



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

15th Floor, Victory Tower, 12 Tan Trao Str. Tan My Ward, Ho Chi Minh City
Tel: (84.28) 3776 2222 / Fax: (84.28) 3872 1079 - (84.28) 3872 1088

REQUEST FOR QUOTATION

No. PVEPOC-26-10047

Issue to:

<u>RFQ Date:</u>	<u>Closing Date:</u>	<u>Currency:</u>	
<u>Delivery Date:</u>	<u>Quotation Validity (Days):</u> 90	<u>Delivery Terms:</u>	Delivery at PVEP POC Base, PTSC
<u>Quotation Language:</u> English or Vietnamese	<u>Ship via:</u>	<u>Payment Terms:</u>	TT by in 45 days from invoice and supporting doc.

Shipping Instruction:

PTSC Port.
65A, 30/4 Street, Rach Dua Ward,
Ho Chi Minh, S.R Vietnam.

Reply to:

PVEP-POC Office
15th Floor - Victory Tower- 12 Tan Trao str, Tan My
Ho Chi Minh, Viet Nam

PVEP-POC hereby solicits a most competitive Quotation proposal from your esteem company in accordance with the following requirements

Scope of supply

Line	Item	Description	Order Unit	Quantity	PR #
1		Provision service of Overhaul Hick Ring Vacuum Pump No.2 on FPU DH01	SET	1	26-10055

Special Conditions:

- Bidders participating in bid must be independent legally and independent financial with investment owner, bid solicitor.
- Technical Requirements and Terms & Conditions are enclosed herewith

- Standard Terms & Conditions are specified in accordance with the attachment herein shall apply

- Your official Quotation Proposal shall be signed by duly authorized representative, stamped and reached to us not later than the Closing Date.

Signature:
Name:
Designation:
Date:



Nguyen Tuan Ninh

DIRECTOR

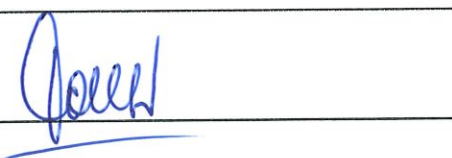
Verified by PPM:

Trinh, Phan Thi Tu



Verified by Request
Dept.:

Dong, Tang Van





PVEP POC'S GENERAL TERMS AND CONDITIONS FOR REQUEST FOR QUOTATION

ARTICLE 1 - PREAMBLE

- The SERVICE ORDER is issued by **Domestic Petroleum Operating Branch – PetroVietnam Exploration Production Corporation Limited** to SUPPLIER for the supply of SERVICES as specified herein and according to the Terms and Conditions of SERVICE ORDER.

ARTICLE 2 - DEFINITIONS

1. "AFFILIATES" means any CLIENT which controls, or is controlled by, or which is controlled by an entity, which controls, a Party. For the purposes of this definition, "control" means the ownership directly or indirectly of more than fifty (50%) percent of the voting rights in a CLIENT.
2. "CLIENT" means Domestic Petroleum Operating Branch – PetroVietnam Exploration Production Corporation Limited or any its divisions, AFFILIATES so named in the SERVICE ORDER.
3. "SERVICES" means all works, services and obligations to be performed, provided or otherwise fulfilled by SUPPLIER pursuant to and in accordance with the Terms and Conditions of the SERVICE ORDER, including without limitation the work and services described in the SERVICE ORDER, together with any operations carried out in connection therewith, and the physical result of the performance of such work, services and obligations.
4. "SERVICE ORDER" means the SERVICE ORDER form this document and any other documents listed herein and shall constitute the entire agreement between the Parties and the appendices as may be amended by any special conditions referred to in the SERVICE ORDER.
5. "SPECIFICATIONS" means the specifications of equipment, supplies and materials to be supplied by SUPPLIER together with the relevant data or other information relating to SERVICES, the specifications shall constitute an integral part of the SERVICE ORDER.
6. "SUPPLIER" means the person(s), firm, company or entities named in the SERVICE ORDER to supply SERVICES hereinafter defined and shall include the SUPPLIER's legal personal representatives, successors and assignees.

ARTICLE 3 - TIME OF THE ESSENCE

1. Time is of the essence with regard to SUPPLIER's performance under the Terms and Conditions of SERVICE ORDER. SUPPLIER shall begin performing SERVICES in accordance with the SERVICE ORDER and proceed diligently to complete SERVICES within the Terms and Conditions of SERVICE ORDER.
2. SUPPLIER (i) acknowledges and agrees that the Terms and Conditions of SERVICE ORDER is adequate for performance of the SERVICES, and (ii) understands that SUPPLIER's failure to complete the SERVICES within the Terms and Conditions of SERVICE ORDER will occasion loss and damage to CLIENT.
3. SUPPLIER shall give written notice to CLIENT of any anticipated delay. In case of actual or anticipated delay, CLIENT may terminate the SERVICE ORDER in manner as specified in the Article headed TERMINATION.
4. SUPPLIER shall be responsible for and bear all risks and relevant costs and damages and/ or loss caused to CLIENT arising out of or relating to SUPPLIER's breach of this Article.
5. SUPPLIER shall be responsible for any incremental installation cost and/ or transportation cost and/ or any other reasonable cost/ expenses resulting from late performance and/ or completion of SERVICES.

ARTICLE 4 - FORM OF SERVICE ORDER

1. CLIENT shall not be liable for any orders or amendments other than those issued or confirmed on CLIENT's official printed SERVICE ORDER and any amendment thereto.
2. CLIENT may make changes in the SPECIFICATIONS or drawings, including additions to or deletions from the quantities of SERVICES originally ordered. If any such changes affect the amount due and/or the time of performance hereunder, an equitable adjustment shall be made as mutually agreed by SUPPLIER and CLIENT, to the amount due and/or the time of performance, as the case may be by the issuance of CLIENT's Change Order.
3. Authorized Change Order requests made after placement of SERVICE ORDER shall be priced properly justified and immediately submitted to CLIENT for approval. CLIENT reserves the right to accept or reject any or all requests.

ARTICLE 5 - DEFECTIVE OR DEFICIENT OF SERVICES

1. If the performance of SERVICES is defective or deficient or SUPPLIER otherwise fails to perform SERVICES in accordance with the Terms and Condition of SERVICE ORDER (each such occurrence, a "Defect"), SUPPLIER shall, at its expense and within 48 hours' notice from CLIENT, correct any Defect and, to the extent incurred by CLIENT, pay or reimburse CLIENT for all labor and the actual delivered cost of all materials, equipment, and machinery required to correct the Defect. Any payments otherwise due to SUPPLIER shall be suspended until SUPPLIER corrects the Defect to CLIENT's satisfaction. If SUPPLIER fails to correct any Defect within 48 hours after receipt of written notice from CLIENT, CLIENT may, without prejudice to any other remedies CLIENT may have, (i) order SUPPLIER to stop performing any or all of the SERVICES, and/ or (ii) perform or reperform SERVICES, or engage a third party to do the same, with all costs incurred by CLIENT in connection with the performance or reperformance of SERVICES to be deducted from amounts otherwise payable to SUPPLIER. If amounts then or thereafter payable to SUPPLIER are insufficient to cover such costs, SUPPLIER shall pay the difference to CLIENT. If SERVICES are defective or deficient to the extent that it is not technically or economically feasible to correct such Defect, SUPPLIER shall be liable to CLIENT for all losses, damages, costs and expenses arising directly or indirectly from such Defect.
2. In case of SUPPLIER's failure under this Article shall be deemed a breach of the SERVICE ORDER and CLIENT reserves the right to terminate the SERVICE ORDER or refuse to accept SERVICES respectively.

ARTICLE 6 - EXPEDITING

1. CLIENT or its appointed third party shall have the right to visit SUPPLIER's mill and plant and those of Sub-SUPPLIER(s) for expediting purposes at any time prior to the commencement of SERVICES. SUPPLIER and its Sub-SUPPLIERS shall provide access to their works at all times to CLIENT or its appointed third party. SUPPLIER's Sub-orders must carry a note to this effect.
2. Expediting of the SERVICE ORDER and SUPPLIER's Sub-orders by CLIENT or its appointed third party does not relieve Sub-SUPPLIER(s) from their responsibilities to ensure that all Sub-orders are delivered to SUPPLIER's works or plant by the due date.

ARTICLE 7 - INSPECTION

1. CLIENT or its appointed third party shall have the right to inspect, witness tests and survey the quality of SERVICES at SUPPLIER's and its Sub-Suppliers' plants at any time during manufacturing of SERVICES. SUPPLIER is required to provide every facility for such right to CLIENT or its appointed third party. SUPPLIER's Sub-orders to its Sub-SUPPLIER(s) shall carry a note to this effect. SUPPLIER's failure to instruct Sub-SUPPLIER(s) of the right to CLIENT or its appointed third party to make plant visit for Quality Assurance purposes at any time prior to the commencement of SERVICES may result in rejection of SERVICES manufactured at Sub-SUPPLIER(s)' plants.
2. SUPPLIER shall include in all orders to Sub-SUPPLIER(s) those SPECIFICATIONS included with the SERVICE ORDER, which governs the manufacturing, or testing of SERVICES produced by each Sub-SUPPLIER(s). Such SPECIFICATIONS, data or other technical description shall be available for review by CLIENT or its appointed third party at the Sub-SUPPLIER's facility.
3. Should any inspected or tested SERVICES fail to conform to the SPECIFICATIONS, CLIENT may reject them and SUPPLIER shall either replace the rejected SERVICES or make all the alternations necessary to comply SPECIFICATIONS requirements free of cost to CLIENT.
4. CLIENT shall reserve right to inspect, test and, where necessary, reject SERVICES after the commencement of SERVICES and shall in no way be limited or waived by reason of SERVICES having previously been inspected, tested and passed by CLIENT or its appointed third party prior to the commencement of SERVICES.
5. Nothing in this Article shall in any way release SUPPLIER from any warranty or other obligations under the SERVICE ORDER.

ARTICLE 8 - SPECIFICATIONS CHANGES

1. CLIENT must be advised of all changes in the SPECIFICATIONS or method of construction of SERVICES supplied before such changes are implemented. In the event of CLIENT accepting the change, a written approval will be sent to SUPPLIER.

ARTICLE 9 - PAYMENT

1. SUPPLIER shall submit its invoice after SERVICES has been completed by SUPPLIER. Unless otherwise stated in the SERVICE ORDER, CLIENT shall subject to any dispute over the invoice make payment within forty five (45) days after receipt of SUPPLIER's undisputed invoice. If the forty fifth (45th) day falls on a Saturday or Sunday or a gazette S.R. Vietnam public holiday, the next working day shall be deemed to be the due date of payment.
2. 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.
3. In the event that CLIENT disputes any items on a particular invoice, CLIENT shall only be entitled to withhold from payment the actual amount in dispute. If CLIENT disputes any items on an invoice, CLIENT shall inform SUPPLIER of the disputed item within forty five (45) days of the receipt by CLIENT of that particular invoice.
4. CLIENT shall be entitled to withhold payment if any of SUPPLIER's invoices which do not include sufficient supporting documentation required by CLIENT.
5. SUPPLIER shall advise CLIENT on its account details and/or any changes to its account details if any by an at least 15 days in advance notice. Should SUPPLIER fail to give such notice in due time to CLIENT, SUPPLIER shall bear all risks associated with wrong/incorrect money transfer made by CLIENT.

ARTICLE 10 - TAXES AND DUTIES

1. SUPPLIER shall be responsible to pay all taxes, duties, assessments, royalties, fees or other charges levied by any government authorities of S.R. Vietnam or any other countries on account of or in relation to or in connection with the SERVICE ORDER and SUPPLIER shall indemnify and hold CLIENT harmless from and against any liabilities arising out of due to failure of SUPPLIER to fulfill this obligation.
2. CLIENT shall have the right to deduct sums from monies due to SUPPLIER hereunder for the aforesaid payment as required by law. Such withholding shall relieve CLIENT of further obligation with respect to any amount withheld.

ARTICLE 11 - SUSPENSION

1. CLIENT shall have the right to suspend the SERVICE ORDER for the following reasons: (i) Force Majeure as specified in the Article headed FORCE MAJEURE; (ii) in the event of any complete or partial stoppage of the relevant projects of CLIENT; (iii) failure on part of SUPPLIER to perform any obligation as per the SERVICE ORDER. Such suspension shall remain in force until such time that the above reasons are no longer applicable or otherwise when waived in writing by CLIENT.

ARTICLE 12 - TERMINATION

1. CLIENT may terminate the SERVICE ORDER at any time by giving written notice to SUPPLIER. Upon receipt of such notice, SUPPLIER shall cease supply of SERVICES and CLIENT shall pay SUPPLIER a fair price with proper supporting evidences for any SERVICES performed at the date when such notice is given. In case of such termination, SUPPLIER shall (i) use its best endeavors to effect the immediate cancellation of orders which it may have placed with others and discontinue all works of SERVICES, and (ii) upon CLIENT's request, deliver to CLIENT any or all the work, drawings, SPECIFICATIONS, data sheet and other matters that SUPPLIER may have prepared for the performance of SERVICES and all materials, supplies and equipment paid for by CLIENT either directly or in directly, and CLIENT shall have the right to make use of same for such purposes as CLIENT may desire, and (iii) not be entitled to any prospective profits or incidental, indirect, consequential or other damages because of termination.
2. In the event the CLIENT terminates the CLIENT ORDER in whole or in part in any of the following cases: (i) SUPPLIER's failure to meet the timing as specified in the Article headed TIME OF THE ESSENCE, (ii) SUPPLIER's failure to performance and/ or complete SERVICES as specified in the Article headed DEFFECTIVE OR DEFFICIENT OF SERVICES, SUPPLIER shall compensate CLIENT for all losses and/ or damages arising from such SUPPLIER's breach of SERVICE ORDER and shall pay to CLIENT the agreed and liquidated damages as stipulated Article headed LIQUIDATED DAMAGES. Payment for all compensation and agreed and liquidated damages shall be made to CLIENT within 10 (ten) days upon the CLIENT's first written request.

ARTICLE 13 - STANDARDS AND MATERIALS

1. SUPPLIER shall perform SERVICES in a thorough and workmanlike manner and to the satisfaction of CLIENT.
2. All workmanship, parts, materials, equipment and machinery furnished by SUPPLIER in connection with SERVICES must be of good quality, and new. SUPPLIER shall repair, or remove and replace, at SUPPLIER's own expense and at CLIENT's convenience, all workmanship, parts, materials, equipment or machinery that prove to be defective at any time within one year following satisfactory completion of SERVICES.

ARTICLE 14 - HEALTH, SAFETY AND ENVIRONMENT (HSE)

1. SUPPLIER shall be responsible for the HSE of all persons engaged in the performance of SERVICES and all persons who may be affected by activities of SUPPLIER and shall comply with all the HSE regulations and procedures.

ARTICLE 15 - WARRANTY

1. SUPPLIER represents, warrants and agrees that SERVICES performed by SUPPLIER shall be conducted and completed in conformity with all requirements of the Terms and Conditions of SERVICE ORDER and in a manner that complies with all the applicable laws, regulations, ordinances and codes.
2. CLIENT's inspecting, testing, witnessing tests, paying invoices or issuing any final acceptance shall not relieve SUPPLIER from its obligations set forth in this Article.

ARTICLE 16 - LIABILITIES AND INDEMNITIES

1. SUPPLIER shall be responsible for and shall protect, indemnify and save CLIENT harmless from and against any claims, demands and causes of action for damage to any property as well as death of and/or personnel injury to any person arising out of the act or omission to act, negligent or otherwise, of SUPPLIER, SUPPLIER's employees and SUPPLIER's agents in connection with the execution of the SERVICE ORDER.
2. SUPPLIER shall be liable for, indemnify and hold CLIENT (including CLIENT's officers, directors, employees or agents), harmless from all damages, claims, losses, expenses and/or reasonable attorneys fees including, but not limited to, suits or claims for damages for death, human bodily injury or other property resulting from any defects of SERVICES even if the quality of SERVICES conforms to the SPECIFICATIONS and has passed the inspection by CLIENT.

ARTICLE 17 - LIMITATION OF LIABILITY

1. Neither Party shall be liable to the other for any indirect or remote losses of any kind or for damages for loss of anticipated revenue or profits, nor any special, punitive, exemplary or consequential damages, including, but not limited to, loss of SERVICES, cost of capital, cost incurred in connection with labor, overhead, general administrative, transportation, substitute facilities, support sources or other similar damages.

ARTICLE 18 - INSURANCE

1. SUPPLIER shall procure and maintain, from an insurer acceptable to CLIENT, the insurance coverage described in this Article, as such coverage requirements may be modified by any additional or different coverage set forth in the SERVICE ORDER. Such insurance is to be primary with respect to any other similar insurance available to CLIENT, regardless of the provisions of such insurance, and is to name CLIENT and its AFFILIATES as additional insureds; provided, however, that any insured coverage, including, but not limited to, any additional insured coverage, will not include coverage to the extent that it constitutes a prohibited indemnity agreement under applicable law. All policies on which CLIENT and its AFFILIATES are additional insureds must include waivers of subrogation by the insurers in favor of CLIENT and its AFFILIATES. Prior to commencement of SERVICES, SUPPLIER shall furnish to CLIENT certificates and additional insured endorsements evidencing the specified insurance. If requested by CLIENT, SUPPLIER shall furnish to CLIENT certified copies of the insurance policies themselves. Such certificates must provide that at least 30 days' prior written notice of any policy cancellation or material change be given to CLIENT. Any losses, whether or not covered by the insurance described in this Article or within the deductible of such insurance, shall be the responsibility of SUPPLIER to the extent that such losses are covered by the provisions of Article headed LIABILITIES AND INDEMNITIES or any other provision of the Terms and Conditions of SERVICE ORDER.
2. SUPPLIER shall procure and maintain: (i) Workmen's Compensation Insurance covering personal injury to or death of the employees of the SUPPLIER engaged in the performance of SERVICES to the minimum value required by any applicable legislation including extended cover (where required) for working onshore and/ or offshore or such greater sum not less than one million US dollars (US\$1,000,000) per any one occurrence and unlimited in the aggregate; (ii) Public Liability Insurance for any incident or series of incidents covering the operations of SUPPLIER in the performance of SERVICES, in an amount not less than five million US dollars (US\$5,000,000) per any one occurrence and unlimited as to the number of claims in the period of insurance; (iii) any other insurance(s) which may be required CLIENT in the SERVICE ORDER or by law.

ARTICLE 19 - LIENS AND CLAIMS

1. SUPPLIER shall indemnify and hold CLIENT harmless from all liens, claims, assessments, fines and levies created, caused or committed by SUPPLIER or by its Sub-SUPPLIER(s) and all costs, damages and expenses incidental thereto, including without limitation all court and arbitration costs, attorney's fees and other reasonable expenses.

ARTICLE 20 - FORCE MAJEURE

1. Neither SUPPLIER nor CLIENT shall be liable to other Party for any breach of the Terms and Conditions of the SERVICE ORDER where such breach occurs as a result of a Force Majeure.
2. The events falling within Force Majeure include but are not limited to Acts of God or force of nature, landslide, lightning, earthquake, flood, fire, explosion, storm or storm warning tidal wave, shipwreck and perils to navigation, act of war (declared or undeclared) or public enemy, strike act (excluding strikes, lockouts or other industrial disputes or action solely amongst employees of SUPPLIER or its sub-SUPPLIER(s) or omission of sovereign states or those purporting to represent sovereign states, blockade, embargo, quarantine, public disorder, sabotage or similar events beyond the control of the Parties or either of them. Force Majeure shall exclude financial distress on the part of SUPPLIER or its sub-SUPPLIER(s).
3. Subject to the above, a Party claiming the benefit or protection of this Article, without delay, takes all reasonable steps to remove its inability to comply with the provisions of the SERVICE ORDER.

ARTICLE 21 - AMENDMENTS

1. CLIENT and SUPPLIER shall mutually agree in writing to any amendments to the SERVICE ORDER. In the event of any conflict or inconsistency between the Terms and Conditions of the SERVICE ORDER and the attachments to the SERVICE ORDER, the Terms and Conditions of SERVICE ORDER shall prevail.

ARTICLE 22 - ASSIGNMENT AND SUBCONTRACTING

1. CLIENT shall not be liable for any orders other than those issued or confirmed on the CLIENT's official written SERVICE ORDER or any amendment thereto. SUPPLIER shall not assign or subcontract any part of the SERVICE ORDER, without the prior written approval of CLIENT. Un-priced copies of any such orders should be supplied to CLIENT on request. SUPPLIER shall procure for CLIENT the right to enter the sub-contractor's premises for the purpose of expediting and inspection.

ARTICLE 23 - CONFIDENTIALITY

1. Any SERVICE ORDER placed by CLIENT shall be treated as confidential and in particular SUPPLIER shall not make use of CLIENT's name or the name of any companies associated with CLIENT for publicity purposes without the prior written consent of CLIENT. Furthermore, all designs, drawings, SPECIFICATIONS and information which may be supplied in connection with the SERVICE ORDER are confidential and must only be used for the purpose of the SERVICE ORDER.
2. No public statements, announcements or circulars regarding the SERVICE ORDER or the activities of the Parties relating thereto shall be made or issued by or on behalf of SUPPLIER without the prior written approval of CLIENT.

ARTICLE 24 - PATENT INDEMNITY

1. SUPPLIER shall indemnify CLIENT against any claim of infringement of patents, registered designs or other rights which arise as a result of the sale or use of SERVICES supplied by SUPPLIER. This indemnity shall not extend to instances in which SERVICES concerned have been supplied to CLIENT.
2. SUPPLIER is obliged to secure that the ownership rights to SERVICES are not disputed by a third party. In case there is any dispute by a third party, SUPPLIER shall take side with CLIENT in order to protect CLIENT's interests. If the third party is entitled to own part or the whole of SERVICES, CLIENT shall be entitled to cancel the SERVICE ORDER and SUPPLIER shall compensate CLIENT for all damage including, but not limited to the refund of SERVICE ORDER price, liquidated damage, legal cost, and attorney fees.

ARTICLE 25 - VENDOR DATA REQUIREMENTS AND SUBMITTAL

1. Drawings and vendor data are to be submitted in strict compliance with the SPECIFICATIONS. If for any reason, the transmission of drawings and vendor data shall be delayed, CLIENT is to be informed immediately in writing, giving reason in for such delay. All drawings and vendor data shall be delivered to CLIENT by hand or through courier service. All preliminary, intermediate and final drawings and vendor data to be furnished shall be subjected to expediting by CLIENT or its appointed SUPPLIER.

ARTICLE 26 - LIQUIDATED DAMAGES

1. Should SUPPLIER fail to (i) meet the timing as specified in the Article headed TIME OF THE ESSENCE and/ or (ii) performance and/ or complete SERVICES as specified in the Article headed DEFFECTIVE OR DEFFICIENT OF SERVICES, SUPPLIER shall have to pay CLIENT the agreed and liquidated damages at the rate of 2 % (two percent) of the SERVICE ORDER value per week of delay in performance or in replacement or repair up to maximum of 8% (eight percent) of the SERVICE ORDER value.
2. The rate of agreed and liquidated damages is not subject to any alteration by Arbitration or any third parties. The amount of agreed and liquidated damages may be deducted by CLIENT from SUPPLIER's Invoices while effecting the payment. Should CLIENT fail to deduct the sum of money of agreed and liquidated damages from the SUPPLIER's Invoice, SUPPLIER shall have to pay it immediately but not later than ten (10) days upon the CLIENT's first written request.

ARTICLE 27 - SPECIAL CONDITIONS

1. Where special conditions are set forth on the front of the SERVICE ORDER, those conditions shall apply equally with the general conditions shown above except that where there is any inconsistency between the general and special conditions the special conditions shall apply.

ARTICLE 28 - APPLICABLE LAW AND ARBITRATION

1. The SERVICE ORDER and all questions concerning its formation, validity, interpretations and performance shall be governed under the Laws of the S.R. Vietnam.
2. Any disputes arising out of or in connection with any SERVICE ORDER which could not be settled through negotiation between the two Parties shall be finally settled by the Vietnam International Arbitration Center (VIAC) besides Vietnam Chamber of Commerce and Industry (VCCI) under VIAC Arbitration Rules for final settlement. The place of Arbitration shall be in Ho Chi Minh City, Vietnam. The Arbitral Board shall be three (3) arbitrators and the language of Arbitration shall be English. The costs of Arbitration shall be borne by the lost Party. The award made in accordance with the provisions of this Article shall be final and binding upon two Parties.

ARTICLE 29 - LANGUAGE

1. All documents produced by SUPPLIER in the performance of the SERVICE ORDER as well as all written communications between CLIENT and SUPPLIER shall be written in the English language which is hereby designated the governing language of the SERVICE ORDER. SUPPLIER and CLIENT may use any language within their own organizations, except that all Sub-contracts and all written communications pertaining to them shall be in English.

ARTICLE 30 - ENTIRE AGREEMENT

1. The Terms and Conditions set out herein, together with any subsequent amendments made in accordance with Article headed FORM OF SERVICE ORDER and any and all designs, drawings, SPECIFICATIONS and information which may be supplied in relation to the SERVICE ORDER represent the entire Terms and Conditions of the SERVICE ORDER between CLIENT and SUPPLIER. Failure of either Party to enforce any of the Term and Conditions of the SERVICE ORDER shall not prevent a subsequent enforcement of such Terms and Conditions or be deemed to be a waiver of any subsequent breach. Should any provision of the SERVICE ORDER, or a portion thereof, be unenforceable or in conflict with governing country, state, province, or local laws, then the validity of the remaining provisions, and portions thereof, shall not be affected by such unenforceability or conflict, and the SERVICE ORDER shall be construed as if such provisions, or portion hereof, were not contained herein.
2. None of the provisions of the SERVICE ORDER shall be considered waived by CLIENT, except when waived explicitly in writing and notified to SUPPLIER. No such waiver shall be, or shall be construed to be, a waiver of any past or future default or breach, nor constitute a modification of any of the terms, provisions, conditions, or covenants of the SERVICE ORDER, except as expressly stated in such waiver.

**BID SUBMISSION FORMAT FOR
PROVISION OF SERVICE FOR OVERHAUL HICK RING VACUUM PUMP NO.2
ON FPU DH01**

RFQ No.: PVEPPOC- 26-10047

1. PROPOSAL FORMAT

1.1 BIDDER is to strictly adhere to the proposal format as set out below. **BIDDER must ensure that the "TECHICAL UNPRICED (TECHNICAL)" does not contain any pricing or cost. Failure to comply with these instructions may render BIDDER's proposal invalid.**

1.2 BIDDER is to submit the proposal in One (01) separate sealed package, with two (02) parts as follows:

- a) Technical Unpriced (Technical)
- b) Priced (Commercial)

1.3 **CONTENTS OF TECHNICAL UNPRICED (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 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> <ul style="list-style-type: none"> a. In case of independent BIDDER: <ul style="list-style-type: none"> Power of Attorney signed by the Representative at law of BIDDER authorizing the authorized person to sign the Proposal Letter; b. In case of Consortium: <ul style="list-style-type: none"> 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.
Section 2	<p>BIDDER'S ELIGIBILITY, EXPERIENCES & CAPACITY</p> <p>(not applicable for this RFQ)</p> <p>BIDDER shall provide the following documents proving BIDDER's eligibility, experiences, and capacity:</p>

SECTION	CONTENT
	(i) BIDDER's Organization (ii) BIDDER's Experience; (ii) Company Profile; BID BOND (not applicable) BIDDER shall provide the Original Bid Bond as Form attached here-with.
Section 3	TECHNICAL PROPOSAL BIDDER shall provide the following documents to prove the suitability (compliance) of WORKS/SERVICES: 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 Request for Quotation; 2. BIDDER is to submit the information as – EQUIPMENT, MATERIALS, SUPPLIES AND SERVICES TO BE PROVIDED BY CONTRACTOR (if any); 3. Curriculum Vitae (CV) of Proposed Manpower as set out in BIDDING FORMS (if any);
Section 4	BIDDER'S UNPRICED EXCEPTIONS AND ALTERNATIVES 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 RFQ" or 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." c. BIDDER shall present a complete and detailed listing of non-compliance to the RFQ 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.

1.4 CONTENTS OF PRICED (COMMERCIAL)

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

SECTION	CONTENT
Section 1	PROPOSAL LETTER As attached here-with.
Section 2	BIDDER is requested to submit the following with prices & schedule attached Request for Quotation No. PVEPPOC-26-10047
Section 3	BIDDER's PRICED EXCEPTIONS AND ALTERNATIVES. <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 RFQ" 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 RFQ 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>

2. SUBMISSION OF PROPOSAL

2.1 Technical Unpriced (Technical) and Priced (Commercial) shall consist of:

- a) **One (1) original and one (1) copy** of each part wrapped separately and clearly marked with the word "TECHNICAL UNPRICED" or "COMMERCIAL PRICED" on the cover of the respective wrapping and All put together in one (1) big package with title in item 2.7.
- b) **One (1) native copy** containing Technical Unpriced (Technical) and **one (1) native copy** containing Priced (Commercial) with label having BIDDER name, Tender title and number (if any). The native copy shall be wrapped and sealed separately and marked with the word "**UNPRICED PACKAGE**" or "**PRICED PACKAGE**" on the covers of the packages. The soft Proposal documents shall be in native file format (Microsoft Word® and Microsoft Excel®).
In the event of discrepancy between the original set and the copies, the original set shall prevail.

2.2 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) RFQ number and the title.
- (b) BIDDER's name and return address.
- (c) "TECHNICAL UNPRICED PACKAGE" or "PRICED PACKAGE".

(d) "PRIVATE AND CONFIDENTIAL"

- 2.3 All communications and correspondence with regard to RFQ and clarification shall be made to the following address:

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

15th Floor, Phu My Hung Petroleum Finance Trade Center

12 Tan Trao Street, Tan Phu Ward

Ho Chi Minh City, S.R Vietnam

Tel: (84-28) 3776 2222

Fax : (84-28) 3872 1088

Attention : **Procurement & Planning Deputy Manager In charge**

All communications with regard to bid clarifications shall be made in writing and must indicate the RFQ 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 respond to bid clarifications received later than the above-mentioned time.

For any further information, please contact email: thuyntt2@pvep.com.vn

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

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

15th Floor, Phu My Hung Petroleum Finance Trade Center

12 Tan Trao Street, Tan Phu Ward

Ho Chi Minh City, S.R Vietnam

Tel: (84-28) 3776 2222

Fax : (84-28) 3872 1088

Attention : **Procurement & Planning Deputy Manager In charge**

- 2.4 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 (if applicable).
- 2.5 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.
- 2.6 BIDDER must ensure that the proposal is delivered to the address given in Item 2.3 above no later than the **bid closing date specified on the website “muasamcong.mpi.gov.vn” for this RFQ, LATE BIDS WILL NOT BE ENTERTAINED.**
- 2.7 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"

**PROVISION OF SERVICE FOR OVERHAUL HICK RING VACUUM PUMP NO.2
ON FPU DH01**

RFQ No.: PVEPPOC- 26-10047

- 2.8 Bid Proposal as well as all correspondences and documents relating to the RFQ 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.
- 2.9 Proposal by BIDDER shall be binding for a minimum period of **90 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.
- 2.10 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.

3. ACCEPTANCE

- 3.1 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.
- 3.2 Award strategy: Single award. CLIENT reserves the right to award the CONTRACT at its own discretion.
- 3.3 CLIENT shall not be deemed to have accepted all or any part of a proposal unless and until a written acceptance is issued.
- 3.4 Any award as a result of this RFQ 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.
- 3.5 Bidder with any contract performance failure record with PVEP POC within 24 previous months from the date of issuance of this RFQ shall be excluded from the bidding of this RFQ. BIDDER participating in bid must be legally and financially independent with Investor and/or Procuring Entity. Failure to comply with such a requirement may be considered as disqualified.

4. PAYMENT

- 4.1 Payments shall be made in accordance to **Article headed as INVOICING AND PAYMENT** of Contract Form attached hereto.
- 4.2 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



PROPOSAL LETTER FORM

Letterhead of BIDDER

Date:

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

Attn: Director

Subject: RFQ for Provision of
RFQ No.: PVEP POC- XX-.....

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 GOODS/SERVICES and all necessary information as to risk contingencies and all circumstances influencing and affecting this Bid Document.

We offer to supply the GOODS/SERVICES as detailed in the Bid Package for the prices stated in our Proposal attached hereto. This offer is **valid until 90** 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 :

Address :

Printed Name :

Attn :

Position :

Telephone :

Company:

Telex :

Date :

Fax:

BID BOND FORM

(not applicable)

Letterhead OF BANK

BID BOND TO RFQ No. PVEP POC- XX-1.....

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 RFQ No. for the Provision of

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 RFQ with an amount of VND (*In words: Vietnam Dong*) [*as stipulated on website*] 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 RFQ documents⁽¹⁾.

This Bid Bond is valid for 120 days from the bid closing date. Any claim of CLIENT 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 RFQ documents".*

LICENSE FOR SALE OF THE MANUFACTURER FORM (if any)

Date: _____

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

Dear Sir,

Basing on the request by _____ [*name of the BIDDER*] (hereinafter referred to as "BIDDER") who participates in bidding for RFQ No. PVEP POC-XX-1..... for the Provision of

We _____ [*name of the MANUFACTURER*], incorporated on _____ [*specify the date of incorporation of the Manufacturer*], are producing _____ [*list of GOODS to be supplied*] and have registered address at _____ [*address of the MANUFACTURER*], hereby authorize BIDDER to use the products manufactured by us to offer in its RFQ.

We confirm that we will supply the all above GOODS to BIDDER for further supply to CLIENT and provide warranty for the GOODS under the Supply Contract signed between CLIENT and BIDDER.

Legal Representative of the MANUFACTURER

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

Notes:

- (1) *Manufacturer's Authorization is applicable only for GOODS which are specific, sophisticated, if necessary, CLIENT may request such Letter.*

(i) BIDDER'S EXCEPTIONS TO CONTRACT FORM

ARTICLE NO.	EXACT NEW WORDING PROPOSED BY BIDDER	REASON(S) FOR EXCEPTION	EFFECT ON DELIVERY

TECHNICAL REQUIREMENTS AND EVALUATION CRITERIA

I. TECHNICAL REQUIREMENTS

1. Thông tin tóm tắt:

1.1. Trên giàn Đại hùng 01 sử dụng 02 Hick Ring Vacuum Pump (L.R.P) No.1 & No.2 trong hệ thống xử lý nước biển trước khi bơm ép xuống vỉa, tên Vacuum Pump No.1 & No.2. (01 on duty, 01 standby).

Nhà sản xuất: BOC Edward Hick Hargreaves, England.

1.2. Các thông số kỹ thuật chính của Vacuum Pump.

Pump:

Maker: Hick Hargreaves – England.

Size: SHR2400.

S/n: 56025994.

Duty at suction pressure: 15.28 kg/h. EDA.from st.1 + output from st.2 &st.3 ejectors (=43.76 kg/h. EDA)

Suction Pressure: 34.4 torr (with water at 5 deg.C)

Discharge Pressure: Atmosphere, temp. 12.2 deg.C.

Service water: 2.75 m³/h., temp. 5 deg.C (part recirc).

Motor: 30 Kw. (23 Kw.abs.) @ 1740 rpm., Direc-coupled; 440V @ 3 phase@ 60Hz.

See dwg. LR112/070 (02 pag A3 - attached).

1.3. Tình trạng hiện tại: Bơm được lắp đặt sử dụng trên FPU DH01 từ năm 2007, các chi tiết bị ăn mòn tự nhiên, và cơ học (trong quá trình vận hành) đã vượt quá giới hạn, gây ồn và rung cao khi làm việc. Bơm đã được tháo vận chuyển về về CCDVSX Cty PVEP POC – Cảng PTSC Hạ lưu.

2. Mục đích DV:

2.1. Cung cấp DV: tháo bơm, kiểm tra tình trạng kỹ thuật từng chi tiết, đại tu, phục hồi khả năng làm việc của bơm (phạm vi công việc - scope of work- đính kèm) tại xưởng của nhà thầu. Bảo dưỡng Coupling set, kiểm tra Motor.

2.2. Lắp đặt chạy thử và nghiệm thu trên giàn Đại Hùng 01.

3. Phạm vi công việc: Xem bản Phạm vi công việc (02 trang) đính kèm.

3.1. Trách nhiệm của nhà thầu:

3.1.1. Vận chuyển toàn bộ các chi tiết của Bơm từ kho của PVEP POC về xưởng của nhà thầu.

3.1.2. Tiến hành tại xưởng của nhà thầu: Tháo, vệ sinh các chi tiết của cụm bơm, kiểm tra tình trạng kỹ thuật, có chứng kiến của bên mời thầu. Lập báo cáo (as found report), cùng bên mời thầu đưa ra kết luận: sửa chữa/phương án sửa chữa, để sử dụng lại hoặc thay mới.

3.1.3. Tiếp nhận phụ tùng thay thế từ PVEP POC, kiểm tra và lắp ráp lại cụm bơm, lập báo cáo các thông số lắp ráp (as build report). Trong trường hợp phụ tùng cần thay thế mà PVEP POC không cung cấp được (không có trong danh mục tồn kho), yêu cầu nhà thầu căn cứ vào

chi tiết cũ trong bơm, sử dụng vật liệu phù hợp, thiết kế gia công để thay thế. Bản vẽ thiết kế và Phương án gia công sẽ phải thông qua giám sát của bên mời thầu. Bản danh mục spare parts – 01 trang A4 (đính kèm).

3.1.4. Chuẩn bị các chi tiết của cụm bơm: bảo dưỡng Coupling, Motor, đóng gói, lập danh mục và vận chuyển đến kho của bên mời thầu, bàn giao. (Vận chuyển ra giàn ĐH-01 do bên mời thầu đảm nhiệm).

3.1.5. Lắp đặt, chạy thử nghiệm thu trên giàn ĐH-01. Thời gian chạy thử 06 giờ.

3.1.6. Bảo hành sau sửa chữa: 06 tháng tính từ thời điểm ký biên bản nghiệm thu đưa bơm vào sử dụng trên giàn DH01.

3.2. Trách nhiệm bên mời thầu (PVEP-POC).

3.2.1. Tham gia giám sát quá trình lập báo cáo sửa chữa (as found reports). Thống nhất phương án sửa chữa đối với từng chi tiết của toàn bộ thiết bị. Tham gia giám sát quá trình lắp ráp cụm bơm (as build report).

3.2.2. Cung cấp vật tư, phụ tùng thay thế.

3.2.3. Vận chuyển thiết bị từ giàn ĐH-01 về CCDV SX – Vũng tàu và ngược lại.

3.2.4. Cung cấp DV vận chuyển nhân lực của nhà thầu ra giàn và ngược lại.

3.2.5. Cung cấp chỗ ở, ăn uống trên giàn ĐH 01 cho nhân lực của nhà thầu thực hiện DV trên giàn ĐH-01.

3.2.6. Hỗ trợ nhà thầu trên giàn ĐH-01 thực hiện DV: đồ gá tháo bơm, dụng cụ cơ khí, thiết bị nâng hạ.

4. Thời gian thực hiện DV: 06 tuần tính từ thời điểm nhận đầy đủ vật tư do Cty PVEP POC cung cấp (05 tuần lắp ráp trên bờ, 01 tuần lắp đặt bơm trên biển).

5. Yêu cầu về năng lực của nhà thầu:

5.1. Có giấy phép kinh doanh phù hợp.

5.2. Có chứng chỉ ISO 9001 cho các hoạt động trong lĩnh vực cơ khí: sửa chữa thiết bị dầu khí, công nghiệp.

5.3. Có kinh nghiệm ít nhất 05 năm trong công tác sửa chữa phục hồi các loại bơm, thiết bị phụ tùng cho các thiết bị trong công nghiệp dầu khí. Cung cấp những hợp đồng s/c đại tu phục hồi Bơm chân không trong ngành dầu khí trong vòng 05 năm trở lại đây.

5.4. Nhân sự của nhà thầu chứng chỉ đào tạo về phủ phủ kim loại nóng chảy (HVOF), có chứng chỉ hàn 6G còn hiệu lực.

5.5. Có thiết bị cân bằng động, thiết bị phun phủ kim loại nóng chảy (HVOF).

II. TECHNICAL EVALUATION CRITERIA

Stt	Tiêu chí đánh giá	Mức độ	Criteria
1	Đáp ứng các yêu cầu kỹ thuật như mục 3.		
1.1	Tuân theo quy trình s/c bơm theo scope of work	Major	Đạt/Không đạt
1.2	Đáp ứng đầy đủ trách nhiệm của nhà thầu (3.1)	Major	Đạt/Không đạt
1.3	Lắp đặt chạy thử, nghiệm thu trên FPU DH01.	Major	Đạt/Không đạt
2	Yêu cầu đối với nhà thầu, như mục 5.		
2.1	Giấy phép kinh doanh phù hợp	Major	Đạt/Không đạt
2.2	ISO 9001 –Dịch vụ kỹ thuật cơ khí trong công nghiệp dầu khí	Major	Đạt/Không đạt
2.3	Kinh nghiệm 5 năm trong lĩnh vực s/c thiết bị dầu khí, trình các hợp đồng s/c bơm tương tự.	Major	Đạt/Không đạt
2.4	Nhà sự của nhà thầu có chứng chỉ đào tạo công nghệ HVOF, hàn 6G.	Major	Đạt/Không đạt
2.5	Nhà thầu có thiết bị cân bằng động, HVOF.	Major	Đạt/Không đạt
3	Thời hạn hoàn thành: như mục 4. (05 weeks)	Major	Đạt/Không đạt
4	Bảo hành: 06 tháng sau bàn giao.	Major	Đạt/Không đạt

Tiêu chí đánh giá là:

- **ĐẠT** nếu nhà thầu đáp ứng tất cả các tiêu chí trên.
- **KHÔNG ĐẠT** nếu nhà thầu không đáp ứng bất kỳ 01 tiêu chí nào như trên.
- Các tiêu chí **Major** được đánh giá là đạt khi đáp ứng đúng yêu cầu kỹ thuật.

III. SCHEDULE OF RATES PRICE

Item	Description	Unit	Q-ty	Price (VND)	Total price (VND)	Note
I	Provision of service for Overhaul Hick Ring Vacuum Pump No.2 on FPU DH01	set	1			Quote or Not Quote
	Total Price - Excl. VAT					
	Estimated VAT %					
	TOTAL Bid Price – Incl. VAT					

Note:

1. VAT is estimated at the time of PO signing. VAT shall be updated and applied according to current regulations at the time of invoice issuance.

Payment document:

- 1) Payment request (Original);
- 2) Invoice (Original);
- 3) Acceptance protocol and/or Delivery Notice approved by CLIENT (original);
- 4) Certificates as required in "TECHNICAL REQUIREMENTS".

LIST OF SPARE PARTS FOR VACUUM PUMP NO.1 & NO.2 - STOCK JAN 2026

No.	Sun code	Description	Location	Unit	Stock
1	1161210	BEARING, BALL 6211 SKF DEEPGROOVE, SINGLE ROW 55MM BORE DIA, 100MM OD, 21MMW	DH01	EA	2
2	1415475	SCREW, MACHINEHICK HARGREAVES:0640 0000 N5 LOCKING SCREW FOR TYPE SHR2400 LIQUID RING PUMP SERIAL NOS. 5H001361 & 940801	VSB1	EA	48
3	1415505	FLANGE HICK HARGREAVES: 08340000S N5 THRUST FLANGE FOR TYPESHR2400 LIQUID RING PUMP SERIAL NOS. 5H001361 & 940801	VSB1	EA	2
4	1415554	O-RING HICK HARGREAVES: 088400005N5ATHRUST FLANGE O-RING FOR TYPE SHR2400 LIQUID RINGPUMP	VSB1	EA	4
5	1415566	O-RING HICK HARGREAVES: 089400005N5ASHAFT SLEEVE O-RING FORTYPE SHR2400 LIQUID RINGPUMP	DH01	EA	8
6	1415566	O-RING HICK HARGREAVES: 089400005N5ASHAFT SLEEVE O-RING FORTYPE SHR2400 LIQUID RINGPUMP	VSB1	EA	4
7	1415591	RING, IMPELLER HICK HARGREAVES:0924 0000S N5IMPELLER BACKINGRING FOR TYPE SHR2400 LIQUIDRINGPUMPSERIAL NOS. 5H001361 &940801	VSB1	EA	4
8	1415608	SHAFT HICK HARGREAVES: 0924 0400 N5 FOR TYPE SHR2400 LIQUIDRINGPUMPSERIAL NOS. 5H001361 &940801	VSB1	EA	1
9	1415670	BEARING, SPHERICAL ROLLER 22211CCK SKF55MM BORE DIA, 100MM OD, 25MMW, TAPER BORE FOR TYPESHR2400 LIQUID RING PUMP	DH01	EA	1
10	1415682	BOLT, MACHINEHICK HARGREAVES:MOD0-0040 TO SUIT FLEXIBOX COUPLING FOR TYPE SHR2400 LIQUIDRINGPUMPSERIAL NOS. 5H001361 &940801	DH01	EA	13
11	1418373	SEAL, MECHANICAL70/502/BR1C1/BO CRANE FOR TYPE SHR2400 LIQUID RING PUMP SERIAL NOS. 5H001361 & 940801CRANE TYPE 0700/502/BO/390B	VSB1	EA	4
12	1456635	V-RING HICK HARGREAVES: 77.40.000S.N5VS-0070FOR SHR2400 LIQUID RING PUMPSERIAL NOS. 5H001361 & 940801	VSB1	EA	4
13	1463603	RING HICK HARGREAVES: 3240 0000 N5ADAPTER RINGFOR TYPE SHR2400 LIQUID RINGPUMPSERIAL NOS.5H001361 & 940801	DH01	EA	2
14	2002147	HOUSING, BEARING HICK HARGREAVES LR154H878FOR TYPE SHR2400 LIQUID RINGPUMPSERIAL NOS. 5H001361 & 940801	VSB1	EA	4
15	2010420	MECHANICAL SEAL, P/N: 1040 000S Q1A (FOR VACUUM PUMP SHR2400)	DH01	EA	2
16	2010421	RUBBER GASKET, P/N: 5540 000SN5B (FOR VACUUM PUMP SHR2400)	VSB1	EA	6




**SCOPE OF WORK FOR OVERHAUL HICK RING VACCUM PUMP
No.2 ON FPU DH01**

INTRODUCTION

The liquid ring pump No.2 (V-2601-H2) on FPU DH01 has been used on FPU DH01 since 2007. Now working with high vibration at last 3 months and it has been working noisy recently.

The pump is being plan onshore workshop for refurbishment.

THE WORK

The WORK shall specifically comprise CONTRACTOR's provision of manpower and tools/equipment for carrying out the following tasks in Contractor's workshop (but not limited). The main tasks below are for quotation and will be updated during disassembling and inspection:

- 2.1 Check and transport the pump from PVEP POC store in VTSB to the Contractor's workshop.
- 2.2 Issue the equipment Condition Report prior to repair.
- 2.3 Check and record all dimensions of the pump to the attached table during disassembling the pump.
- 2.4 Repair the corrosion/corroded areas on pump casing and intermediate plate, non-drive end guide plate, drive end guide plate by HVOF. Material of HVOF must be the same base material of pump casing and diaphragm (Cu-Al-Ni: BS1400 AB2).
- 2.5 Machine the pump components to meet the installation gaps as per indication on the pump drawing.
- 2.6 Check the pump shaft run out and record. In case the run-out of the shaft was bigger than the limit value, required repair by bidder.
- 2.7 Repair the corroded impellers by HVOF, balance the set of the pump rotor (shaft, impellers) after repair at grade 2.5.
- 2.8 Provide the Teflon sheets to make the gasket to assemble the pump and adjust the components to meet the required gaps.
- 2.9 Check and replace the existing bearings and mechanical seals with the new ones.
- 2.10 Check and record all dimensions of the pump components to ensure the pump has been repaired and follow the manufacturer procedure (procedure for dismantling & assembly).
- 2.11 Re-assemble the pump.
- 2.12 Carry out leak test for this pump at 2 barG.
- 2.13 Pack the pump and handover the repaired pump to PVEP POC store at VTSB



(Note: PVEP POC personnel will witness each step during repair)

3.0 MATERIALS

3.1 PVEP POC will provide a list of spare parts to the contractor as per attachment.

3.2 Other consumable materials (including Teflon sheets, grease, oil etc and some standard details.) will be in Contractor scope of supply.

3.3 In case some details of the pump need to change (bad condition) and not in list spare part stock of PVEP POC, contractor will design & manufacturing for replacement. The designing will be submitted to PVEP POC's supervisor before machining.

4.0 DURATION

PVEP POC needs the repair job as short as possible with high quality. Estimate duration is 06 Weeks (05 weeks onshore and 01 week offshore).

5.0 WORKPLACE

The work will be performed in the contractor's workshop

6.0 DOCUMENTATION

6.1 Contractor is requested to issue an equipment condition report before to commence of repair to PVEP POC for review and approval (as found report).

6.2 On completion of the work a final report which covers all the work listed in Clause 2 shall be submitted to PVEP POC for review /approval.

7.0 TRANSPORTATION OF EQUIPMENT

Transportation of the pump & materials from PVEP POC's store to Contractor workshop and reversal shall be arranged by Contractor

8.0 ATTACHMENTS

8.1 DIMENSION RECORDS

No.	Components	Item No. on Dwg	Dimension	Unit	Before repair	After repair
1	Impeller No #1	050	W1	mm		
2	Impeller No #2	052	W2	mm		
3	Impeller spacer	87	W3	mm		
4	Drive end Inner Bearing Cap	50	W4	mm		
5	Non-drive end Inner Bearing Cap	69	W5	mm		
6	Restrictor Ring	HLR877AAP	W6.1	mm		

7	Component of new Mechanical Seal (new)	NXH174003	W6.2	mm		
8	Setting dimension 735	Drg No. NXH174008	W6.3	mm		
9	Setting dimension 328	Drg No. NXH174008	W6.4	mm		
10	Intermediate Plate	03	W7	mm		
11	Non-drive end guide plate	21	W8	mm		
12	Drive end guide plate	20	W9	mm		

Note: The above dimension will be measured along with shaft of the pump (will be shown on the drawing during repair)

8.2 PUMP SECTION DRAWING: see 01 page - A3 attached.

8.3 LIST SPARE PARTS IN STOCK PVEP POC: see 02 page A3 attached.

BOC EDWARDS
Hick Hargreaves

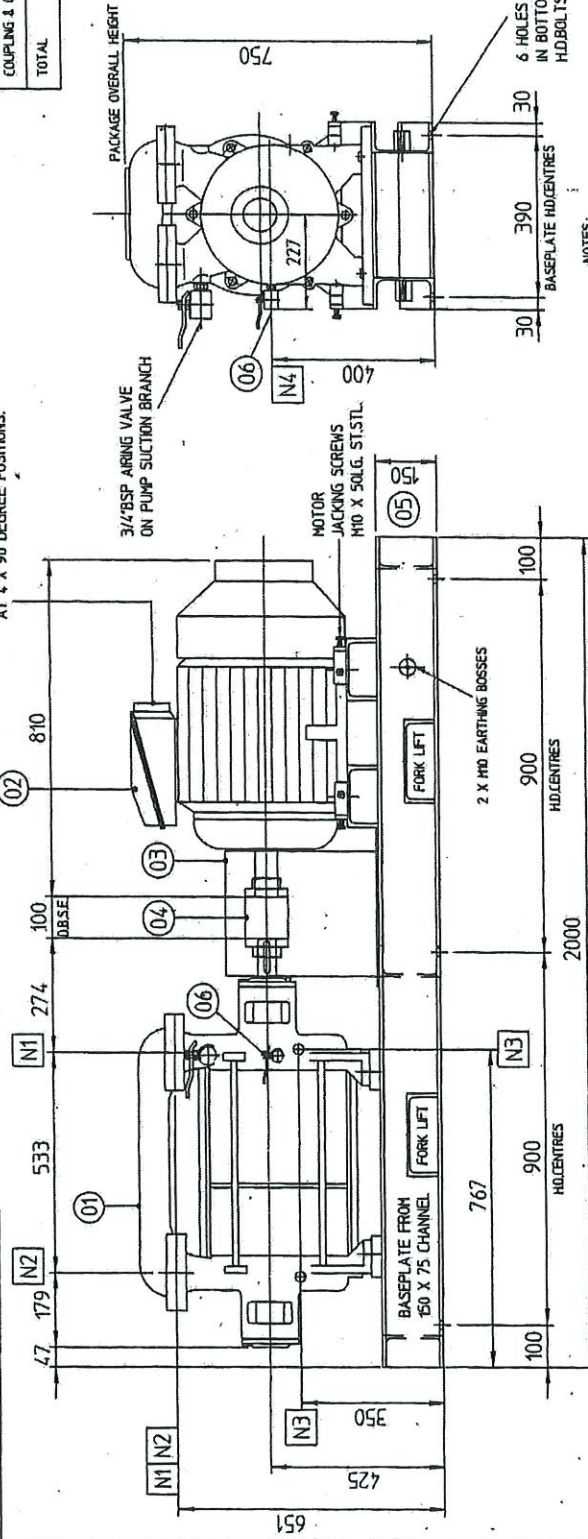
THIS DRAWING IS COPYRIGHTED BY BOC EDWARDS. IT MUST NOT BE COPIED, REPRODUCED OR OTHERWISE MADE USE OF WITHOUT THE COMPANY'S WRITTEN PERMISSION.

MOTOR SUPPLIED FITTED WITH THERMISTORS AND ANTI-CONDENSATION HEATERS AT 4 X 90 DEGREE POSITIONS.

TOP MOUNTED MOTOR TERMINAL BOX BLANK UN-DRILLED GLAND PLATE FITTED TERMINAL BOX CAN BE ROTATED AT 4 X 90 DEGREE POSITIONS.

APPROX. NETT WEIGHTS

SHR2000 LIQUID RING PUMP	222 Kgs
30KW MOTOR	240 Kgs
BASEPLATE	150 Kgs
COUPLING & GUARD	8 Kgs
TOTAL	620 Kgs



NOTES:

- 1/ PAINT FINISH 2 PACK EPOXY OFF SHORE FINISH TO H.H. PAINT SPECIFICATION I.E.S./4.03 TOP COAT COLOUR BLUE RAL 5017 - TO BASEPLATE ONLY. PUMP, MOTOR & COUPLING GUARD LEFT-SELF COLOUR.
- 2/ ALL PUMP, MOTOR & COUPLING GUARD FIXING FASTENERS TO BE STAINLESS STL.
- 3/ PUMP CASING SUBJECT TO 2 BARG HYDRO TEST

REF. QTY	DESCRIPTION
01	SHR2000 LIQUID RING VACUUM PUMP (RING FEDER DESIGN 1 CASTINGS, IMPELLERS-ALUMINIUM BRONZE & ST.STL. SHAFT MECHANICAL SEALS. - JOHN CRANE TYPE 582 CODE 0700)
02	30KW MOTOR BROOK CROFTON FRAME D200L 1740 RPM 440V-3PH-60HZ IECW T3 11 CLASS F ANTI-CONDENSATION HEATER SUPPLY 254V/1PH/60HZ SPECIFICATION: DAHUNG FIELD, SEA WATER INJECTION SYSTEM
03	BRASS COUPLING GUARD
04	FLEXIBOX METASTREAM COUPLING TYPE TSRS-0035-X077-1000 FRAS
05	BASEPLATE TO DME. KKH71458
06	3/8" BSP FEH. PUMP HALFWAY DRAIN VALVE

COUPLING REMOVED DURING TRANSIT SHIPPED INSIDE COUPLING GUARD HAS BEEN INSTALLED AT SITE COUPLING ALIGNMENT TOLERANCE RADIAL +0.002-7 INCH (0.0508mm) 1 MAXIMUM L LINEAR = 0.010-7 INCH (0.254mm) 1 MAXIMUM

TERMINATING POINT SCHEDULE

REF. SIZE	TRATING	DESCRIPTION
N1	3"	150LB ANSI FLAT FACE PUMP SUCTION
N2	3"	150LB ANSI FLAT FACE PUMP DISCHARGE
N3	3/4"	BSP FEH. PUMP SERVICE LIQUID
N4	3/8"	BSP FEH. PUMP CENTRE LINE DRAIN

TITLE	SHR2000 LIQUID RING VACUUM PUMP & 30KW FRAME D200L MOTOR
CL. REF.	05/TRV-R0C107-2005
TRADING & TOURIST Co	668499
SCALE	A2
SHEET 1 OF 1	
0009EUMXN	

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