKS and **EXHIBITS** attached hereto.

CLIENT Representative(s) shall have the right to issue instructions with respect to the CONTRACT, reject or disapprove of any part of the WORKS, which does not conform to this CONTRACT, and to decide on all matters or questions which may arise relating to the performance of the WORKS and his decision shall be final and conclusive.

CLIENT Representative(s) shall be entitled to inspect all WORKS performed hereunder and to witness and to check all tests on CONTRACTOR Equipment. Notwithstanding the above, the presence of and the inspection by CLIENT Representative(s) shall not relieve CONTRACTOR from CONTRACTOR's obligations and duties and shall not prejudice CLIENT's rights under this CONTRACT.

CLIENT Representative(s) shall consult with CONTRACTOR Representatives in delivery of Goods or planning and co-ordinating the WORKS, and all instruction(s) given by CLIENT Representative(s) consistent with the provisions of this CONTRACT shall be deemed those of CLIENT and shall be complied with by CONTRACTOR.

END OF ARTICLE

ARTICLE 18 – CONTRACTOR’S CONTRACT ADMINISTRATOR AND REPRESENTATIVE

The following defined CONTRACTOR Contract Administrator and CONTRACTOR Representative shall be designated in **EXHIBIT I – SPECIAL PROVISIONS AND SCOPE OF WORKS**. Notice of any change shall be given by CONTRACTOR to CLIENT in writing.

18.1 CONTRACTOR Contract Administrator

CONTRACTOR Contract Administrator is the person who shall be responsible for and is duly authorised to represent CONTRACTOR at all times during the progress of the WORKS and to receive and to act on any request made by CLIENT in the performance of the WORKS pursuant to the terms of this CONTRACT.

CONTRACTOR Contract Administrator shall have full authority concerning the performance of the WORKS and shall have full authority to proceed with the WORKS and every part thereof in conformity with this CONTRACT. CLIENT shall be entitled to rely on all decisions and positions of the CONTRACTOR Contract Administrator as those of CONTRACTOR.

18.2 CONTRACTOR Representative(s)

CONTRACTOR Representative is the person employed by CONTRACTOR who will have supervisory authority over the WORKS and with whom CLIENT Representative(s) may plan and co-ordinate the performance of the WORKS. Notice concerning operations, which are transmitted to CONTRACTOR through its designated CONTRACTOR Representative(s) will be deemed, for the purpose of this CONTRACT, to have been sufficiently given.

END OF ARTICLE

ARTICLE 19 – LIENS AND CLAIMS

- 19.1 CONTRACTOR shall indemnify and hold CLIENT harmless from and shall keep CONTRACTOR Equipment, CLIENT Equipment, wells, and the WORKS free of all liens, claims, assessments, fines, and levies created, caused, or committed by CONTRACTOR or its Sub-contractors and all costs, damages, and expenses incidental thereto; including without limitation all court and arbitration costs, legal fees, and other reasonable expenses. CONTRACTOR shall notify CLIENT of such liens and/or claims.
- 19.2 CLIENT shall have the right to retain from any payment to be made under this CONTRACT an amount sufficient to offset such liens and/or claims which CONTRACTOR fails to discharge promptly until such lien and/or claim is proven to be invalid or is satisfied, discharged, or settled.
- 19.3 Should there be any liens and/or claims after all payments hereunder have been made, CONTRACTOR agrees to refund to CLIENT upon demand all moneys that CLIENT may be compelled to pay to discharge any such liens and/or claims in consequence of CONTRACTOR's default including all costs and legal and professional fees.
- 19.4 CONTRACTOR agrees that it shall furnish CLIENT, upon completion or earlier termination of this CONTRACT, full and complete statements that all of CONTRACTOR's employees, Sub-contractors and suppliers have been paid in full for works done or for equipment, materials and supplies furnished to the date of such statements in connection with the performance of WORKS. In the event of any dispute, CONTRACTOR shall post a bond or any form of security acceptable to CLIENT to secure or insure CLIENT against any such liens or claims.
- 19.5 At the completion of the WORKS hereunder, or upon expiry or earlier termination of this CONTRACT, CONTRACTOR shall submit to CLIENT a 'CONTRACT CLOSURE LETTER' and 'CONTRACT CLOSURE CERTIFICATE' as per format in the **EXHIBIT VI – INVOICING PROCEDURES AND ADMINISTRATION GUIDELINES** stating that all of CONTRACTOR's employees, Sub-contractors and suppliers have been paid in full, for WORKS done or for equipment, materials and supplies furnished to, and all debts, taxes, liens, privileges, claims, charges, and obligations arising out of the purchase or lease of equipment, materials, supplies, and labour for use in the WORKS hereunder to the date of such statements in connection with the performance of the WORKS have been fully and finally paid. In the event of any dispute, CONTRACTOR shall post a bond, or any other form of security acceptable to CLIENT, to secure or insure CLIENT against any such liens and/or claims.
- 19.6 Such affidavit shall ensure immunity to CLIENT from all liens and/or claims for which CLIENT might be or become liable. CONTRACTOR shall indemnify and hold CLIENT harmless from and against all claims, demands, damages, losses, costs, proceedings, charges, and expenses arising out of or incurred in connection with any claims or liens asserted by CONTRACTOR's Sub-contractors, suppliers, or any other liens and claims arising out of the performance of this CONTRACT by CONTRACTOR.

END OF ARTICLE

ARTICLE 20 – HEALTH, SAFETY AND ENVIRONMENT REQUIREMENT

20.1 LAWS AND REGULATIONS

- 20.1.1 CONTRACTOR shall comply with all laws, regulations, and requirements pertaining to **safety, health, fire, environmental protection, and security regulations**, which are applicable to the location where the WORKS are being carried out.
- 20.1.2 CONTRACTOR shall ensure its personnel employed for the WORKS comply at all times with the requirements as set forth by CLIENT in its HSE Manuals, Safety Manual, policies, procedures, any special instructions, and all requirements stipulated of CLIENT.
- 20.1.3 CONTRACTOR shall ensure that all services, materials, and CONTRACTOR's items used in the performance of the WORKS comply with the above laws, regulations, and requirements and otherwise meet generally accepted industry standards for occupational health, safety and environment.
- 20.1.4 Upon termination of the CONTRACT, CONTRACTOR shall within sixty (60) days deliver to CLIENT a satisfactory CONTRACT CLOSE-OUT REPORT in a format and meeting such technical content as specified by CLIENT.

20.2 SAFETY EQUIPMENT

CONTRACTOR shall, where applicable, provide at its own expense adequate first aid, fire-fighting, life saving, and other safety equipment of approved types and amount as may be specified in connection with this CONTRACT and shall maintain this equipment in a professional manner and, where appropriate, re-certify the said safety equipment as dictated by legal and industry standards.

CONTRACTOR shall keep up-to-date records of all said equipment, including equipment location plans.

CONTRACTOR shall ensure that all cargo and items of equipment located at Work Site and at CONTRACTOR's onshore base are stored in a proper and safe manner and that CONTRACTOR's equipment is in all respects fit and suitable to undertake any operations.

CONTRACTOR shall also, at its own expense, be responsible for providing its personnel with personal protective equipment as specified required by CLIENT.

20.3 SAFETY PROCEDURES AND MANUALS

CONTRACTOR shall have in place, prior to commencement of this CONTRACT, a written Safety Manual and Emergency Response Manual duly endorsed by CONTRACTOR's Management and Approved by CLIENT.

20.4 CERTIFICATION OF PERSONNEL

CONTRACTOR shall ensure that all machineries, equipment, and tools are operated by competent personnel who are fully trained and certified to carry out the task. The said personnel shall be authorised in writing by CONTRACTOR's Management or certified by a reputable training establishment acceptable to CLIENT.

20.5 **RIGHT TO STOP WORKS**

CLIENT Representative shall have the right, but not the obligation, to prohibit the commencement of the WORKS or to stop any part of the WORKS in progress if the equipment, personnel, or work conditions are considered to be unsafe or not in compliance with CLIENT's rules and regulations.

20.6 **WEATHER/SEA CONDITION**

CONTRACTOR may suspend any part of the WORKS under this CONTRACT at any time with CLIENT's prior approval because of dangerous weather or sea conditions or other reasons relating to safety. Similarly, if requested to do so by CLIENT in writing, CONTRACTOR shall immediately suspend all or a designated part of the WORKS as may be requested by CLIENT because of dangerous weather or sea conditions or other reasons relating to safety. In this event, CONTRACTOR shall take all reasonable measures to protect the Work Site, CLIENT and CONTRACTOR Equipment and their components.

20.7 In addition to all legal and specific requirements stated herein, CONTRACTOR GROUP who are engaged in the performance of the WORKS shall comply with, abide by and enforce at its sole expense any rules, regulations and standards on safety, drugs, and alcohol, fire protection, and security regulations as set forth by CLIENT in its safety manuals, policies and special instructions.

20.8 In addition to all legal and specific requirements stated herein and all Vietnamese legislative requirements, CONTRACTOR GROUP who are engaged in the performance of the WORKS shall comply with, abide by and enforce at its sole expense any rules, regulations, and standards on safety, fire protection, environmental protection and security regulations as set forth by CLIENT in its published safety manuals, policies and special instructions. Before commencing any WORKS, CLIENT requires that CONTRACTOR inspect the Work Site and the equipment involved to ensure that the WORKS will be performed under safe conditions acceptance to CLIENT. These inspections must be evidenced by "Work Permits" issued by CLIENT prior to initiating any such WORKS. CLIENT Representative or his designated representatives shall have the right to prohibit commencement of WORKS or stop any WORKS in progress if the equipment, personnel or WORKS conditions are considered to be unsafe or not to be in compliance with CLIENT rules and regulations.

20.9 CONTRACTOR shall prohibit the consumption and/or possession of alcoholic beverages or dangerous drug at the Work Site.

20.10 CONTRACTOR shall compile and maintain safety records, data pertaining to its WORKS with CLIENT. These records shall be updated and submitted to CLIENT Representative as and when required.

20.11 CONTRACTOR shall be wholly responsible for the safety and safe working practices of its employees, servants or agents, and all equipment, and shall be responsible for the training of its employees, servants or agents on safety and safe working practices. CONTRACTOR shall ensure that the personnel to be provided in the performance of the WORKS are adequately trained in safety precautions and safe working practices before they are involved in the WORKS and that they are competent to undertake their required

duties in a safe and efficient manner. CONTRACTOR shall be responsible for maintaining and enhancing manner. CONTRACTOR shall be responsible for maintaining and enhancing the safety awareness among its personnel and Sub-contractor's personnel, including arranging regular safety meetings and emergency drills, copies of minutes of CONTRACTOR safety meetings shall be submitted to CLIENT.

- 20.12 The employees, servants or agents of the CONTRACTOR when working offshore shall participate in periodic fire and boat drills, instructions in survival, lifesaving and fire fighting.
- 20.13 All personnel assigned to Work Site shall be provided with approved safety helmets, safety glasses, safety shoes and ear protections, by the CONTRACTOR. CONTRACTOR shall also provide to personnel assigned for special jobs with approved life lines, life jackets/life vests, breathing equipment, welding helmets, and all other protective equipment as necessitated by the scope of WORKS and good industrial safety practices.
- 20.14 CONTRACTOR shall allow CLIENT Representative and/or its designated third Party personnel access at any time to conduct audit on the CONTRACTOR Personnel, records and any other matters related to the safety aspect of the WORKS at the Work Site(s).

END OF ARTICLE

ARTICLE 21 – DEFAULT OF CONTRACTOR

- 21.1 The occurrence of any of the following events shall be deemed a default by CONTRACTOR under this CONTRACT:-
- (a) Any attempted transfer or assignment or Sub-contract by CONTRACTOR of its right or duties under this CONTRACT without the prior written consent of CLIENT; or
 - (b) The making by CONTRACTOR of an assignment for the benefits of creditors, the filing by or against CONTRACTOR of a petition in bankruptcy or for corporate reorganisation, or the appointment of a receiver or trustee for CONTRACTOR or the properties of CONTRACTOR; or
 - (c) The failure of CONTRACTOR to satisfy within thirty (30) days of its entry any final judgement upon which execution is possible or the attachment of any general liens against the real or personal property of CONTRACTOR and the continued existence thereof for more than thirty (30) days; or
 - (d) If the CONTRACTOR has in the opinion of CLIENT failed to comply with the CONTRACT or failed to perform the WORKS or part thereof or has failed to adhere to any of its duties and obligations; or
 - (e) The refusal or the inability or other failure of the CONTRACTOR to perform any part of the CONTRACT in a safe, efficient, professional, workmanlike, skilful, professional and careful manner in accordance with good industry practices or with the required promptness or diligence; or
 - (f) Fulfil its obligations relating to prevention of pollution and substantial pollution result therefrom.
- 21.2 CLIENT shall notify CONTRACTOR in writing of any default and require CONTRACTOR to immediately take appropriate correction action without however prejudicing any of CLIENT rights hereunder or in law or equity.
- 21.3 Notwithstanding the foregoing, in the event of default by CONTRACTOR, CLIENT shall, at CLIENT's sole discretion, enforce the Bank Guarantee and/or Performance Guarantee for completion of the WORKS.

END OF ARTICLE

ARTICLE 22 – PROVISION FOR SUSPENSION OF WORKS

- 22.1 CLIENT may, at any time, suspend all or any part of the remaining WORKS for any reason whatsoever by giving written notice to CONTRACTOR specifying the part of the WORKS to be suspended and the effective date of suspension. CONTRACTOR shall cease performance of said suspended part of WORKS on the effective date of suspension. CONTRACTOR shall continue to perform the unsuspended part of the WORKS. CONTRACTOR will be given sufficient time for orderly removal of personnel and items not required during suspension.
- 22.2 CONTRACTOR shall comply with CLIENT's instructions with respect to all activities in connection with any suspension of the WORKS or part thereof. Such compliance will be a factor in determining reasonableness of costs incurred. Compensation for suspension shall be limited to actual and reasonable out-of-pocket expenses. CONTRACTOR will not be compensated for expenses that resulted from suspension or cancellation of WORKS due to safety reasons.
- 22.3 Neither CLIENT nor CONTRACTOR shall be liable to the other for loss of anticipated profits sustained on account of any suspension of WORKS or part thereof.
- 22.4 CLIENT may, at any time, authorize resumption of all or any part of the suspended WORKS by giving notice to CONTRACTOR specifying the WORKS to be resumed and the effective date of withdrawal of suspension. The WORKS shall be resumed by CONTRACTOR immediately after receipt of such notice, where applicable.

END OF ARTICLE

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ARTICLE 23 – PROVISION FOR TERMINATION OF CONTRACT

23.1 CLIENT shall have the right at its option to terminate this CONTRACT or any part thereof pursuant to the following provisions.

23.2 Termination Without Cause

- a) Notwithstanding any other provisions to the contrary herein, and in addition to CLIENT's right either to stop the WORKS or to suspend CONTRACTOR from all or any part of WORKS pursuant to **ARTICLE 22 – "PROVISION OF SUSPENSION OF WORKS"**, CLIENT may at any time terminate without cause WORKS in whole or in part by giving written notice to CONTRACTOR that CLIENT intends to terminate WORKS, specifying the WORKS to be terminated, and the effective date of termination.
- b) Should CLIENT terminate this CONTRACT or all WORKS without cause, CONTRACTOR shall stop performance of all WORKS or the terminated portion of the WORKS on the effective date of termination.
- c) In the event CLIENT terminates any part of the WORKS without cause, CONTRACTOR shall stop performance of the said portion of the terminated WORKS on the effective date of termination.
- d) Upon receipt and verification of CONTRACTOR's invoice, CLIENT shall pay CONTRACTOR all amounts properly due for the work performed prior to the date of termination and all expenses resulting directly from the termination as Approved by CLIENT.

23.3 Termination For Cause

- a) Subject to provision provided under **ARTICLE 21 – "DEFAULT OF CONTRACTOR"** hereof, CLIENT shall have the right to terminate for cause all or part of the WORKS by giving a notice in writing, specifying the CONTRACT to be terminated, and the effective date of termination. In either event, CLIENT shall have available to it all rights and remedies proved in law or equity.
- b) On the date on which the termination for cause given pursuant to provision of **ARTICLE 21 – "DEFAULT OF CONTRACTOR"** becomes effective, CONTRACTOR shall stop performance of the CONTRACT. CLIENT shall, retain all amounts which are then due and payable to CONTRACTOR plus reimbursements due to CONTRACTOR for its reasonable and auditable costs incurred in the performance of the WORKS to the extent such WORKS are authorised in advance by CLIENT.
 - (i) If the cost to CLIENT for completing the WORKS is less than the unearned balance of the CONTRACT Price, CLIENT shall pay the retained amount to CONTRACTOR. The unearned balance in this context is calculated by deducting all the paid invoices and retained amount from the CONTRACT Price.
 - (ii) If the cost to CLIENT for completing the WORKS are greater than the unearned balance of the CONTRACT Price and is less than the retained amount, then CLIENT shall deduct the difference from the retained amount due to CONTRACTOR.

(iii) If such difference is greater than the retained amount due to CONTRACTOR, CONTRACTOR shall pay to CLIENT such difference less the Retained Amount due to the CONTRACTOR. Notwithstanding, CLIENT may recover the amount due, including any costs involved from the Bank Guarantee.

23.4 In addition to CLIENT's rights to terminate as may be provided herein, CLIENT shall be entitled to terminate this CONTRACT under the following provisions:

23.4.1 In the event of Force Majeure continuing for fourteen (14) days as specified in **ARTICLE 28 – “FORCE MAJEURE”** and there is no expectation of improvement of the situation, then CLIENT shall be entitled to terminate this CONTRACT forthwith.

23.4.2 If at any time during the performance of this CONTRACT, there is any attempted transfer or assignment by CONTRACTOR of its rights or duties under this CONTRACT without the prior written consent of CLIENT.

CLIENT shall be entitled to terminate this CONTRACT on giving notice of termination to CONTRACTOR, such termination shall be effective on the date specified in the notice.

23.5 If CLIENT terminates any part of the CONTRACT in accordance with the **ARTICLE** herein CONTRACTOR shall execute and deliver to CLIENT the documents required by CLIENT with respect to said part of the CONTRACT.

23.6 For the part of the WORKS terminated, the applicable provision of the CONTRACT shall continue in full force and effect as to all the WORKS performed prior to the effective date of termination. For the remainder of the WORKS, the CONTRACT shall remain in full force and effect.

23.7 If this CONTRACT or any portion of the WORKS is suspended or terminated and if CLIENT so requests, CONTRACTOR shall immediately make every reasonable effort to cancel existing Sub-contracts, purchase orders or other obligations entered into by CONTRACTOR with Sub-contractors, suppliers or others for the performance of the WORKS, upon terms satisfactory to CLIENT.

23.8 CLIENT may direct CONTRACTOR to execute and delivery to CLIENT all documents related to the CONTRACT as required by CLIENT and to take all steps necessary to full vest in CLIENT the rights and benefits of CONTRACTOR under existing Sub-contracts or other obligations with Sub-contractors, suppliers and others. In addition, CONTRACTOR shall do whatever is necessary to preserve and protect the WORKS already in progress, to protect materials, drawings, documents, equipment and supplies in transit or at the Work Site and to minimise all costs to CLIENT and CONTRACTOR resulting from such suspension or termination.

23.9 Except as provided above, in the event of termination hereunder, the Parties shall each be released and discharged from any claims by one against the other in connection with the terminated WORKS. Neither CLIENT nor CONTRACTOR shall be liable to the other for loss of anticipated profits sustained on account of such termination.

- 23.10 If in the performance of this CONTRACT, CONTRACTOR causes the CONTRACT to be terminated, or in the event of default by CONTRACTOR, CLIENT shall have the option to thereafter enforce the Bank Guarantee and/or Performance Guarantee for completion of the WORKS.

END OF ARTICLE

ARTICLE 24 – SUB-CONTRACTS AND ASSIGNMENT

- 24.1 CONTRACTOR shall not subcontract or assign the WORKS or any part thereof without CLIENT's prior written approval. Sub-contract documents and selection of Sub-contractor(s) related to the WORKS or any part thereof shall require the written approval of CLIENT prior to the award of each Sub-contract, such approval shall not be unreasonably withheld. CONTRACTOR shall guarantee that the assignee can meet its financial obligations under this CONTRACT
- 24.2 CLIENT shall have the right to disapprove, for reasonable cause, any Sub-contractor, supplier, vendor or source of supply selected by CONTRACTOR.
- 24.3 CONTRACTOR shall be fully responsible for any acts, defaults and omissions of any Sub-contractors and persons either directly or indirectly employed by Sub-contractor to the same extent as it is for the acts and omissions of persons directly or indirectly employed by CONTRACTOR.
- 24.4 CLIENT is entitled to assign all or some of its rights and obligations under this CONTRACT at any time and from time to time to any its Affiliates, to any of the Co-ventures and/or to any successor operator in the Area of Operations with the prior written consent of CONTRACTOR which shall not be unreasonably withheld. CLIENT shall guarantee that the assignee can meet its financial obligations under this CONTRACT.
- 24.5 CONTRACTOR shall ensure that all CLIENT's right under this CONTRACT including audit rights are incorporated in all CONTRACTOR's Sub-contracts hereunder.
- 24.6 Approvals granted pursuant to this **ARTICLE** shall not release or relieve CONTRACTOR of any of its obligations under the CONTRACT or create any contractual relationship between any Sub-contractor and CLIENT.

END OF ARTICLE

ARTICLE 25 – ACCESS AND AUDIT RIGHTS

- 25.1 CONTRACTOR shall maintain and shall cause its Sub-contractors, subsidiaries, and Affiliates to maintain true and correct records of all charges and accounts including gifts and entertainment expenses in connection with the WORKS and all transactions related thereto and shall retain all such records and accounts for a period of not less than thirty-six (36) months after the expiry of the CONTRACT or any extensions or any termination thereof.
- 25.2 From the effective date of this CONTRACT and within the time period mentioned above, CLIENT shall have the right, during regular scheduled business hours, to inspect and audit the drawings, plans, instructions, procedures, controls, records, including gifts and entertainment records, and accounts of CONTRACTOR, its Sub-contractors and Affiliates in connection with the performance of this CONTRACT, and are in compliance to the CONTRACT terms and conditions. CLIENT shall have the right to reproduce any such documents, which have been inspected.
- 25.3 CLIENT's claims for omissions, corrections, or errors in charges and credits for CLIENT's account and over-payments of amounts billed by CONTRACTOR and others noted above may be presented at any time during and after the CONTRACT period provided that such claims are made during the course of the CONTRACT and within thirty six (36) months after the expiry of the CONTRACT or any extensions or any termination thereof. CONTRACTOR shall make a written response to CLIENT concerning such claims within thirty (30) days of the date of such claims by CLIENT.
- 25.4 CONTRACTOR shall ensure that the provisions of this **ARTICLE** and **ARTICLE 24 – "SUB-CONTRACTS AND ASSIGNMENT"**, are included in all Sub-contracts it may enter into with its Sub-contractors and Affiliates who will supply any of the labour, equipment, materials, or services to be provided under this CONTRACT.

END OF ARTICLE

ARTICLE 26 – CHANGES

- 26.1 Changes to the WORKS and/or CONTRACTOR Equipment may be required during the performance of WORKS, or any extension of the CONTRACT, and should be handled expeditiously and effectively by the Parties hereto. Such changes may include, but are not limited to additions, deletions, substitutions, alterations, and modifications.
- 26.2 CLIENT shall have the right, at any time, to make any change but such change shall in no way affect the rights or obligations of the Parties hereto except as provided in a written Change Order. All provisions of the CONTRACT shall apply to all changes.
- 26.3 Except as provided in **ARTICLE 26.6** below, CONTRACTOR shall not proceed with any change prior to receipt of a Change Order, unless authorised in writing by CLIENT Contract Administrator.
- 26.4 Should CLIENT desire a change to the WORKS and/or CONTRACTOR Equipment, it shall advise CONTRACTOR of said request. CONTRACTOR shall, upon request from CLIENT Contract Administrator, provide CLIENT within fourteen (14) days a Change Order Proposal defining the terms and conditions of the Change Order Proposal. The terms and conditions shall include, but not be limited to price, method of payment, earliest commencement date, and any other information deemed necessary.
- 26.5 When and if CLIENT approves the Change Proposal, CLIENT will issue to CONTRACTOR a written Change Order in duplicate originals in the form shown in **EXHIBIT V – CHANGE ORDER PROPOSAL**. CONTRACTOR shall sign both duplicate originals of the Change Order to indicate its receipt, understanding and acceptance of it. After execution by CLIENT, one duplicate original will be returned to CONTRACTOR.
- 26.6 In cases of extreme urgency for which CONTRACTOR is unable to submit a firm proposal prior to commencement of WORKS on the necessary change, CLIENT may issue a "Preliminary Change Order" to authorise CONTRACTOR to proceed with the change on the basis of an approximate written estimate prepared by CONTRACTOR. As soon as possible thereafter, CONTRACTOR shall submit a Change Order Proposal giving a firm price for the change. If the firm price quoted in the Change Order Proposal is more than that quoted in the "Preliminary Change Order", CONTRACTOR shall furnish CLIENT with the reasons for the differences. Upon agreement of the Parties on the firm price, a Change Order shall be issued as outlined in **ARTICLE 26.5**.

END OF ARTICLE

ARTICLE 27 – LIQUIDATED DAMAGES

- 27.1 If CONTRACTOR fails to complete any portion of WORKS as per the Schedule of Work stipulated in **EXHIBIT I – SPECIAL PROVISIONS AND SCOPE OF WORKS**, then CLIENT shall apply liquidated damages in favour of CLIENT for such delay, in the absence of legal ground or justification, at a rate one percent (1%) per day of delay up to eight percent (8%) of the total estimated CONTRACT Price.
- 27.2 If CONTRACTOR fails to complete the WORKS on or before the scheduled completion date, CONTRACTOR shall be responsible for all costs related to such delay including weather downtime costs beyond the scheduled completion date in order to complete the WORKS.
- 27.3 The reason for such delay is other than:
- (i) Force Majeure; or
 - (ii) Any delay acceptable or reimbursable by the CLIENT to CONTRACTOR under the terms and conditions of this CONTRACT; or
 - (iii) The failure of the CLIENT to perform any of the CLIENT's obligations which directly or materially affect CONTRACTOR's performance schedule as acknowledged in writing by the CLIENT,
- 27.4 The amount due to CLIENT under this **ARTICLE** shall be fixed. Such amounts shall be deducted from payments otherwise due by CLIENT to CONTRACTOR as stated in **ARTICLE 7** entitled "**INVOICING AND PAYMENT**".
- 27.5 CONTRACTOR and CLIENT hereby agree that these amounts of liquidated damages are fair and reasonable because of the difficulty of ascertaining the exact amount of damages that CLIENT may sustain by reasons of such delay in completing the WORKS and shall be deemed to be in full and final settlement of any claims by CLIENT based on CONTRACTOR's delayed completion of WORKS as specified above.
- 27.6 Pursuant to **ARTICLE 4.2**, only CLIENT shall have the right to determine whether CONTRACTOR shall be subjected to "Liquidated Damages" upon assessing the severity and impact of CONTRACTOR failures to complete WORKS.
- 27.7 CLIENT shall have the right to deduct the liquidated damages amount from payments due to CONTRACTOR under this CONTRACT. The terms of this **ARTICLE 27.7** shall not be construed so as to prejudice, alter or limit CLIENT's other rights and remedies under this CONTRACT upon written notification by CLIENT to CONTRACTOR of its intent to withhold.

END OF ARTICLE

ARTICLE 28 – FORCE MAJEURE

- 28.1 Where any Force Majeure event renders impossible or hinders or delays the performance of any obligation (except for the obligation to make payments) or the exercise of any right under this CONTRACT then the failure or omission of CLIENT or CONTRACTOR to perform such obligation shall not be treated as failure or omission to comply with this CONTRACT.
- 28.2 Upon the occurrence of any Force Majeure event, the Party so affected in the discharge of its obligation shall promptly give written notice of such event to the other Party. The affected Party shall make every reasonable effort to remove or remedy the cause of such Force Majeure or mitigate its effect as quickly as may be possible. If such occurrence results in the suspension of all or part of the WORKS for a continuous period more than fourteen (14) days, the Parties shall meet and determine the appropriate measures to be taken. In the event the Parties do not agree, CLIENT have the right to terminate the forthwith in which case neither Party shall have any further obligation or liability hereunder.
- 28.3 The events falling within Force Majeure include acts of God or force of nature, landslide, lightning, earthquake, flood, fire, explosion, storm, tidal wave, shipwreck and perils to navigation (other than adverse sea or weather conditions), act of war (declared or undeclared) or public enemy, strike (excluding strikes, lockouts or other industrial disputes or action amongst employees of CONTRACTOR or its Sub-contractors) act or omission of sovereign states or those purporting to represent sovereign states, blockade, embargo, quarantine, public disorder, sabotage, accident or similar events beyond the control of the Parties or either of them.

However, the following occurrences shall not be considered as Force Majeure:

- (a) Late delivery of CONTRACTOR Equipment caused by an oversold condition of the market, inefficiencies, lack of funds or similar occurrences; or
- (b) Late performance by CONTRACTOR and/or a Sub-contractor caused by unavailability of equipment, supervisors or labour, inefficiencies, lack of funds or similar occurrences; or
- (c) Mechanical breakdown of any item of CONTRACTOR or its Sub-contractors equipment, plant or machinery; or
- (d) Delays due to ordinary storm or inclement weather; or
- (e) Non-performance by Sub-contractors.

unless the delay arises out of a Force Majeure occurrence and is beyond both CONTRACTOR's and the Sub-contractor's control and an alternate acceptable source of services, equipment, or material is unavailable. Additionally, Force Majeure shall not include financial distress of CONTRACTOR or any Sub-contractor.

- 28.4 Any delay or failure in performance by either Party hereto shall not give rise to any claims for damages or loss of anticipated profits if, and to the extent, such delay or failure is caused by Force Majeure.

END OF ARTICLE

ARTICLE 29 – CONFLICT OF INTEREST

- 29.1 CONTRACTOR shall exercise care and diligence to prevent any actions being taken or conditions from arising, which could result in a conflict with CLIENT's best interest. This obligation shall apply to the activities of the employees and agents of CONTRACTOR in their relations with CLIENT's employees and their families, and with suppliers, Sub-contractors, and third parties, arising from the CONTRACT or related to the performance of the WORKS.
- 29.2 CONTRACTOR's efforts shall include, but not be limited to, establishing precautions to prevent its employees, officers or agents from making, receiving, providing, or offering gifts, entertainment, payments, loans, or other considerations for the purpose of influencing individuals to commit acts contrary to CLIENT's best interest.

END OF ARTICLE

ARTICLE 30 – WAIVERS

- 30.1 The failure of CLIENT, at any time, or from time to time to enforce, or to require the strict adherence and performance of any of the terms and conditions of the CONTRACT, to exercise any option, right, or privilege hereunder, or to demand compliance as to any obligation or covenant, shall not constitute a waiver of any such terms and conditions and/or affect or impair such terms or conditions in any way, or the right, privilege, or option of CLIENT, or of the strict performance of CONTRACTOR thereof unless an express waiver is properly executed and evidenced in writing.
- 30.2 Waivers by CLIENT of any breach or non-observance by CONTRACTOR of any of the terms and conditions of this CONTRACT shall not constitute or be construed as a waiver of any succeeding breach or non-observance of the same or any other terms or conditions.

END OF ARTICLE

ARTICLE 31 – CONFIDENTIALITY

- 31.1 CONTRACTOR shall obtain written approval from CLIENT prior to making any publicity release, public statements or announcement regarding the CONTRACT and the performance of the WORKS or CONTRACTOR's activities related to its participation in the WORKS.
- 31.2 CONTRACTOR shall at all times hold confidential and shall not, without CLIENT's prior written approval, divulge to third parties or use in any way other than for accomplishing the WORKS or for purposes other than that specified in the CONTRACT, any technical information or any processes, process data or calculations or any drawings or designs showing the equipment, devices and machinery by which the processing is to be performed or carried out, disclosed, directly or indirectly, to CONTRACTOR by CLIENT or its Affiliates in regard to the WORKS or the results thereof.
- 31.3 Upon completion of the WORKS or upon receipt by CONTRACTOR of CLIENT's notification of termination of the WORKS or any part thereof as the case may be, CONTRACTOR shall return to CLIENT all documents, drawings, and data provided to CONTRACTOR by CLIENT.
- 31.4 CONTRACTOR shall ensure that the provisions of this **ARTICLE** are adhered to by its employees, its Sub-contractors, and Sub-contractor's employees and shall promptly notify CLIENT upon discovery of any instance where the requirements of this **ARTICLE** have not been complied with.
- 31.5 This **ARTICLE** shall continue in force notwithstanding the completion or earlier termination of this CONTRACT.
- 31.6 The provisions of this **ARTICLE** shall not apply:
- (a) insofar as any of the documents, drawings, and data referred to in the WORKS are part of public knowledge or literature at the date of their receipt by the CONTRACTOR as from such date;
 - (b) insofar as any of the documents, drawings, and data referred to in the WORKS become part of public knowledge or literature after the date of their receipt by the CONTRACTOR as from such subsequent date;
 - (c) insofar as any of the documents, drawings, and data are developed by the CONTRACTOR independently of the CONTRACT.
 - (d) insofar as any of the documents, drawings, and data lawfully becomes known or available to the CONTRACTOR from third party who are not under a similar agreement, directly or indirectly, with CLIENT hereto.
 - (e) where disclosure is required to be made in order to comply with the requirements of any law, rule or regulation of any governmental or regulatory body having jurisdiction over the WORKS or the CONTRACTOR , or of any relevant stock exchange.

END OF ARTICLE

ARTICLE 32 – ARBITRATION

- 32.1 Any dispute between the Parties as to the performance of this CONTRACT or the rights or liabilities of the Parties herein, or any matter arising out of the same or connected therewith, which cannot be settled amicably shall be settled by The Vietnam International Arbitration Centre at the Vietnam Chamber of Commerce and Industry (VIAC) in accordance with its Rules of Arbitration, before a board of three (3) arbitrators. Each of the Parties hereto shall be entitled to appoint one arbitrator and the two arbitrators shall agree on a third arbitrator. In the event agreement upon the third arbitrator cannot be reached, the third arbitrator shall be appointed by the VIAC's President. It is agreed, however, that no one who is an employee of either Party or who is in anyway financially interested in this CONTRACT shall be appointed to act as an arbitrator.
- 32.2 Such arbitration shall be held at Ho Chi Minh City, Socialist Republic of Vietnam. The award of the arbitrators shall be final and binding upon the Parties. The costs of the arbitration shall be borne by the Party whose contention was not upheld by the arbitration tribunals, unless otherwise provided in the arbitration award. The language of the Arbitration shall be in English language.
- 32.3 Notwithstanding the foregoing, the Parties may agree that any particular matter of disputes can most expeditiously be settled by an Expert. In that event, the Parties shall jointly prepare and sign a statement on the issue to be determined by the Expert before agreeing upon the identity of the Expert. The Parties shall then agree upon the identity of the Expert to determine the issue described in the said statement and the decision of the Expert on that issue shall be final and binding on the Parties without further arbitration on that issue. If the Parties cannot agree upon the identity of the Expert within fourteen (14) days after the date the last Party signs the aforesaid statement of the issue, then the dispute shall be referred to arbitration as indicated above.

END OF ARTICLE

ARTICLE 33 – COMPLIANCE WITH LAW

- 33.1 CONTRACTOR and its Sub-contractors shall be subject to all applicable laws in connection with the WORKS. If CONTRACTOR or its Sub-contractors perform any part of the WORKS in breach of the law, then CONTRACTOR shall bear any additional costs of the WORKS resulting from said violation and correction thereof. For the purpose of this **ARTICLE**, "law" includes any laws (national, state, municipal, local, or others) and any requirements, ordinances, rules, or regulations of any relevant authority or agency (national, state, municipal, local, or other).
- 33.2 CONTRACTOR shall not enter into negotiations with any relevant authority or agency to develop acceptance to exemption, composition, variation, or revision to law in connection with this CONTRACT without CLIENT's prior written approval.
- 33.3 CONTRACTOR shall be responsible for and shall bear all the costs of obtaining all necessary licences, permits, and authorisations required by law that must be obtained in CONTRACTOR'S name from the relevant governmental authorities for CONTRACTOR to do business in the country, or countries wherein any part of the WORKS is performed, and shall give all required notices.
- 33.4 CONTRACTOR shall, at CONTRACTOR's cost, defend, indemnify, and hold CLIENT and its Affiliates harmless from all forms of penalty which may be imposed on CLIENT and its Affiliates by reason of any alleged or violation of law by CONTRACTOR or its Sub-contractors and also from all claims, suits, or proceedings that may be brought against CLIENT and/or its Affiliates arising under, growing out of, or by reason of the WORKS with respect to such alleged or violation of law whether brought by employees of CONTRACTOR or its Sub-contractors or by third parties or by any relevant authority.
- 33.5 CONTRACTOR's obligations under this **ARTICLE** shall include, without limitation, obtaining all necessary or appropriate import and export licences and Customs clearances for materials, tools, vessel, parts and spares, and equipment for the WORKS and providing all documentation in support of such licenses and clearance.

END OF ARTICLE

ARTICLE 34 – GOVERNING LAW AND LANGUAGE

- 34.1 The validity and interpretation of this CONTRACT and the legal relations of the Parties to it shall be governed by the substantive laws of Vietnam, without having regards to its conflicts of laws provisions.
- 34.2 All documents produced by CONTRACTOR in the performance of this CONTRACT as well as all written communications between CLIENT and CONTRACTOR shall be written in the English language which is hereby designated the governing language of the CONTRACT. CONTRACTOR and CLIENT may use any language within their own organisations, except that all Sub-contracts and all written communications pertaining to them shall be in English.

END OF ARTICLE

ARTICLE 35 – PATENTS AND OTHER PROPRIETARY RIGHTS

35.1 COPYRIGHT

CONTRACTOR shall promptly give notice to CLIENT if CONTRACTOR has or acquires knowledge or any copyright under which a suit for infringement could reasonably be brought because of the use by CLIENT of any designs, processes, methods or WORKS product information incorporated or to be incorporated by CONTRACTOR in the performance of WORKS. Following notification to CLIENT, CONTRACTOR shall not incorporate into the WORKS these designs, processes, methods or WORKS product information without CLIENT's prior written approval.

Where designs, processes, methods and WORKS product information specified and used by CONTRACTOR in the accomplishment of WORKS infringe any copyright, CONTRACTOR shall indemnify, defend and hold CLIENT and their Affiliates harmless from and against any and all claims, demands or causes of action of whatever nature and shall further agree to pay all costs, including counsel and witness fees, court costs, awards, damages and any and all expenses incurred by or assessed against CLIENT resulting from such claims, demands or causes of action.

In case the said designs, processes, methods and WORKS product information or any part thereof is held by such a suit to constitute infringement and its use enjoined, CONTRACTOR shall at its own expense either procure for CLIENT the right to continue using the designs, processes, methods and WORKS product information or replace the designs, processes, methods and WORKS product information with non-infringing designs, processes, methods and WORKS product information or modify the designs, processes, methods and WORKS product information so as to remove the infringement. Where, however, an infringement of any copyright occurs as to design, process, method and WORKS product information expressly specified by CLIENT, CLIENT shall indemnify and save CONTRACTOR harmless from any loss on account of claims for copyrights infringement against CONTRACTOR provided that CONTRACTOR notifies CLIENT immediately upon receiving notice of infringement.

35.2 PATENTS

In the event CONTRACTOR files a patent application in which any of the technical information provided to CONTRACTOR by CLIENT or by any subsidiary or Affiliate is disclosed, CONTRACTOR agrees to provide CLIENT with a copy of such application. If such application includes technical information of CLIENT or its Affiliates which is proprietary, CONTRACTOR shall not permit the publication in any country of a patent based on such application without CLIENT's prior written approval.

35.3 TECHNICAL INFORMATION

Title to all drawings, specifications, requisitions, calculations, and other patent documents. Design concepts, technical information prepared by CONTRACTOR or its Sub-contractors solely for the CONTRACT or any invention development by CLIENT from information received shall be vested in CLIENT and may be used by or for CLIENT, for any purposes.

END OF ARTICLE

ARTICLE 36 – ENTIRE AGREEMENT

This CONTRACT constitutes the entire agreement between the Parties hereto and supersedes all prior negotiations, representations or agreements related to this CONTRACT, either written or oral, including CLIENT's bid document and CONTRACTOR's proposal(s) except to the extent they are expressly incorporated into this CONTRACT. No changes, alterations, or modifications to this CONTRACT shall be effective unless in writing, and executed by the authorised signatories of CLIENT and CONTRACTOR.

END OF ARTICLE

ARTICLE 37 – NON-EXCLUSIVE AGREEMENT

This CONTRACT is non-exclusive and CLIENT reserves the right, without having to give any reason whatsoever to engage other suppliers and/or contractors to supply and/or perform similar or identical WORKS. CONTRACTOR shall afford such other contractors adequate opportunity to carry out their contracts and shall accomplish the WORKS in co-operation with those contractors and with CLIENT.

END OF ARTICLE

ARTICLE 38 – INDEPENDENT CONTRACTOR

- 38.1 CONTRACTOR is an independent contractor and neither CONTRACTOR nor its employees, nor CONTRACTOR's Sub-contractors or their employees, are agents or employees of CLIENT. The entire performance, operation, management, and control of CONTRACTOR Equipment shall be under the exclusive control and command of CONTRACTOR. CONTRACTOR's primary purpose shall be to perform all acts necessary to execute the WORKS consistent with safety and good oilfield practice.
- 38.2 It shall be the sole exclusive duty of CONTRACTOR to determine at all times whether the WORKS can be safely continued or undertaken. It shall be CONTRACTOR's duty to inspect and ensure that all cargo and items of equipment located at the Work Site and at CONTRACTOR's onshore base are stored in a proper and safe manner and in all respects fit and suitable to undertake any contemplated operation under the then existing conditions.
- 38.3 The presence of, and the inspection and supervision by, CLIENT Representative(s) at the Work Site shall not relieve CONTRACTOR from CONTRACTOR's obligations and responsibilities.

END OF ARTICLE

ARTICLE 39 – SURVIVAL OF OBLIGATIONS

Notwithstanding anything to the contrary written in this CONTRACT, the liabilities, indemnity and obligations of CLIENT and CONTRACTOR under this CONTRACT arising prior to the termination or completion of this CONTRACT shall survive any termination, repudiation, cancellations or completion of this CONTRACT.

END OF ARTICLE

ARTICLE 40 – LIMITATION OF LIABILITY

Neither Party shall be responsible to the other for any indirect or remote losses of any kind including but not limited to loss of revenue or anticipated profits, loss of production, loss of business opportunity or business interruption, regardless of cause and even if caused by negligence or breach of contract resulting from the carrying out of the operations or the exercise of rights by the Parties under this CONTRACT.

END OF ARTICLE

ARTICLE 41 – NOTICES

- 41.1 All notices required herein shall be in writing and made to either Party and shall be deemed to have been properly given or made to the Party it is addressed to if the notices are sent to the respective Party at the address as indicated hereunder:

CLIENT:

**DOMESTIC PETROLEUM OPERATING BRANCH - PETROVIETNAM
EXPLORATION PRODUCTION CORPORATION LIMITED**

15th Floor Victory Tower
12 Tan Trao Street, Tan My Ward
Ho Chi Minh City, S.R Vietnam
Tel: (84-28) 3776 2222 Fax : (84-28) 3872 1079

ATTN : Director

Cc :

CONTRACTOR:

NAME : *To be specified by CONTRACTOR*
ADDRESS : “
TELEFAX : “
TELEPHONE : “
ATTENTION

- 41.2 The date of any notice shall be either the date it is first delivered received at the office of the addresser, or the date it is first received by the addressee, whichever is earlier.

Written notice or instruction shall be deemed to have been received:

- If delivered by hand - At time of delivery to either Party
- If sent by fax - At time of transmission
- If sent by registered mail - At time of receipt or recorded delivery.

- 41.3 If the time of such deemed receipt of notice is not during customary hours of business, notice shall be deemed to have been received at 10:00 A.M. on the first customary day of business thereafter.
- 41.4 Either Party may change the person or address to which notice shall be sent by giving the other Party written notice of such change.

END OF ARTICLE

ARTICLE 42 - TITLE

- 42.1 All materials, raw data, field logs, documents drawings and calculations covered by this CONTRACT in respect of the WORKS and each part thereof, and everything intended for incorporation therein, shall, as soon as they are delivered or appropriated to the WORKS be sole and unencumbered property of CLIENT.
- 42.2 The CLIENT Representative shall be entitled at all reasonable times to inspect the said raw data, field logs, documents, drawings, calculations and materials or parts thereof at all areas where the WORKS is being or has been performed to ensure that this **ARTICLE** has been observed and, if it has not been observed, to clearly mark or identify the equipment and materials at CONTRACTOR's cost.
- 42.3 CONTRACTOR hereby waives any liens or claims, which it might have at any time on or against any material raw data, field logs and documents, drawings and calculations, which is to be incorporated into the WORKS.

END OF ARTICLE

ARTICLE 43 - SEVERABILITY

In the event that a determination, binding upon CLIENT and CONTRACTOR, is made that one or more provisions of the CONTRACT are void, unenforceable or unlawful, all other provisions of the CONTRACT shall continue in force to the extent not affected thereby provided that as a result of such determination, either the rights and obligations of CLIENT and CONTRACTOR hereunder are not materially adversely affected or CLIENT and CONTRACTOR agree to maintain this CONTRACT in force together with such amendments as they deemed advisable.

END OF ARTICLE

SIGNATORIES

This CONTRACT shall inure to the benefit of and be binding upon the legal representatives, successors and assigns of the Parties hereto.

IN WITNESS WHEREOF, the Parties have caused this CONTRACT to be executed in duplicate originals in their respective corporate names by their respective officers, thereunder duly authorised, as of the date and year first above written.

CLIENT

**For and on behalf of
DOMESTIC PETROLEUM
OPERATING BRANCH -
PETROVIETNAM EXPLORATION
PRODUCTION CORPORATION
LIMITED**

CONTRACTOR

**For and on behalf of
(CONTRACTOR'S Name)**

_____	_____
Name :	Name :
Designation :	Designation :

EXHIBIT I

SCOPE OF WORK & TECHNICAL REQUIREMENTS

I. PURPOSE OF USING THE SERVICE:

- Battery System of Switchgear P5103 2 x 100% 24 VDC providing power for F&G, DCS System. To maintain safe power source for production output, Battery System only replaced during trunk stop.
- Battery Charger P5103 2 x 100% 24VDC is used to charge the battery system for the following systems: F&G, DCS system on the Dai Hung 01 platform. Emergency power system is black out. Battery charger P5103 2 x 100% 24VDC on the rigs production since 1984 by Woods group. Currently the equipment is old, aging, damaged can not buy replacement equipment. In order to ensure that the 24VDC battery system on Dai Hung 01 rigs works in an emergency situation and has replacement equipment in the maintenance and repair process, replace the new 24VDC battery charger with a new one. work with high reliability, widely used, easy to buy replacement supplies.

II. SCOPE OF WORK

- This section includes the work to be done (not limited to surveying, planning, equipment supply, dismantling, installing new Battery Charger for 2 x 100% 24 VDC (2xCharger, 2xDVR, DB1-2/ Load sharing and synchronous-Ability to program custom value settings) and Battery of 24 VDC system. In line with the current system on the DH-01 platform.
- The control cabinet and battery will be installed on the floating platform DH01. The installation of the cabinets, these controls must be suitable for use in tropical marine environments. Ambient Temperature: 15 deg C min. to 40 deg C max.
- Environment: Salt Laden (Salinity 350/00)
- Max. Relative Humidity 100%
- Wind: 26m/s (1 minute), 29m/s (3 sec gust)
- @ 10m above mean sea level

III. CHARACTERISTICS, BASIC TECHNICAL SPECIFICATIONS OF THE CURRENT SYSTEM

III.1- Battery Charger:

- Manufacturer: Woods Group Industrial Controls Ltd, Aberdeen. Scotland

- Equipt. Type: R5/24/420
- Serial No: R0877/84
- Input: 3 Phase; 440VAC +5%,-10%; 60Hz +-2%
- Output: 24 VDC normal
- Full load Current: 420A
- Current limit: 440 A
- Battery current limit: 100A
- Output voltage fload: 27.55 Vdc
- Boost: 33Vdc
- Low voltage 23.5Vdc
- High voltage: 31Vdc
- Temperature Ambient: -6 to 40 C degrees
- Dimension:
- Paintwork: AP46 epoxy enamel. Primer grey, finish sapphire blue semi gloss Ap46 BS4800 20 D45 External & internal.
- Protection: IP 32
- Gland plate on Top

III .2- Distribution Board:

- Distribution Board DB1, DB2

III .3- Battery:

- Nicd maintenance free battery 1.2V, 280AH; The nominal voltage is 1.2 V; Floating: 1.4-1.42V/Cell; Boost charge: max. 1.55V/Cell; Ambient Temp: -20°C to +40°C; 20 years service life time at +25°C, Discharge rate: Long discharge periods, which it can supply for a 5 hour discharge to 1.0V/cell after being fully charged;
- Quantity: 80 cells.
- Manufacturer: Saft Batteries.

III.3- Related document:

- Operation and Manternace Manual Equipment of 24 VDC.
- Drawings of the old Battery Charger system,...

IV. TECHNICAL REQUIREMENTS

Package service, not limited. The following specifications are part of the design, supply, installation of 2x100% 24VDC (2xCharger, 2xDVR, DB1-2/Load sharing and

synchronous-Ability to program custom value settings) Battery Charger/Battery on DH01:

1. Provide and replace the new 2 x 100% 24VDC (2xCharger, 2xDVR, DB1-2/ Load sharing and synchronous-Ability to program custom value settings) Battery Charger cabinet to ensure the specifications, in accordance with the current system and satisfy the following conditions:
 - Input Voltage: 440VAC, +5% to -10%; Phases: 3, 60Hz, +/-2%
 - Output Voltage Float: 29V, Boost: 31V (Ability to program custom value settings)
 - Low voltage: 23.5 Vdc (Ability to program custom value settings)
 - High voltage: 31.0 Vdc (Ability to program custom value settings)
 - Rated current output: 500A
 - Full load current: 500A
 - Maximum continuous output on float and boost DC voltage at maximum output: 500A
 - Ripple current less than 2%
 - Ripple voltage average at full load at 1% rms
 - Acoustic noise level (EN 50091)-(dBA)<75
 - Electromagnetic Compatibility (EMC) IEC 62040-2 Class C3
 - Operating Temperature (°C): 10 - 40 °C
 - Ventilation Forced Cooling
 - Rectification component: Thyristor 6 Pulse with Input isolation transformer
 - Maximum 4000x1000x2200mm Time to charge associated battery fully, after discharge to 1.1 volts/cell: 10hrs to 80-90% C2
 - Maximum variation of DC voltage between no load and full load: +/-3%
 - Fail alarm for battery charger
 - Fault monitoring: common fault, charge fail, Low voltage, high voltage, low electrolyte, main fail, earth fault
 - Fuse failure monitoring
 - Function monitoring: AC input, Float charge, Boost charge
 - Overload capacity in rectifiers: 110%
 - Floating charger from 75% to 125% Udc nominal (Ability to program custom value settings)

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- Highrate charger from 75% to 135% Udc nominal (Ability to program custom value settings)
- Permissible maximum temperature rise of transformer: 45 0C
- Permissible maximum temperature rise of rectifiers: 55 0C
- Type of fuses for protecting rectifier cells for: main fuse/breaker & fuses protecting rectifiers: Fast acting
- Protection: Thermal protection, High voltage DC shutdown, mains failure shutdown, Short circuit, Limited to 100% of rated current, internal DC fuse, Nonvolatile storage of system parameters and user setting, Soft start function from 0 to 100%, Surge suppression, Phase sequence protection relay interlock with the control circuit, ...
- Front-panel with LC display, mimic diagram and detailed LED indications.
- Microprocessor controlled system logic (Ability to program custom value settings)

Intelligent real time event recorder for 2500 events

Mimic flow diagram with LED indication Comprehensive 8-line LCD display

Keys for operation and direct menu access with password protection

Measurements Available on LCD

Input voltage, current, frequency and power Output voltage, current, frequency and power
Bypass voltage and frequency

- Voltmeter
- Amperemeter

DBDC cabinet

Voltmeter

Amperemeter

- Certificates of: CE or IEC: Applicable standard: IEC601461; EN61000; EN5011
- Protection: IP41
- Maximum Dimension: Maximum 2 x 2200H/1000D/2000W
- Material: Mild Steel Plate
- Cable entries on the Top
- Terminal to connect the cable input/output in cubicle
- The ventilation fan of battery room run before Boost situation

- Fire & Gas signal
 - The main contactor keeping the status during the power supply 440V transfer to Emergency supply or gainsay when the time for transfer lower than 4 second.
2. Supply Distribution Board DB1-DB2: Capable of parallel operation and backup power supply to each other.
- Distribution Board DB1: Maximum Dimention 2200H/1000D/500W
 - CB1 F&G Panel 125A, CB2 F&G Panel 125A, CB3 Inverter, 30 MCB-32A
 - Distribution Board DB2: Maximum Dimention 2200H/1000D/500W
 - CB1 F&G Panel 125A, CB2 F&G Panel 125A, CB3 Inverter, 30 MCB-32A
 - Protection: IP41, Material: Mild Steel Plate, Cable entries on the Top
 - Total Maximum Dimention 2200H/1000D/1000W
 - Original: EU/G7
3. Supply Battery Nicd maintenance free battery 1.2V, 280AH; The nominal voltage is 1.2 V; Floating: 1.4-1.42V/Cell; Boost charge: max. 1.55V/Cell; Ambient Temp:-20°C to +40°C; 20 years service life time at +25°C, Discharge rate: Long discharge periods, which it can supply for a 5 hour discharge to 1.0V/cell after being fully charged; Accessories for installation this batteries, Service of Manpower and Tools for installation, testing and commissioning on DH01.
- + Performing capacity discharge test and mantainance, check, analysis condition of Battery according to IEC 60623 & Saft manufacturer's standards.
 - + Installation new batteries, testing and commissioning, calibration and setting battery charger, battery mornitoring suitable with new batteries. Measuring technical parameter of battery and charger system at least 48 hours to assess the status of the battery and the charger and make sure the necessary recommendations to ensure long-term stability.
- Quantity: 10 Cells (UP1L 280 AH)
- Manufacturer: Saft Batteries
- Original: EU/G7
- Inverter 4-5KVA Qty: 2 Sets
4. New Battery Charger cabinet must be synchronized, in accordance with the current system, ensure the technical specifications, alarm signal characteristics, protection signal characteristics, ... meet the mechanical functions. Version of the old system.

5. The work performed must be appropriate in terms of design, cabinet structure should be designed/manufactured to suit the requirements on the DH01 platform.
6. The equipment used for the service should be reliable, safe and commonly used, easy to operate, maintain and replace in case of necessity.
7. Conduct production according to technical requirements.
8. Invite PVEP POC to conduct FAT at Vendor workshop before transporting equipment to PVEP POC warehouse.
9. Replace any cables if damaged. The new cables are Shipwiring cables, BLACK; Four core 600/1000V Continued; Type GSWB 658 Range (Braided); conductor standard tinned annealed copper BS6360; Ethylene Propylene Rubber EPR BS6899; Bedding Chlorosuphonated Polyethylene (CSP) BS6899; Armored Galvanized Steel Wire Braid (GSWB); Sheath Chlorosuphonated Polyethylene (CSP) BS6899 suitable with specifications of Charger & Distribution Board DB1-2.
10. After the dismantlement and installation, the inspection and testing shall be carried out in accordance with the operating procedures and parameters of the manufacturer, according to the process of inspection performed by the collector stated in the work process. Approved by PVEP POC in the presence of technical representative of PVEP POC.
11. Compile documentation (including documents including drawings, layout of control, diagram of connection system, operating document, specification of equipment, catalogs, replacement materials, test results, test run ...), minutes of acceptance and warranty according to regulations. Compile documentation (including documents including drawings, layout of control, diagram of connection system, operating document, specification of equipment, catalogs, replacement materials, test results, test run ...), minutes of acceptance and warranty according to regulations. Compile documentation (including documents including drawings, layout of control, diagram of connection system, operating document, specification of equipment, catalogs, replacement materials, test results, test run ...), minutes of acceptance and warranty according to regulations.

V. REQUIREMENTS FOR CONTRACTORS

V.1- Responsibilities of The Contractor

The contractor provides turnkey project including provide all materials, equipments and human resources to perform the following tasks:

- In the bidding dossier, the contractor shall have to supply the following requirements:

- Provide a list of quotations including materials and manpower.
- Provide the principle diagram, layout diagram of the new charger cabinet/DB1-2 in accordance with the old cabinet according to the attached glass.
- Specification of new battery charger.
- Provide a list of supplies, quantities, part number, specification of spare parts for 2 years of operation.
- Provide manufacturer's supporting letter of this project in the bidding document: Battery charger, Battery.
- Provide the procedure of installation, commissioning operation procedures to ensure the battery has the best working condition and energy storage in the bidding document.
- Manpower must have a certificate of ability to perform installation, commissioning, and maintenance issued by the battery manufacturer (SAFT) and battery charger manufacturer.
 - Supply tools and equipment for replace, install, testing, calibration, commissioning system on DH01. Discharge tool: monitoring ampere, voltage, temperature, external resistant cell, Provide spec of discharge tool in bidding document.
 - Upgrading the design of the new battery charger: principle diagram, wiring diagram, material list layout, test procedure, etc ... to ensure the technical parameters and suitable for the system. The current system and technical requirements after signing the contract.
 - Provide manpower and equipment to dismantle the old charger cabinet & battery, install new cabinet & battery connect the equipment to the new cabinet & battery by design.
 - The contractor has the responsibility to provide and plan for the implementation of all items not specifically mentioned in the Technical requirement but necessary for the safety, stable operation of the equipment, both devices, tools for calibration and maintenance purposes.
 - Compile construction records (including drawings, manual operation, replacement materials, test results, test run ...), test record and warranty as prescribed.
 - The Contractor shall make a list of the main replacement parts and spare parts of the system within 2 years.

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- The contractor must report to the Leader, PVEP POC representative on the progress of the day's work and the direction of work on the next day.
- Make a record of acceptance and completion of the service, list all substitutions, information from suppliers for all supplies, and all certificates, test results, etc.
- System training for engineers, operators, maintenance maintenance, service support, warranty, etc.

V.2- Capacity Requirements Company:

- The VENDOR have permit for trading in the field of supply materials, installation, maintenance and repair of the measurement system, instrument control system, electrical systems, UPS, Battery & Charger system.
- At least one similar project (Battery Charger/Battery) within last 5 years.

V.3- Human Resource Requirements:

- Providing technical equipment, measuring tools, ordinary repair, special tools related to work and personal belongings for employees to the truss.
- Providing highly qualified human resources with at least 05 years of experience in the installation and operation of similar systems.
- Manpower must have a certificate of ability to perform installation, commissioning, and maintainance issued by the battery manufacturer (SAFT) and battery charger manufacturer.
- Provide project manager's CV.

V.4- Safety Requirements:

- Comply with the regulations of the system ensuring labor safety, industrial hygiene and environmental safety at the work place of the contractor and in Dai Hung 01.
- The contractor must provide safety equipment for all his staff when carrying out the work.
- Personnel participating in the performance of the University-01 rig must attend the safety class before the truss.
- Human resource must be certified by Bosiet.
- Follow safety instructions of safety officers on DH-01 platform.
- Comply with the regulations of the DH-01 platform.
- Comply with the system of work permit system on the DH01 platform.
- Under the supervision of technical staff of PVEP POC and DH-01 platform.

VI. REQUIREMENTS FOR MANUFACTURERS, TIMING TIME FOR EQUIPMENTS

- All main materials: Battery Charger/Battery and accessories in the list of supplies of the above system must be genuine, new 100%, unused production in 2025-2026. Original: Eu/G7.
- The materials and equipment must have origin in accordance with the Technical Requirements.
- Delivery time: 8 weeks from the signing date but no later than May 10, 2026.
- Place of delivery: warehouse of PVEP POC Company in downstream port of PTSC-Vung Tau.
- Time to complete the service within 4-6 weeks, from the date of transportation equipment and staff of the contractor DH01.

VII. REQUIREMENTS FOR TECHNICAL DOCUMENTS AND CERTIFICATES

- Certificate of origin (CO) of the chamber of commerce export country for Charger, Battery (Original).
- Certificate of quality (CQ) of the manufacturer for Battery Charger, Battery (Original).
- Warrant certificate at least 12 months from the signing date of the acceptance record, handover system (original).
- Provides Instruction Manual, Operation & Maintenance Manual, system design drawings, Drawings, Spare Parts list (soft or hard copy).

VIII. RESPONSIBILITIES OF PVEP-POC

- Assign professional staff to supervise and assist in the replacement process.
- Provide sufficient technical documentation for replacement.
- Guiding the fire and explosion safety of the contractor's employees before performing the job.
- PVEP-POC will inform the contractor not less than 04 days about the time of commencement of work on the DH01 platform.

EXHIBIT II
EQUIPMENT, MATERIALS, SUPPLIES AND PERSONNEL
AND SERVICES TO BE PROVIDED BY CONTRACTOR

<<To be filled up by CONTRACTOR>>

Note:

BIDDER is kindly requested to provide all certificates of proposed equipment, GOODS, personnel.

EXHIBIT III

CONTRACT PRICE

THE FOLLOWING PRICES ARE INCLUSIVE OF ALL COSTS TO COMPLY WITH THE CONTRACT FORM, SCOPE OF WORKS, HSE REQUIREMENT, SPECIFICATIONS AND OTHER APPLICABLE PROCEDURES.

CLIENT shall compensate CONTRACTOR in accordance with the rates specified herein which are exclusive of Vietnamese Value Added Tax, which, if applicable, shall be borne by CLIENT, except for the CONTRACTOR's personnel income tax.

NOTE: The proposed CONTRACT PRICE shall indicate whether it is inclusive of Vietnamese taxes (VAT, CIT, etc.) or not. In the event that the quoted prices do not specify this, they shall be treated as inclusive of all taxes.

The CONTRACT PRICE with detailed breakdown

No.	Descriptions	Unit	Unit Price (USD)	Total (USD)
1	Supply of Material and Installation/Replacement Service of Battery Charger P5103 500A-24VDC/Dual	lot		

EXHIBIT IV

FORM OF BANK GUARANTEE

(Bank Letterhead)

FORM OF BANK GUARANTEE

To : **DOMESTIC PETROLEUM OPERATING BRANCH - PETROVIETNAM EXPLORATION PRODUCTION CORPORATION LIMITED**, a company organized and existing under the Laws of S.R Vietnam and having its registered address at 15th Floor, Victory Tower, No. 12 Tan Trao Street, Tan My Ward, Ho Chi Minh City, S.R. Vietnam, (hereinafter referred to as "CLIENT")

WHEREAS : (1) By an agreement for the

(hereinafter referred to as the "CONTRACT") between

(hereinafter called the "CONTRACTOR") of the one part and CLIENT of the other part, the CONTRACTOR agrees to perform the WORK in accordance with the CONTRACT.

(2) In response to the request made by CONTRACTOR, we (Name of Banker :) _____

(hereinafter called the "GUARANTOR") hereby irrevocably and unconditionally guarantee the sum of *ten percent (10%) of the CONTRACT Value* in favour of CLIENT being the amount of financial guarantee required for the above CONTRACT. The sum shall become payable by us immediately on first demand by CLIENT without proof or conditions notwithstanding any contestation or protest by the CONTRACTOR or any other third party.

(3) The GUARANTOR shall not be discharged or released from this Guarantee by any agreement made between the CONTRACTOR and CLIENT and/or any other CONTRACTOR with or without the consent of the GUARANTOR or by any alteration in the obligations undertaken by the CONTRACTOR or by any forbearance whether as to payment, time, performances or otherwise, or by any change in name or constitution of CLIENT or the CONTRACTOR.

- (4) This Guarantee is a continuing security and accordingly shall remain valid until sixty (60) days after the end of the duration of the CONTRACT and any extension thereto.
- (5) The GUARANTOR agrees that the Guarantee is given regardless of whether or not the sum outstanding occasioned by the loss, damages, costs, or expenses howsoever arising, incurred by CLIENT is recoverable by legal action or arbitration.
- (6) For the purpose of this GUARANTEE only, the GUARANTOR does hereby agree to be governed by the Laws of Vietnam. Any disputes relating to this GUARANTEE which cannot be settled amicably, to be resolved by a single arbitrator to be agreed by the CLIENT and GUARANTOR in accordance with the Vietnam International Arbitration Centre at the Vietnam Chamber of Commerce and Industry (VIAC)

IN WITNESS whereof this Guarantee has been duly executed by GUARANTOR the _____ day of _____ 20__ for and on behalf of (_____)

Name : (_____) (_____)

Designation : _____

Banker's Seal : _____

Address : _____

EXHIBIT V

CHANGE ORDER PROPOSAL

Changes to the WORKS, may be required during the performance of WORKS any extension of the CONTRACT and should be handled expeditiously and effectively by the Parties hereto. Such changes may include but not be limited to additions, deletions, substitutions, alterations and modifications.

CLIENT shall have the right, at any time, to make any change but such change shall in no way affect the rights or obligations of the Parties hereto except as provided in a written Change Order. Changes shall be carried out in accordance with the provisions of the CONTRACTOR.

Except as provided below, CONTRACTOR shall not proceed with any change prior to receipt of a Change Order, unless authorized in writing by the CLIENT's Contract Administrator.

The procedure for handling and issuing Change Order(s) shall be as follows:-

- V-1.0 Should CLIENT or CONTRACTOR desire any change, it shall advise CONTRACTOR or CLIENT respectively of said request. CONTRACTOR shall, upon request from CLIENT, provide CLIENT within three (3) days a CHANGE PROPOSAL in the form shown in **APPENDIX V-1** defining the terms and conditions of the CHANGE PROPOSAL. The terms and conditions shall include but not be limited to price, method of payment, earliest commencement date and any other information deemed necessary.
- V-2.0 When and if CLIENT approves the Change Proposal, CLIENT will issue to CONTRACTOR a written Change Order in duplicate originals as per **APPENDIX V-2**. All Change Order shall be numbered sequentially.
- V-3.0 CONTRACTOR shall sign and promptly return to CLIENT both duplicate originals of the Change Order to indicate its receipt, understanding and acceptance of it. After CLIENT execution, one duplicate original will be returned to CONTRACTOR.
- V-4.0 In cases of extreme urgency for which CONTRACTOR is unable to submit a firm proposal prior to commencement of work on the necessary change, CLIENT may issue a "Preliminary Change Order" to authorize CONTRACTOR to proceed with the change on the basis of an approximate written estimate prepared by CONTRACTOR. As soon as possible thereafter, CONTRACTOR shall submit a Change Proposal giving its firm price for the change. If the firm price quoted in the Change Proposal is more than that quoted in the "Preliminary Change Order", CONTRACTOR shall furnish CLIENT with the reasons for the differences. Upon agreement of the Parties on the firm price, a Change Order shall be issued as outlined in **EXHIBIT V**.

APPENDIX V-2
CHANGE ORDER FORM



CHANGE ORDER
CO No.

CONTRACT TITLE : _____ CONTRACT No. : _____ CONTRACTOR : _____ WORK LOCATION : _____ DEPARTMENT : _____	DATE : _____								
DESCRIPTION OF WORK/CHANGE : _____ REASONS FOR CHANGE : _____									
EFFECT ON CONTRACT PRICE : _____	EFFECTIVE DATE OF CHANGE : _____ SCHEDULE IMPACT: _____								
PAYMENT METHOD <input type="checkbox"/> ITEMISE SEPARATELY ON INVOICE FOR PAYMENT WHEN COMPLETE. <input type="checkbox"/> THE CHANGE IS PRICED ON <table style="display: inline-table; vertical-align: middle; margin-left: 20px;"> <tr> <td><input type="checkbox"/></td> <td>LUMP SUM BASIS</td> </tr> <tr> <td><input type="checkbox"/></td> <td>UNIT RATE BASIS PER _____ OF _____</td> </tr> <tr> <td><input type="checkbox"/></td> <td>DAY RATE BASIS AS STIPULATED IN CONTRACT</td> </tr> <tr> <td><input type="checkbox"/></td> <td>OTHERS (TO SPECIFY)</td> </tr> </table>		<input type="checkbox"/>	LUMP SUM BASIS	<input type="checkbox"/>	UNIT RATE BASIS PER _____ OF _____	<input type="checkbox"/>	DAY RATE BASIS AS STIPULATED IN CONTRACT	<input type="checkbox"/>	OTHERS (TO SPECIFY)
<input type="checkbox"/>	LUMP SUM BASIS								
<input type="checkbox"/>	UNIT RATE BASIS PER _____ OF _____								
<input type="checkbox"/>	DAY RATE BASIS AS STIPULATED IN CONTRACT								
<input type="checkbox"/>	OTHERS (TO SPECIFY)								
SUPPORTING DOCUMENTS : <table style="width: 100%; margin-top: 5px;"> <tr> <td><input type="checkbox"/> COST ESTIMATE</td> <td><input type="checkbox"/> OTHERS (SPECIFIC INSTRUCTIONS SUCH AS</td> </tr> <tr> <td><input type="checkbox"/> MILESTONE PAYMENT AND WORK SCHEDULES</td> <td>MANNING, EQUIPMENT, ETC.)</td> </tr> </table>		<input type="checkbox"/> COST ESTIMATE	<input type="checkbox"/> OTHERS (SPECIFIC INSTRUCTIONS SUCH AS	<input type="checkbox"/> MILESTONE PAYMENT AND WORK SCHEDULES	MANNING, EQUIPMENT, ETC.)				
<input type="checkbox"/> COST ESTIMATE	<input type="checkbox"/> OTHERS (SPECIFIC INSTRUCTIONS SUCH AS								
<input type="checkbox"/> MILESTONE PAYMENT AND WORK SCHEDULES	MANNING, EQUIPMENT, ETC.)								
For and on behalf of CLIENT _____ CLIENT's SIGNATURE NAME : _____ DATE : _____	For and on behalf of CONTRACTOR _____ CONTRACTOR's SIGNATURE NAME : _____ DATE : _____								

(* All detailed technical and commercial documents shall be attached herewith

EXHIBIT VI

INVOICING PROCEDURES AND ADMINISTRATION GUIDELINES

VI-1.0 INVOICING PROCEDURES

Pursuant to **ARTICLE 9 – "INVOICING AND PAYMENT"** of the CONTRACT, CONTRACTOR shall comply with the following instructions and guidelines when preparing and submitting invoice(s).

- VI-1.1 Invoices for WORKS performed shall be submitted in the invoicing format given in **APPENDIX VI-1** together with a copy of the Billing Statement per **APPENDIX VI-2** for every invoice submission. The statement shall reflect the total amount previously billed the current month billing and the total cumulative amount billed to date.
- VI-1.2 Invoices shall be submitted to the following address:
- VI-1.3 **CLIENT**
- 15th Floor, Victory Tower
12 Tan Trao Street, Tan My Ward,
Ho Chi Minh City, Vietnam
Attn: **Manager, Finance and Accounts**
- VI-1.4 Invoices shall be submitted as per rates in **EXHIBIT III – CONTRACT PRICE** in accordance with **ARTICLE 7** entitled "**INVOICING AND PAYMENT**" of the terms & conditions.
- VI-1.5 All invoices shall be prepared on CONTRACTOR's letterhead. The letterhead shall include the name of the company, current address, telephone and facsimile numbers.
- VI-1.6 All invoices must indicate the following information but not limited to CONTRACT title and number, invoices number and date, location where WORKS are performed.
- VI-1.7 Debit Invoice and Credit Invoice shall be numbered differentially to distinguish between them.
- VI-1.8 No payment instruction which conflict with this CONTRACT shall be shown on the invoices. If any such conflict exists, the CONTRACT shall govern.
- VI-1.9 All invoices are to be submitted in two copies (one original and one duplicate copy) both complete with relevant supporting documents and properly stamped to distinguish between original and duplicate.
- VI-1.10 All invoices must be verified and signed by CONTRACTOR Contract Administrator designated in **ARTICLE 18**.

- VI-1.11 When invoices have been found to be undelivered, the CONTRACTOR shall submit certified true copies of the invoices and supporting documents duly signed by the CONTRACTOR Contract Administrator designated in **ARTICLE 18**.
- VI-1.12 Billing shall be supported by verifiable milestone or time sheets (for monthly rate) approved by CLIENT Representatives. All other reimbursable cost is to be supported by appropriate cost summary sheets and verified by CLIENT's Representatives.

VI-2.0 WORK ORDER REQUEST

Work Order Request applicable for requesting additional Equipment/ Materials/ Services to be furnished pursuant to this CONTRACT but the rates have not been specified in **EXHIBIT III – CONTRACT PRICE**.

Any request for Equipment/ Materials/ Services under Work Order Request category shall within the scope of this CONTRACT and shall be made in writing using **WORK ORDER REQUEST FORM** shown in **APPENDIX VI-3**.

The RFW shall state the scope of each "Equipment/ Materials/ Services", Work Site, commencement date, applicable rates, reimbursable cost to CONTRACTOR by CLIENT and other details with respect to the RFW and should there be a conflict, the CONTRACT shall prevail.

VI-3.0 COMPLETION OF THE WORKS

Completion of WORKS shall be achieved when the operations described in **EXHIBIT I** has been completed and CONTRACTOR has been notified in writing by CLIENT.

VI-4.0 CONTRACT CLOSURE

CONTRACTOR shall submit to CLIENT a 'CONTRACT CLOSURE LETTER' and 'CONTRACT CLOSURE CERTIFICATE' as per format shown in **APPENDIX VI-5** and **APPENDIX VI-6**, respectively.

VI-5.0 CONTRACTOR PERFORMANCE EVALUATION

CLIENT shall continuously evaluate the performance of the CONTRACTOR pursuant to the specification stated in this CONTRACT throughout the term of CONTRACT duration.

APPENDIX VI-1

SPECIMEN FORM OF INVOICE

TO: **PVEP-POC**
15th Floor, Victory Tower, 12 Tan
Trao Street, Tan My Ward, Ho Chi
Minh City, S.R. Vietnam

CONTRACTOR
current address,
telephone and
facsimile numbers.

ATTN: Finance Manager

Contract Title:
Contract No.:

Invoice No.:
Invoice Date:

Brief description on type of invoice, location (well & rig), month and year and etc.

Description of charges itemized in accordance with the rates set forth in the CONTRACT.

Total amount of the invoice

CONTRACTOR's Bank
And Account Number as per

Verify and sign by

**APPENDIX VI-2
BILLING STATEMENT**

PVEP-POC

BILLING STATEMENT AS OF _____

CONTRACTOR : _____ **CONTRACT NO. :** _____

INVOICE NO.	INVOICE DATE	INVOICE AMOUNT	BRIEF DESCRIPTION OF THE INVOICE	CUMULATIVE AMOUNT	DATE SUBMIT TO CLIENT	AMOUNT PAID	DATE PAID	REMARKS

APPENDIX VI-3

WORK ORDER REQUEST

<p>CONTRACT TITLE : _____</p> <p>CONTRACT No. : _____</p> <p>CONTRACTOR : _____</p> <p>WORK LOCATION : _____</p> <p>WORK ORDER No. : _____</p>	<p>DATE : _____</p> <p>REVISE No. : _____</p>
<p>DESCRIPTION OF WORK :</p>	
<p>REFERENCE (DWGS/ SPECS/ DOCUMENTS/ MINUTES OF MEETING) :</p> <p><input type="checkbox"/> DRAWINGS _____</p> <p><input type="checkbox"/> SPECIFICATIONS _____</p> <p><input type="checkbox"/> OTHERS _____</p>	
<p>Please submit the WORK ORDER PROPOSAL by _____</p>	
<p>For and on behalf of CLIENT</p> <p>_____</p> <p>NAME : _____</p> <p>POSITION : _____</p> <p>DATE : _____</p>	<p>For and on behalf of CONTRACTOR</p> <p>_____</p> <p>NAME : _____</p> <p>POSITION : _____</p> <p>DATE : _____</p>

W
4

APPENDIX VI-4
WORK ORDER PROPOSAL

CONTRACT TITLE : _____ CONTRACT No. : _____ CONTRACTOR : _____ WORK LOCATION : _____ WORK ORDER No. : _____	DATE : _____ REVISE No. : _____														
DESCRIPTION OF WORK :															
REFERENCE (DWGS/ SPECS/ DOCUMENTS/ MINUTES OF MEETING) : DRAWINGS <input type="checkbox"/> SPECIFICATIONS <input type="checkbox"/> OTHERS <input type="checkbox"/>															
WORK DURATION : _____ IMPACT ON CONTRACT SCHEDULE : _____ TOTAL ESTIMATED COST : _____ <table style="float: right; margin-left: 20px;"> <tr> <td>EQUIPMENT COST</td><td>:</td><td>_____</td></tr> <tr> <td>PERSONNEL COST</td><td>:</td><td>_____</td></tr> <tr> <td>REIMBURSABLE</td><td>:</td><td>_____</td></tr> <tr> <td>OTHERS</td><td>:</td><td>_____</td></tr> </table>		EQUIPMENT COST	:	_____	PERSONNEL COST	:	_____	REIMBURSABLE	:	_____	OTHERS	:	_____		
EQUIPMENT COST	:	_____													
PERSONNEL COST	:	_____													
REIMBURSABLE	:	_____													
OTHERS	:	_____													
METHOD OF PAYMENT : <table style="width: 100%;"> <tr> <td><input type="checkbox"/></td> <td>LUMP SUM</td> <td><input type="checkbox"/></td> <td>UNIT RATE</td> </tr> <tr> <td><input type="checkbox"/></td> <td>REIMBURSABLE</td> <td><input type="checkbox"/></td> <td>TIME RATE</td> </tr> </table>	<input type="checkbox"/>	LUMP SUM	<input type="checkbox"/>	UNIT RATE	<input type="checkbox"/>	REIMBURSABLE	<input type="checkbox"/>	TIME RATE	<table style="width: 100%;"> <tr> <td>COST</td> <td><input type="checkbox"/></td> </tr> <tr> <td>SCHEDULE</td> <td><input type="checkbox"/></td> </tr> <tr> <td>OTHERS</td> <td><input type="checkbox"/></td> </tr> </table>	COST	<input type="checkbox"/>	SCHEDULE	<input type="checkbox"/>	OTHERS	<input type="checkbox"/>
<input type="checkbox"/>	LUMP SUM	<input type="checkbox"/>	UNIT RATE												
<input type="checkbox"/>	REIMBURSABLE	<input type="checkbox"/>	TIME RATE												
COST	<input type="checkbox"/>														
SCHEDULE	<input type="checkbox"/>														
OTHERS	<input type="checkbox"/>														
For and on behalf of CLIENT _____ NAME : _____ POSITION : _____ DATE : _____	For and on behalf of CONTRACTOR _____ NAME : _____ POSITION : _____ DATE : _____														

APPENDIX VI-5
CONTRACT CLOSURE LETTER

CONTRACTOR : _____

CONTRACT NO. : _____

CONTRACT TITLE : _____

Dear Sir,

For administrative purpose we wish to close and archive the account of this CONTRACT and therefore request you to sign in duplicate the attached Contract Closure Certificate. Upon signing, please return one (1) original copy to us for our record and retention.

The purpose of the certificate is to confirm the total sum of money that has been paid by CLIENT under the CONTRACT and to confirm that no further sums are payable by CLIENT. Please enter the appropriate figure in spaces provided in the attached Certificate.

Yours faithfully,
For and on behalf of CLIENT.

Signature

Name

Designation

Date

APPENDIX VI-6

CONTRACT CLOSURE CERTIFICATE

With reference to CONTRACT No. _____ dated _____ 20____,

between undersigned CONTRACTOR, _____
(Name of CONTRACTOR)

and _____
(Name of COMPANY)

for _____
(Title)

In consideration of VND/USD _____ as per final payment under the CONTRACT, the CONTRACTOR hereby unconditionally releases and forever discharges CLIENT and CLIENT premises and property from all claims, liens and obligations of every nature arising out of or in connections with performance of the CONTRACT and all amendments thereto.

The CONTRACT agrees to indemnify and hold CLIENT harmless from and against all cost, losses, damages, claims from any cause of action, judgments and expenses, including legal costs arising out of or in connections with claims against CLIENT which claims arise of the performance of the WORKS under the CONTRACT and which may be asserted by CONTRACTOR or any of its Sub-contractors or any of their representatives, officers, agents or employees.

The foregoing shall not relieve the CONTRACTOR of his obligations under the provision of the CONTRACT, which by their nature survive completion of the WORKS including, without limitation, warranties, guarantees and indemnities.

Executed this ____ day of _____ 20____.

For and on behalf of (Name of CONTRACTOR)

Signature

Name

EXHIBIT VII

HEALTH, SAFETY AND ENVIRONMENT REQUIREMENT

TABLE OF CONTENTS

<u>SECTION</u>	<u>TITLE</u>
VII-1.0	SAFETY POLICY & PROGRAM
VII-2.0	ACCIDENT REPORTING & INVESTIGATION
VII-3.0	ALCOHOL/DRUG POLICY
VII-4.0	PERMIT TO WORK SYSTEM
VII-5.0	SAFETY TRAINING & SUPERVISION
VII-6.0	PERSONNEL PROTECTIVE EQUIPMENT
VII-7.0	SAFETY DRILL
VII-8.0	SAFETY MEETING
VII-9.0	MEDICAL WELFARE
VII-10.0	TOOL & EQUIPMENT
VII-11.0	HOUSEKEEPING
VII-12.0	ENVIRONMENTAL PROTECTION
VII-13.0	LAND TRANSPORTATION
VII-14.0	OFFSHORE SAFETY PASSPORT
VII-15.0	TYPICAL HAZARDS
 <u>APPENDIX</u>	
VII-1	APPROVED PERSONNEL PROTECTIVE EQUIPMENT
VII-2	TRAINING/CERTIFICATION REQUIREMENTS
VII-3	APPROVED SAFETY TRAINING INSTITUTIONS
VII-4	MONTHLY SAFETY STATISTICS REPORT
VII-5	LIST OF TYPICAL HAZARDS

EXHIBIT VII

HEALTH, SAFETY AND ENVIRONMENT REQUIREMENT

This **EXHIBIT** provided a reference to requirements HSE Management System applicable to the **CONTRACT**. The list is by no means definitive and the **CLIENT** Safety Manual together with other policies, procedures and special instructions, shall also apply to this **CONTRACT**.

When this **EXHIBIT** and its **APPENDICES** refers to the **CONTRACTOR** and the **CONTRACTOR's** Personnel, this shall also be taken to refer to Sub-contractors of the **CONTRACTOR** and the Sub-contractor's Personnel.

VII-1.0 HSE POLICY & PROGRAM

CONTRACTOR shall have in place, prior to the commencement of this **CONTRACT**, a written policy on Safety, Health and Environment. This policy shall be of a standard comparable to **CLIENT's** policy and shall be actively supported and endorsed by **CONTRACTOR's** Management. A copy to be submitted to **CLIENT** prior to the commencement of the operation.

In addition, **CONTRACTOR** shall also have safety targets and objectives, paying particular attention to accident prevention, written action plans clearly indicating how safety objectives shall be achieved and a system to appraise risk and problem areas to ensure that the overall safety program is being carried out and complied with.

CONTRACTOR shall submit the Monthly Safety Statistics Report as per format shown in **APPENDIX VI-2**.

VII-2.0 ACCIDENT REPORTING & INVESTIGATION

VII-2.1 Accident is defined as any unintentional or unplanned event or condition which has or could have resulted in injury to a person, loss or damage to equipment, plant or property, or pollute to environment.

VII-2.2 **CLIENT** requires that all accidents, no matter how trivial, must be reported to the **CLIENT's** Representative(s). **CONTRACTOR** shall ensure that its employees are aware of this mandatory requirement.

CONTRACTOR shall be responsible to investigate, in a professional manner, all accidents that occur during the performance of the **WORKS**. The investigation report shall be made available to **CLIENT** when requested. **CONTRACTOR** shall also be responsible for assisting **CLIENT** in accident investigations, if so required.

VII-3.0 ALCOHOL/DRUG POLICY

VII-3.1 CONTRACTOR ensures that its employees, agents and Sub-contractors shall not perform any WORKS for CLIENT while under the influence of alcohol or any controlled substance. CONTRACTOR, its employees, agents, and Sub-contractors shall not misuse legitimate drugs or possess, use, distribute, or sell illicit or un-prescribed controlled substances or drugs on CLIENT business or premises. CONTRACTOR shall adopt and enforce WORKS rules and policies in order to assure compliance with these obligations.

VII-3.2 CLIENT reserves the right to conduct alcohol and/or drug tests on the CONTRACTOR employees, agents, or Sub-contractors while on premises owned or controlled by CLIENT's where reasonable cause exists.

CLIENT also reserves the right to conduct searches for possession of drugs and/or alcohol on the person, vehicles, and other property of CONTRACTOR, its employees, agents or Sub-contractors while on premises owned or controlled by CLIENT. Any person who refuses to cooperate with any such search shall be removed from the premises and not permitted to return.

VII-3.3 CONTRACTOR shall require its employees, agents and Sub-contractor to submit to medical evaluation or alcohol or drug testing where cause exists to suspect alcohol or drug use.

VII-3.4 CONTRACTOR warrants that any employee, agent or Sub-contractor who either: (1) refuses to participate in medical evaluation or alcohol or drug tests, or (2) tests positive for alcohol or a controlled substance, shall be removed from the premises and not be permitted to perform any WORKS for CLIENT.

VII-4.0 **PERMIT-TO-WORK SYSTEM**

All WORKS carried out by CONTRACTOR's Personnel must be in accordance with the CONTRACTOR "Permit-To-Work System".

VII-4.1 **Hot-Work**

All Hot-Work must be carried out in strict compliance accordance with the CONTRACTOR's "Permit-To-Work System" and attention must be given to the following:

VII-4.1.1 Only trained, competent personnel shall be engaged for any Hot-Work.

VII-4.1.2 The personnel carrying out the WORKS must have a copy of the authorized Hot-Work permit displayed at the Work Site(s) or Work Area. This permit shall clearly state the

nature of the WORKS to be carried out, safety precautions to be taken regarding fire equipment, personal protective equipment, etc., and necessary tests for the presence of combustible gases.

VII-4.1.3 The CONTRACTOR, in accordance with the "Permit-To-Work System" shall dedicate a trained fire-watcher to the personnel performing the WORKS. The duties of the fire-watcher are as follows (if applicable):

- 1) To ensure that the Work Site(s) or Work Area and adjacent areas are maintained in a safe condition (e.g., sparks are not falling onto unprotected area).
- 2) To warn the workers of any hazard developing in the Work Site(s) or Work Area.
- 3) To isolate the equipment in the event of an emergency.
- 4) To quickly extinguish any smouldering material which may develop into a fire.
- 5) To be able to establish contact with the Control Room if an emergency occurs.
- 6) To ensure that a minimum of one dry chemical fire extinguisher, one pressurized fire hose, and a fire blanket are available at the Work Site(s) or Work Area and be capable of using this equipment if required to do so.
- 7) To ensure that the Work Site(s) or Work Area is clear of all flammable and combustible material prior to commencement of WORKS.

VII-5.0 **SAFETY TRAINING & SUPERVISION**

Prior to the commencement of the WORKS, CONTRACTOR shall at its own expense ensure that its personnel have been given the necessary basic safety, fire-fighting, sea-survival, and job related training required by law and CLIENT as outlined in **APPENDIX VI-2**. Such training shall be carried out at training establishments approved by CLIENT as listed in **APPENDIX VI-3**. Certification of training shall be provided to CLIENT prior to the commencement of WORKS.

Upon request from CONTRACTOR, CLIENT may approve training provided by training establishments other than those specified in **APPENDIX VI-3** provided CONTRACTOR furnishes CLIENT a copy of the course/program syllabus and contacts for the establishment.

VII-6.0 **PERSONAL PROTECTIVE EQUIPMENT**

VII-6.1 CONTRACTOR shall at its own expense be responsible for providing its personnel with CLIENT approved Personal Protective Equipment suitable for the task being carried out.

VII-6.2 CONTRACTOR shall ensure that its personnel and/or other personnel assigned by the CONTRACTOR to the performance of the WORKS wear the following minimum Personal Protective Equipment when engaged in WORKS or when in an on-site area where such equipment is required:

- 1) Coveralls,
- 2) Safety footwear with steel toe cap and steel mid sole,
- 3) Safety helmet, and
- 4) Safety glasses.

VII-6.3 Other Personal Protective Equipment that is required, depending on the nature of the job to be carried out and the likely hazards encountered in certain WORKS environments, including:

- 1) Ear muff/plugs,
- 2) Gloves,
- 3) Face shield/Visor,
- 4) Respiratory protection, and
- 5) Fall protection.

VII-6.4 CONTRACTOR must ensure that the standard Personal Protection Equipment such as gloves, apron and respiratory protection equipment issued to its personnel complies with the recommendations contained in the manufacturer's "Material Safety Data Sheet" for the product.

NOTE: In some circumstances this may require the wearing of self-contained or air-line breathing apparatus and the CONTRACTOR must ensure that these employees are thoroughly familiar with all types of respiratory protection.

VII-6.5 A list of CLIENT Approved Personal Protective Equipment is contained in **APPENDIX VI-1**.

VII-7.0 **SAFETY DRILL**

- VII-7.1 The CONTRACTOR shall ensure that its personnel are thoroughly familiar with all site alarms, their muster station and, where applicable, the location of their lifeboat.
- VII-7.2 CONTRACTOR's Personnel should rapidly acquire a thorough knowledge of site escape routes including alternative routes if the primary route happens to be blocked.
- VII-7.3 The employees, servants or agents of the CONTRACTOR when working offshore or onshore shall participate in appropriate emergency drills and emergency response training (e.g., fire, muster and boat drills, instructions in survival, lifesaving, and firefighting).

VII-8.0 SAFETY MEETINGS

The CONTRACTOR's Personnel shall, from time to time, be requested to attend CLIENT safety meetings. Attendance at these meetings is mandatory and does not relieve the CONTRACTOR of the obligation to hold its own safety meetings as outlined in CONTRACTOR's safety policy.

VII-9.0 MEDICAL WELFARE

- VII-9.1 CONTRACTOR shall ensure that all its employees and Subcontractor's employees engaged in the WORKS are medically fit and healthy. Any medical disabilities, including such disabilities which CONTRACTOR may consider will not adversely influence the employee's ability to perform his role in the WORKS, shall be reported to CLIENT prior to the start of the WORKS. **CONTRACTOR, if requested by CLIENT, shall provide medical certificates for CONTRACTOR and Sub-contractor personnel.**
- VII-9.2 CONTRACTOR shall, at no cost to CLIENT, be responsible for the medical welfare of its own and Sub-contractor's employees and shall take care of arrangements for medical attendance, treatment or hospitalization if and when necessary and will arrange suitable insurance coverage for such contingencies. In cases of emergency, CLIENT may make or provide for, the necessary emergency arrangements, the costs of which shall be reimbursed to CLIENT by CONTRACTOR.

VII-10.0 TOOLS & EQUIPMENT

Equipment and tools shall only be operated by competent personnel.

CONTRACTOR shall ensure that all CONTRACTOR's machinery, equipment, facilities, and other items associated with or utilized in the WORKS are maintained in a safe, sound and proper condition, and comply with laws, regulations, and CLIENT requirement.

CONTRACTOR shall ensure that all tools and equipment and temporary facilities and other items used in the WORKS, whether purchased, rented or otherwise provided by CONTRACTOR are in a safe, sound and good condition and are capable of performing the function for which they are intended.

If any tool or item of equipment provided by CONTRACTOR is unsafe or incapable of doing the WORKS, CONTRACTOR shall repair and/or replace such defective tools and equipment used in the WORKS at CONTRACTOR's own expense.

VII-10.1 **DIESEL ENGINE DRIVEN PUMPS, COMPRESSORS, WELDING SET, ETC.**

VII-10.1.1 Diesel engine driven pumps, compressors, welding sets, and any other diesel engine driven equipment must be located in a safe area.

VII-10.1.2 Any such equipment must be well maintained and in good operational order and prior to use should be inspected by CLIENT Representative.

VII-10.1.3 If the equipment is to be used offshore, it shall be inspected prior to shipment to the offshore site.

VII-10.1.4 If such equipment is to be used in a hazardous area classified as a Zone 1 or 2 area, the equipment must comply fully with EEMUA 107 requirements (Recommendations For The Protection Of Diesel Engines Operating in Hazardous Areas). The said requirements were formerly contained in an Oil Companies Materials Association (OCMA) publication.

VII-10.2 **ELECTRICALLY POWERED PORTABLE TOOLS AND EQUIPMENT**

VII-10.2.1 Only trained and competent personnel shall use portable electrically powered tools and equipment.

VII-10.2.2 Electrically powered portable tools and equipment shall be 110 volts centre-tapped or 240 volt tools subject to the following conditions:

- 1) they shall be double insulated, and
- 2) the power source shall be equipped with an earth leakage circuit breaker/ ground fault interrupter (ELCB/GFI) with a trip sensitivity not exceeding ten milli-amps (10mA).

VII-10.2.3 A written procedure for checking and maintaining portable electrically powered hand tools and equipment shall be in place. Any defective electrical tool and equipment shall be immediately prohibited from further use until it has been satisfactorily repaired. Defective items which are no longer serviceable shall be removed from storage or use and scrapped. CONTRACTOR shall maintain accurate records regarding the maintenance and disposal of such equipment. The CONTRACTOR shall appoint a person(s) to be responsible for such maintenance.

VII-10.3 **HANDTOOLS**

VII-10.3.1 CONTRACTOR shall ensure that all tools supplied are in good condition and fit for their intended use.

VII-10.3.2 Damaged tools which are unfit for use must be removed from service immediately and if they cannot be repaired, they must be scrapped.

VII-10.3.3 CONTRACTOR's employees must be fully instructed regarding the use of the correct tool for a particular job, (e.g. The use of a cheater bar or piece of pipe to increase the length of a pipe wrench handle is totally unacceptable. A larger pipe wrench must be used).

VII-11.0 **HOUSEKEEPING**

VII-11.1 CONTRACTOR shall ensure that its personnel keep and maintain good housekeeping practices at the Work Site to eliminate all hazards or control hazardous conditions in order to avoid injury to workers throughout the duration of the WORKS. CONTRACTOR shall know what the hazards are and how to guard against the hazards, the kind of which shall include unsafe acts and unsafe conditions.

VII-11.2 In order to reduce the risk of fire, waste materials and garbage shall not be allowed to accumulate and as a minimum, must be disposed of on a daily basis and in an appropriate manner.

VII-11.3 In order to minimize site hazards (such as trips, slips, falls, etc.), access ways must be kept clear of electrical cables, wires, metal pipes, scaffold boards and other materials and equipment.

VII-11.4 All gaps such as that caused by the removal of gratings must be adequately roped off and the grating stored so that it does not become an "obstruction and trip hazard".

VII-12.0 **ENVIRONMENTAL PROTECTION**

- VII-12.1 CONTRACTOR shall pay due regard to the environment by acting to protect air, water, animal and plant life from adverse effects of CONTRACTOR's activities, and to minimize any adverse effects which may arise from such operations in accordance with government and CLIENT environmental policies.
- VII-12.2 CONTRACTOR shall adhere to existing national statutory regulations concerning discharges resulting from the performance of the WORKS.
- VII-12.3 CONTRACTOR and its Sub-contractors shall not, under any circumstances dump, throw or dispose of any refuse, oily wastes, toxic substance, debris or garbage into the sea. CONTRACTOR shall provide containers in which all refuse is to be placed and shall dispose of such refuse in accordance with existing laws and regulations.
- VII-12.4 CONTRACTOR shall ensure that its employees and its Subcontractors, and their employees are fully aware of the above and CONTRACTOR shall enforce such regulations to the satisfaction of CLIENT.

VII-13.0 **LAND TRANSPORTATION**

- VII-13.1 CONTRACTOR's Personnel travelling to and from onshore work site(s) shall use proper and safe means of transport.
- VII-13.2 Such transport shall comply with the Vietnamese traffic rules and regulations.
- VII-13.3 Transportation of the CONTRACTOR's personnel in open trucks is prohibited unless the truck is fitted with seats and certified to carry passengers. All speed limits must be adhered to.

VII-14.0 **TYPICAL HAZARDS**

- VII-14.1 CONTRACTOR is required to provide the tools and equipment as well as written procedure to ensure all hazards listed in **APPENDIX VI-3** are addressed.
- VII-14.2 CONTRACTOR is required to develop an action plan (or written procedure) for each mentioned hazard (where and as and when applicable) prior to commencing the WORKS.

END OF EXHIBIT

APPENDIX VII-1

PERSONAL PROTECTIVE EQUIPMENT

1.0 SAFETY SPECTACLES

<u>BRAND</u>	<u>MODEL NO.</u>	<u>STANDARD</u>
KING OR EQUIVALENT		ANSI Z78.1

2.0 SAFETY BOOTS

2.1 FOR GENERAL USE

<u>BRAND</u>	<u>MODEL NO.</u>	<u>STANDARD</u>
KRUSHERS OR EQUIVALENT		AS/NZS 2210.3: 2000 ASTM F2413-05 EN 345-1

2.2 FOR CHEMICAL USE

RUBBER BOOT - VIETNAM

3.0 COVERALL

FRABRIC 100% COTTON

4.0 HAND PROTECTION

4.1 IMPACT GLOVES

4.2 WOOL GLOVES WITH PLASTIC DOT

4.3 WELDER GLOVES

COW-HIDE, COLOR REUST, DELUXE, COTTON LINING

5.0 HEARING PROTECTION

5.1 EAR MUFFS MOUNTED ON SAFETY HELMETS

<u>BRAND</u>	<u>MODEL NO.</u>	<u>STANDARD</u>
PROTECTOR	CLASS 5	ANSI S3.19-1974/CSA

OR EQUIVALENT

Z94.2

5.2 EAR PLUGS

3M

EAR PLUGS 1110

OR EQUIVALENT

6.0 **HEAD PROTECTION**

BRAND

BULLARD

OR EQUIVALENT

MODEL NO.

CLASS E, TYPE I

STANDARD

ANSI/ISEA Z89.1-2009

7.0 **EYE/FACE PROTECTION**

7.1 **CHEMICAL SPLASH GOGGLES**

BRAND

CONDOR OR

EQUIVALENT

MODEL NO.

1VT70

STANDARD

7.2 **FACE SHIELD**

BRAND

MSA OR EQUIVALENT

MODEL NO.

488126

STANDARD

ANSI Z87

7.3 **WELDERS GOGGLES**

BRAND

GRAINGER OR

EQUIVALENT

MODEL NO.

PN 1UYF9

STANDARD

8.0 **OTHERS**

8.1 **SAFETY HARNESS/LIFEBELT**

BRAND

SALA OR EQUIVALENT

MODEL NO.

1107802

STANDARD

ANSI Z359.1

ANSI Z359.3

ANZI Z359.4

8.2 **DUST MASK (DISPENSABLE)**

VIETNAM

8.3 **RAIN WEAR**

VIETNAM

8.4 **WELDERS APRON**

ANSELL OR EQUIVALENT

8.5 **CHEMICAL - HANDLING APRON**

ANSELL OR EQUIVALENT

8.6 **WORK VEST**

STEARNS OR EQUIVALENT
(TYPE V)

I223

US COAT GUARD
APPROVED

APPENDIX VII-2

TRAINING/CERTIFICATION REQUIREMENTS

NO.	COURSE TITLES	ATTENDANCE GROUP	MIN. COURSE	VALIDITY
			DURATION	
1.	Supervisor Safety	All supervisory personnel supervising minimum of 8 employees	3 Days	-
2.	Rigging and Slings Safety	All personnel who are assigned rigging/sliding responsibility.	3 Days	-
3.	Scaffolding	a) All supervisory personnel who are required to supervise erecting and dismantling of scaffolding and inspect scaffolds	10 Days	-
		b) All personnel erecting or dismantling scaffolding.	10 Days	-
4.	Basic Safety, Sea Survival and Fire & Fighting Courses	All personnel who spend 5 or more nights offshore at any one Visit or exceeding more than 20 days cumulative per year.	5 Days	3 Years
5.	Crane Operator's Course	All personnel who are required to operate cranes.	3 Days	3 Years
6.	Forklift Driver's Course	All personnel who are required to operate forklift.	1 Day	3 Years
7	Gas Tester	The personnel shall appoint to carry out the job		
8	Medic	The personnel shall appoint to carry out the job		
9	Electrician	The personnel shall appoint to carry out the job		
10	Welders	The personnel shall appoint to carry out the job		
11	Radiation Protection Officer and Radiation Protection Supervisor	The personnel shall appoint to carry out the job		
12	Chemical Handling	The personnel shall appoint to carry out the job		
13	Anchor Handling	The personnel shall appoint to carry out the job		
14	Authority to Inspect	The personnel shall appoint to carry out the job		

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APPENDIX VII-3

APPROVED SAFETY TRAINING INSTITUTIONS

<u>Name of Institution</u>	<u>Courses</u>
1. Sri Bima Maritime Training Centre, Miri, Sarawak	o Sea Survival & Fire Training.
2. Terengganu Safety Training Centre (TSTC), Teluk Kalong Kemaman, Terengganu	o Safety & Sea Survival Fire Training HUET
3. Kerteh Fire Services East Coast Regional Office PETRONAS Kerteh, Terengganu	o Fire Training
4. Robert Gordon Institute of Technology (RGIT) Aberdeen, Scotland	o Sea Survival & Fire Training. HUET
5. Petroleum Training Assoc. North Sea (PETANS) Lowestoft, England	o Sea Survival & Safety HUET
6. Maritime Training Centre (MTC) Vlissingen, Holland	o Sea Survival & Safety o HUET
7. Rotterdam International Safety Centre (RISC), Holland	o Fire Training
8. Industrial Foundation For Accident Prevention Woodside Offshore Petroleum Perth, Australia	o Sea Survival, Fire o Training & Safety o HUET
9. Alert Disaster Control (Asia)	o Safety and Sea Singapore o Survival. Fire Training.
10. PetroVietnam Manpower Training College Vung Tau, Vietnam	o Safety and Sea Survival o Fire Training

11. PVD Training
Vung Tau, Vietnam

- o HUET
- o HUET
- o Safety and Sea Survival
- o Fire Training.

NOTE: In certain cases it may not be practical to send personnel to some of the above training establishments due to the logistical problem. However, a number of the above establishments can be contracted to train CONTRACTOR Personnel at the Work Site(s).

LIST OF APPROVED MEDICAL EXAMINERS

1. SOS International Centre
65 Nguyen Du, Dist 1, HCMC, Vietnam.
2. Columbia Saigon Clinic
08 Alexandre de Rhodes, Dist. 1, HCMC, Vietnam
3. VSP Medical Centre
Vietsovpetro Clinic
5 Area, Ward 7, Vung Tau City
4. Victoria Health Care
79 Dien Bien Phu, Dist. 1, HCMC, Vietnam

APPENDIX VII-4

MONTHLY SAFETY STATISTICS REPORT

**TO: DOMESTIC PETROLEUM OPERATING BRANCH - PETROVIETNAM
EXPLORATION PRODUCTION CORPORATION LIMITED**
15th Floor, Victory Tower, 12 Tan Trao Street, District 7, Ho Chi Minh City, S.R.
Vietnam

ATTN : OPERATION MANAGER

MONTH : _____ CONTRACT NO. _____
CONTRACTOR : _____ WORK AREA : _____

No.	Description	Units	Area
1	Total Man-hours worked (including CONTRACTOR man-hours)	hrs	
2	Days without LTI	day	
Lost Time Injury			
3	Fatality (FT)	case	
4	Permanent Total/Partial Disability (PTPD)	case	
5	Lost Workday Case (LWDC)	case	
Non-Lost Time Injury			
6	Restricted Workday Case (RWDC)	case	
7	Medical Treatment Case (MTC)	case	
8	First Aid Case (FAC)	case	
HSE indicators			
9	Lost Time Injury Frequency (LTIF) <i>=(total LTI cases) x 1,000,000 / (total man-hours)</i>	case per 1,000,000 man-hrs worked	
10	Total Recordable Injury Frequency (TRIF) <i>=(Total Recordable Injuries) x 1,000,000 / (total man-hrs)</i>	TRI per 1,000,000 man-hrs worked	
11	Days lost for LWDC	days	
12	Severity of LWDC <i>=(Total lost days for LWDC) / (total LWDC)</i>	days/case	
Non-Injurious incident			
13	Fire / Explosion incident	case	

14	Property Damage incident (PD)	case	
15	Hydrocarbon Release Incident	case	
16	Chemical spill incident	case	
17	Oil Spill to environment	case	
18	Occupational Illness (OI)	case	
19	Other Non-Injurious incident (See Definition below)	case	
HSE performance efforts			
20	Near-Miss Report	ea	
21	Safety observation reports	ea	
22	Emergency Drills/Exercises	ea	
23	Permit-To-Work	ea	
24	Audits and inspections	ea	
25	Safety meetings (including tool-box talks)	ea	
26	Job risk assessments (JSA, STING, TRA...)	ea	
Environmental report			
27	Hazardous waste	Kg	
28	Non-Hazardous waste	Kg	
29	Produced water discharge	m3	
Others			
30	Cost of incidents burdened by PVEP-POC	USD	
31	Shutdown (incident)	case	
32	Downtime due to HSE incident	hrs	

SIGNATURE : _____ DATE : _____

NAME : _____ DESIGNATION : _____

DEFINITION OF ACCIDENT TYPE

1. LOST TIME INJURY (LTI)

Any work related injury or illness which renders the injured person unable to perform his normal duties, on any day immediately following the day of the accident. It can be divided into four categories:

i) **Fatality**

Death due to work related injury or illness regardless of the time between injury or illness and death.

ii) **Permanent Total Disability**

A work related injury which incapacitates a person permanently and results in termination of employment.

iii) **Permanent Partial Disability**

A work related injury which results in the complete loss or permanent loss of use of any member or part of the body or any permanent impairment of functions of parts of the body, regardless of any pre-existing disability of the injured member or impaired body function.

iv) **Lost Workday Case**

A work related injury or illness other than a Permanent Partial Disability which renders the injured person temporarily unable to perform his normal duties, on any day immediately following the day of the accident.

2. NON LOST TIME INJURY (NLTI)

Any work related injury or illness other Lost Time Injury. It can further divide into three categories:

i) **Restricted Work Case**

A work related injury or illness which requires the person to be treated by doctor and is declared fit to return to do part of his normal work on restricted or light duties on the day immediately after following the accident/injury. (N/B. Restricted activity/light duties must be within the injured person's normal scope of work.)

ii) **Medical Treatment Case**

A work related injury or illness that involves neither lost workdays nor restricted workdays but which requires the injured to be treated by or under the specific orders of a physician or could be considered as being in the province of a physician.

iii) **First Aid Injury**

A work related injury or illness which requires minor treatment or subsequent observation of minor scratches, cuts, burns, splinters and so forth which do not ordinarily require medical care even though such treatment is provided by a physician or registered professional personnel, and the injured is able to resume his normal job function immediately after treatment.

3. **FIRE/EXPLOSION**

Any event involving fire/ explosion.

4. **PROPERTY LOSS/ DAMAGE**

Any accident which involves property damage/loss other than a fire or explosion.

5. **OIL SPILL**

Any accident involving spillage or release of oil and/or chemicals which cause pollution of air, water or ground.

6. **NEAR MISS**

Any event or condition which whilst not resulting in injury to person or loss or damage to equipment, plant or property, or pollution to the environment is recognized as having the potential to cause injury and/or property damage.

7. **STOP CARD (Safety Observation Card)**

Any Safe/Unsafe Act/Unsafe Condition that are reported on STOP Cards. Count each card as one effort

8. **OTHERS**

Any Incident/Accident is not above-mentioned

$$\text{LTI FREQUENCY RATE} = \frac{\text{No. of LTA} * 1,000,000}{\text{Man-hours Worked}}$$

$$\text{LTI SEVERITY RATE} = \frac{\text{No. of Days Lost} * 1,000,000}{\text{Man-hours Worked}}$$

APPENDIX VII-5

TYPICAL HSE HAZARD

HEALTH	SAFETY	ENVIRONMENT
<p>Hazardous Materials</p> <ul style="list-style-type: none"> • Sulphuric Acid • Caustic Soda • TENORM (Technologically Enhanced Naturally Occurring Radioactive Material) • Hydrogen Sulphide • Chlorine • Nitrogen • Solvent Fumes • Mercury <p>Asphyxiation</p> <ul style="list-style-type: none"> • Nitrogen • Oxygen Deficiency <p>Radiological</p> <ul style="list-style-type: none"> • Instrumentation • Inspection • TENORM (Technologically Enhanced Naturally Occurring Radioactive Material) <p>Lightning</p> <ul style="list-style-type: none"> • Lightning Strikes <p>Burns</p> <ul style="list-style-type: none"> • Hot & Cold Material Equipment 	<p>Fire and Explosion</p> <ul style="list-style-type: none"> • Flammability • Expansion • BLEVE (Boiling Liquid Expanding Vapour Explosion) • VCE (Vapour Cloud Explosion) <p>Flammable Properties</p> <ul style="list-style-type: none"> • Crude Oil • Hydrogen Gas • Hydrogen Sulphide • Hydrogen • Condensate <p>Ignition Sources</p> <ul style="list-style-type: none"> • Electrical • Stray Currents • Static • Lightning • Pyrophics • Smoking • Welding • Grinding/ Cutting <p>Fire Types</p> <ul style="list-style-type: none"> • Jet, Pool and Flash Fires • Lagging Fires • Smoke <p>Water</p> <ul style="list-style-type: none"> • Low Points • Draining • Hydrates • Emulsions/ Tank Layering • Dead Legs <p>Air</p> <ul style="list-style-type: none"> • Start-Up/ Shut-Down • Flare Systems 	<p>Airborne Emissions</p> <ul style="list-style-type: none"> • Vents (CO₂, CH₄) • Flares • Fugitives • General Exhaust <p>Underground Equipment Failure</p> <ul style="list-style-type: none"> • Corrosion soil • Erosion contamination <p>Jetty/ Ship Operation</p> <ul style="list-style-type: none"> • Hoses/ Boom <ul style="list-style-type: none"> • SBMs (Single Buoy Mooring) • Ballast Disposal • Spillages <p>Surface Water Run-offs</p> <ul style="list-style-type: none"> • Contamination of waterways <p>Process Effluents</p> <ul style="list-style-type: none"> • Recovered Oils/ Ballast • Produced water – barium, zinc, trace of radioactive materials • Condensate water from Slug Catchers • Surge Vessel Liquids • From Drains • Triethylene Glycol • Biocides (glutaraldehyde) • Magnesium Hydroxide

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HEALTH	SAFETY	ENVIRONMENT
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Tank Farm Hazards

- A. Floating Roofs (sinking drainage)
- B. Boil-Over
- C. Internal Explosions

Lifting

- 1. Cranes
 - Heavy lifts
 - i) Chains
 - ii) Ropes
- D. Slings

Machinery

- 1 Guards
- 2 Protection

Security

Electricity

- E. Electrocutation
- F. Overhead Lines
- G. HV systems/ arcing

Excavations

- H. Buried Facilities
- I. Collapses
- J. Gas Accumulation

Working at Height

- K. Scaffolding
- L. Ladders
- M. Fragile Roofs

Drilling Operations

- N. Blowout – Fire/ Explosion
- O. Shallow Gas Pockets/ Over Pressure
- P. Gas in Mud>Returns
- Q. Hydrogen Sulphide