



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

Head Office: 15th Floor, Victory Tower, 12 Tan Trao
Str., Tan My Ward, Ho Chi Minh City, S.R. Vietnam.

Tel: (84-28) 3776 2222
Fax: (84-28) 3872 1079/3872 1088
Email: pvep.poc@pvep.com.vn

FACSIMILE TRANSMISSION

To: BIDDER

Attn: To Whom it may Concern

Ref.: 303 /PVEPPOC-PPM

Date 24th Feb., 2026

No. of page(s) (including this cover sheet): 02

SUBJECT: BID BULLETIN #01

**TENDER TITLE: PROVISION OF HSE DOSSIERS (QRA, ERP, SMP) FOR DH-18X,
BLOCK 05-1(a)**

RFQ No.: PVEPPOC-26-10016

If you have not received the full text of this letter, please call (84-28) 3776 2222

Dear Sir/Madam,

Reference is made to the above-mentioned Tender, DOMESTIC PETROLEUM OPERATING BRANCH - PETROVIETNAM EXPLORATION PRODUCTION CORPORATION LIMITED (hereinafter referred to as "CLIENT") hereby would like to provide you the Bid Bulletin #01 – Important Notice as per the attachment enclosed herewith.

Additionally, PVEP-POC would like to extend the Bid Closing Time till 10:00 AM on 5th March 2026. Your proposal for the above package shall be submitted to office of CLIENT in Ho Chi Minh City, S.R. Vietnam on/before 10:00 hours (Vietnam Standard Time) on 5th March 2026 ("Bid Closing Time"). PVEP POC shall have the right to disqualify should any quotation/offer be received later than the above Bid Closing Time.

Thank you very much for your attention.

Yours faithfully,

For and On Behalf of CLIENT

NGUYEN XUAN NINH
Director

**ATTACHMENT OF BULLETIN #01
RFQ No.: PVEPPOC-26-10016**

Item No.	ITB Section/Reference	CLIENT's update
1	TECHNICAL REQUIREMENTS	To be supplemented the scope of services for provision of HSE dossiers (QRA, ERP and SMP) for DHN Development (WHP-DHN drilling and installation campaign), block 05.1(a) and technical criteria as per attachment enclosed herewith.
2	CONTRACT PRICE	To be updated form of Contract Price
3	All other remaining RFQ documents	All other remaining RFQ documents remain in full effect

TECHNICAL REQUIREMENTS

PROVISION OF HSE DOSSIERS (QRA, ERP AND SMP) FOR DHN DEVELOPMENT (WHP-DHN DRILLING AND INSTALLATION CAMPAIGN), BLOCK 05.1(a)

A. GENERAL INFORMATION

- Location: Block 05.1a, Offshore Vietnam.
- Field name: Dai Hung
- Well name: 09 Wells of Dai Hung Nam Development (DHN-1X; DHN-2X; DHN-4X; DHN-1P; DHN-2P; DHN-3P; DHN-4PI; DHN-5PI; DHN-6PI).
- Well type: Tie-back + Production + Production/Injection wells for Firm wells.
Exploration & WO for Optional - wells.
- Platform type: Unman WHP Dai Hung Nam.
- Water depth: 109 m.
- Distance from Vung Tau to field: 260 km

Well information:

Total of 9 Wells at WHP-DHN: 3 tie-back/production, 3 production and 3 injection/production wells with well Targets are at Thong – Mang Cau formation (Carbonate) from H44 – H76.2.

WHP	Well name / Type	Slot	Note	
DHN	DHN-1X	Production	#5	Block A7 (H44-H95)
	DHN-2X		#9	Block A8 (H44-H80)
	DHN-4X		#6	Block A7.2 (H44-H76.2)
	DHN-1P		#1	Sidetrack from DHN-3X (H44-H76-2) Block A7.2
	DHN-2P		#2	Block A8 (H46-H76.1.3)
	DHN-3P		#3	Block A7.1 (H50-H76.1)
	Total: 6			
	DHN-4PI	Production/Injection	#4	Block A7.2 (H44-H76.2)
	DHN-5PI		#7	Block A8 (H50-H76.1.3)
	DHN-6PI		#8	Block A7.1 (H46-H76.1)
Total: 3				

Well information for Optional wells:

Well Classification	Location	Well Quantity	Period	Note
Exploration	Open Water - DH Field	2	1 well at 1st Period 1 well at 2nd Period	Drill & DST
Workover	WHP-DH02 - DH Field	1	at 1st Period	Re-completion

Drilling & Completion Schedule:

For 1st Period: Tentatively start in Oct 2026 & Complete in Feb 2027

For 2nd Period: Tentatively start in July 2027 & Complete in Dec 2027

PVPEP-POC (Block 05-1(a))-DRILLING, DST, COMPLETION & WO WELLS SCHEDULE IN 2026-2028					Half 2, 2026	Half 1, 2027	Half 2, 2027	Half 1, 2028
ID	Task Name	Duration	Start	Finish	J A I A O N D I	J F M A M J	J A I A O N D I	J F M A M J
1	Block 05-1(a) Drilling Schedule	500 days	Oct 15 '26	Feb 26 '28				
2	Monsoon Season in 2026-2027	137 days	Oct 15 '26	Feb 28 '27	10/15	00000000	2/28	
3	Monsoon Season in 2027-2028	137 days	Oct 15 '27	Feb 28 '28			10/15	00000000 2/28
4	Development & WO and Exploration Wells (1st Period)	269.5 days	Oct 15 '26	Jul 11 '27	10/15	00000000	7/11	
5	Tie-back & Completion DHN-4X	26 days	Oct 15 '26	Nov 9 '26	10/15	00	11/9	
6	Tie-back & Completion DHN-2X	23.5 days	Nov 10 '26	Dec 3 '26			12/3	
7	Tie-back & Completion DHN-1X	25 days	Dec 3 '26	Dec 28 '26			12/28	
8	DHN-1P (Tie-back, Sidetrack Drilling & Completion)	56.5 days	Dec 29 '26	Feb 21 '27			2/23	
9	DHN-2P (Drilling & Completion)	46 days	Feb 23 '27	Apr 10 '27			4/10	
10	Infill Rig move	2 days	Apr 10 '27	Apr 12 '27			4/12	
11	Workover and Drill Exploration well	96 days	Apr 12 '27	Jul 11 '27			4/12	7/11
12	Development & WO and exploration wells (2nd Period)	233.5 days	Jul 8 '27	Feb 26 '28			7/8	00000000 2/26
13	Rig approach WHP-DHN & Prepare for Operation	5 days	Jul 8 '27	Jul 13 '27			7/13	
14	DHN-3P (Drilling & Completion)	39.5 days	Jul 14 '27	Aug 22 '27			8/22	
15	DHN-4PI (Drilling & Completion)	43.5 days	Aug 23 '27	Oct 5 '27			10/5	
16	DHN-5PI (Drilling & Completion)	45 days	Oct 6 '27	Nov 19 '27			11/19	
17	DHN-6PI (Drilling & Completion)	38 days	Nov 20 '27	Dec 17 '27			12/17	
18	Infill Rig move	3 days	Dec 22 '27	Dec 29 '27			12/28	12/29
19	Exploration well (Drill & DST)	59 days	Dec 30 '27	Feb 26 '28			12/30	2/26

Dai Hung Nam Development Scheme (EPCI):

The field facilities in Dai Hung Nam Field Development are as follows:

1. New unmanned wellhead platform WHP-DHN located near WHP-DH02. WHP-DHN will be designed with 11 well slots for drilling by jack-up rig. Full wellstream of WHP-DHN will be routed to a Production Separator (on WHP-DHN) then the separated liquid is transported to FPU for further processing, a separated associated gas is exported to BK-TNG.

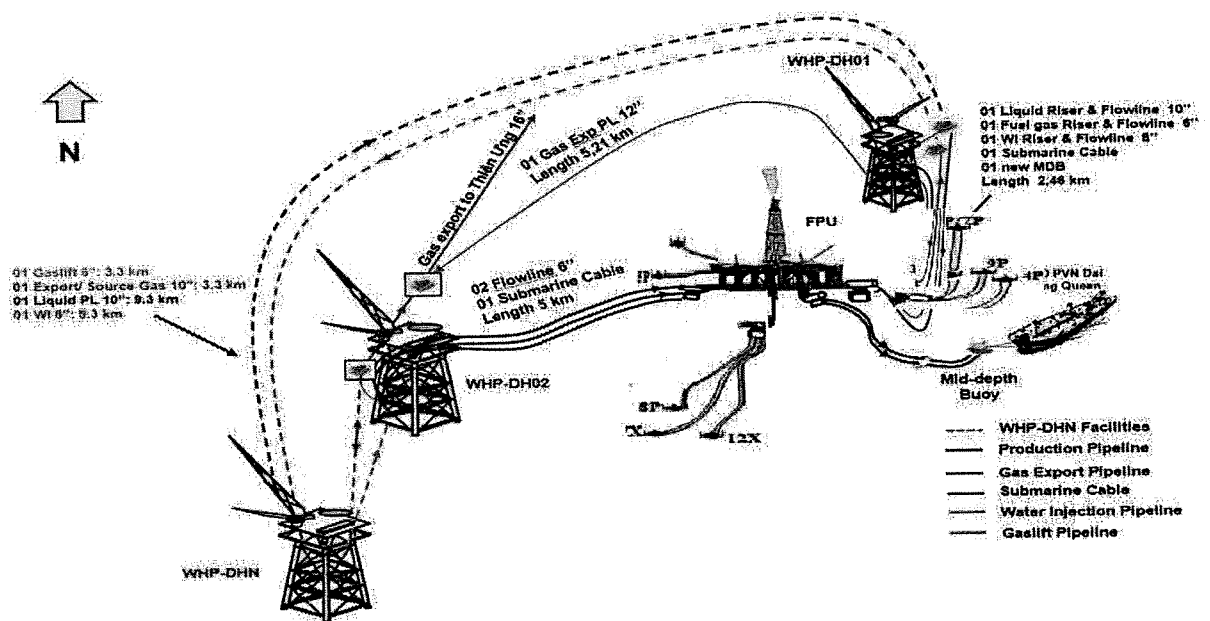
2. Infield Pipelines:

- One liquid rigid pipeline, transporting separated liquid from WHP-DHN to FPU through subsea tie-in point of existing 10" liquid flowline from WHP-DH01 to FPU;
- One gaslift rigid pipeline, transporting gaslift from WHP-DHN to WHP-DH02;
- One export gas/source gas, transporting separated associated gas/source gas from WHP-DHN to subsea tie-in point of 16" existing export gas pipeline and via versa;
- One water injection rigid pipeline, transporting water injection from FPU to WHP-DHN through subsea tie-in point of existing 8" water injection flowline from FPU to WHP-DH01.

3. Modification works on WHP-DH02 and FPU for connection and processing.

Dai Hung Field – Existing facilities:

The block facilities currently comprise of: Floating Production Unit Dai Hung (FPU), subsea wells, flowlines, mid depth buoy, calm buoy, and a 6" oil export pipeline that routes product liquid from the FPU to the FSO. The Wellhead Platform DH02 (WHP-DH02) is located in southwest direction of FPU at a distance of about 5km, dual 6" subsea export pipeline that transports the liquid from WHP-DH02 to FPU for further processing. Dai Hung gas gathering system with a pipeline length of approximately 20 km to transport gas from WHP-DH02 to BK-TNG of Vietsovpetro Joint Venture (VSP); and the Wellhead Platform DH01 (WHP-DH01) is located in northeast direction of FPU at a distance of about 2.5 km, 10" subsea export pipeline that transport the liquid from WHP-DH01 to FPU for further processing, 6" fuel gas pipeline to supply fuel gas to FPU, 8" water injection pipeline for supplying water injection from FPU to WHP-DH01 and 12" export gas to BK-TNG.



Dai Hung Nam Field Layout

B. SCOPE OF WORK FOR HSE DOSSIERS

Quantitative Risk Assessment (QRA); Emergency Response Plan (ERP) and Safety Management Plan (SMP) are based on Regulations/Laws:

- Article 8, Requirements for petroleum security of Law No. 12/2022/QH15 dated 14th November 2022 of National Assembly for Petroleum Law;
- Article 39, Documents on safety management of Decree No. 45/2023/ND-CP dated 1st July 2023 of The Government Of Vietnam for Elaborating The Law On Petroleum;
- Chapter 2 of the Decision No. 84/2010/QD-TTg dated December 15th, 2010 of the Prime Minister promulgating the Regulation on petroleum and gas exploitation;
- Decision No. 04/2015/QD-TTg dated January 20th, 2015 of the Prime Minister providing for Safety management regulations in the Petroleum activities;
- Articles 4, 5, 6 of Circular No. 43/2010/TT-BCT dated December 29th, 2010 of the Ministry of Industry and Trade providing for the safety management within the Industry and Trade;

- Article 12, Chapter 2 of the National Technical Regulation on risk acceptance criteria used for quantitative risk assessment (QRA) of petroleum, oil and petrol, chemical, thermal power activities which promulgated by the Circular No. 50/2012/TT-BCT dated December 28th, 2012 of the Ministry of Industry and Trade.

I. EMERGENCY RESPONSE PLAN (ERP)

1. Survey and data collection

Contractor will establish the survey team composed of experts of contractor.
PVEP POC will support data as requirement.

2. Data processing and the proposed content of the ERP

- The collected documents shall be processed and handled for the appropriated data which are presented in text, flowcharts and figures.
- The proposed content of the ERP report:
 - Section 1: Overview;
 - Section 2: Strategy and plan for emergency response;
 - Section 3: Emergency Response Organization;
 - Section 4: Notification and Reporting;
 - Section 5: Training and drill.
 - Appendices.

3. Organization diagram

4. Final report:

- ERP in Vietnamese language: 02 originals
- ERP in English language: 02 originals

II. SAFETY MANAGEMENT PROGRAM (SMP)

1. Survey and data collection

Contractor will establish the survey team composed of experts of contractor.
PVEP POC will support data as requirement.

2. The proposed content of the SMP report

- Section 1: Introduction;
- Section 2: Plan description;
- Section 3: Legal requirement;
- Section 4: Safety Management Program;
- Section 5: Conclusion.
- References.

3. Organization Diagram

4. Final report:

- SMP in Vietnamese language: 02 originals
- SMP in English language: 02 originals

III. QUANTITATIVE RISK ASSESSMENT (QRA)

Methodology

The Quantitative Risk Assessment (QRA) process is carried out following the flowchart in the Figure 1 below.

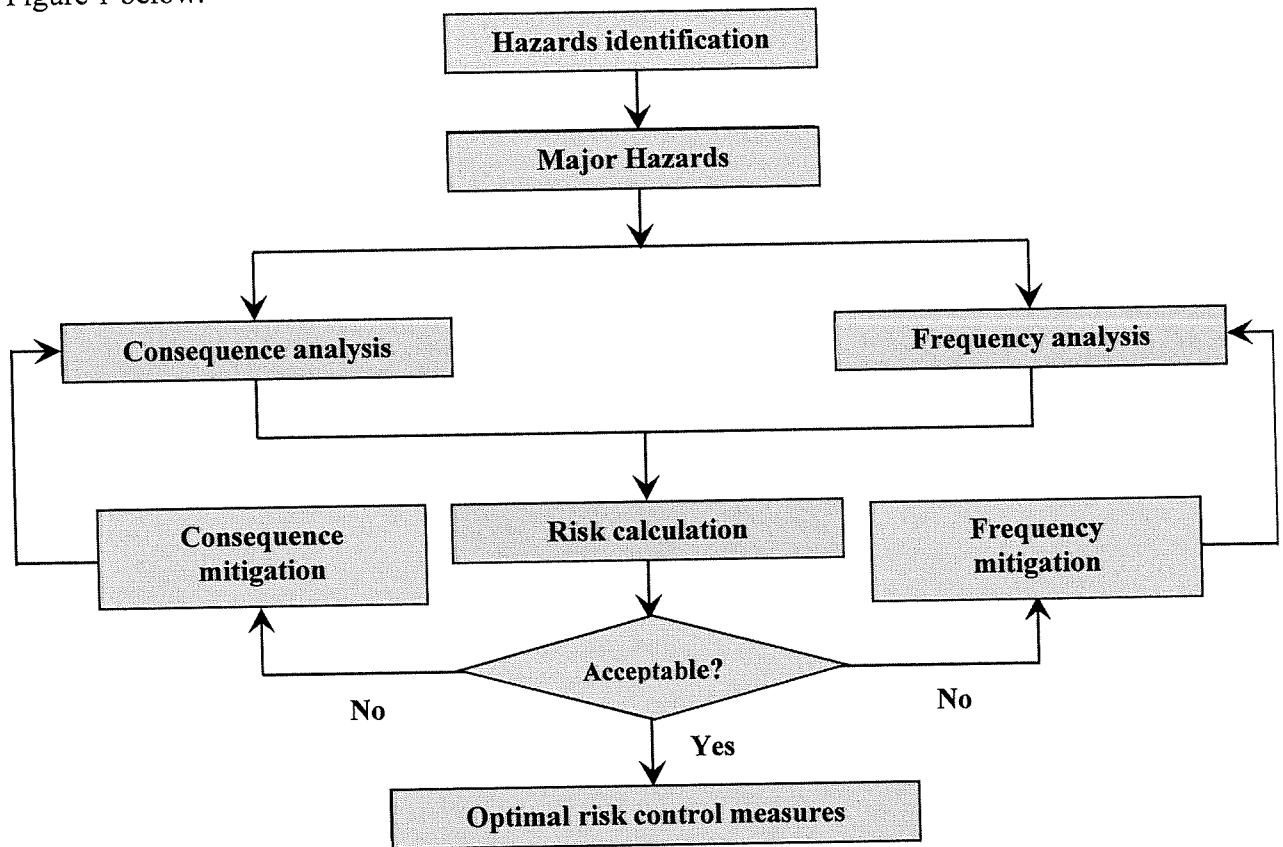


Figure 1. Quantitative Risk Assessment Flowchart

The QRA steps are described as the followings:

1. Data collection and information covering the following areas:

- Project description;
- Environment status and the surrounding areas;
- Safety measures - the existing measures available to prevent and/or mitigate the incidents/accidents from the project activities; and
- The existing/previous risk assessments of the relevant facilities of the project (if any).

2. Hazard identification

The intrinsic hazards associated with the exploitation activities; and the potential of incidents shall be identified. This process shall apply the combination of the experience from previous risk assessments, the worldwide accident statistics and the oil and gas experts' assessment.

3. Major hazards

Base on the hazard identification list and accidents/incidents experience occurring in the world, selecting the types of accidents/incidents that shall be considered in risk analysis.

4. Consequence Modeling

The consequence modeling allows for calculating the levels of incident consequence as well as estimating possible impact to people and property. In this QRA, the consequence of each incident is modeled by professional software of DNV including PHAST module.

5. Frequency Estimation

The frequencies (likelihood per year) of each incident are estimated using generic data from LEAK software of DNV and modified, supplemented by available data from the site.

6. Risk Estimation

Based on the frequencies and consequences of each event, PHASTRISK will calculate risks due to events caused as well as risks for all Projects. The assessment against risk criteria and giving suitable for advice.

7. Software to be used in QRA

7.1. The special software which shall be utilized in risk assessment are included:

- LEAK software at least version 3.3 used in frequency analysis;
- PHAST software at least version 7.11 used in fire and explosion consequence modeling or toxic releases of gas/liquid; and
- PHASTRISK (SAFETI) software at least version 6.7 used in calculating risk.

7.2. Licenses of software

- All licenses of software are valid.
- Provide of invoice for the latest software purchase.

7.3. Manpower for use software

- At least 02 people have a valid training certificate.
- A training certificate issued by the organization selling the software.
- In the case of a joint venture contractor, the main contractor must have full training certificates for three software (LEAK; PHAST and SAFETI) was mentioned above.

8. Proposed content of the QRA Report

- Introduction
- Methodology
- Risk acceptance criteria
- Hazard identification
- Frequency analysis
- Consequence modeling
- Risk calculation
- Risk result
- Conclusion and recommendation
- References

9. Organization Diagram

10. Final report:

- QRA in Vietnamese language: 02 originals
- QRA in English language: 02 originals

IV. REQUIREMENTS FOR CONTRACTOR

- To prepare QRA, ERP, SMP documents complying to Government requirements and PVEP-POC Standard.
- Arrange the meeting and presenting the report at PVN's appraisal committee (if required)
- Arrange the meeting and present the report to MOIT's appraisal committee.
- Revise the ERP, SMP, SMP as the comments of MOIT.
- Follow-up the approval process and get approval letter from MOIT.

- The required language for QRA, ERP, SMP documents is English and Vietnamese. Outputs from study in digital format on a Memory stick. From receipt of all necessary data in the correct format (Doc, PDF, excel, Power Point...).
- The final reports must be written in English and Vietnamese language.
- All final QRA, ERP, SMP documents are printed in color.
- Arrange fees with lump sum for PVEP POC (08 members): air tickets (round trip SGN – HAN), accommodation, management fees and travel rental for presentation trips to MoIT/PVN venues for approval.

V. MILESTONE PAYMENTS:

- 1st payment: 50% of the contract value upon submission of the report to PVN;
- 2nd payment: 20% of the contract value upon submission of the report to MoIT;
- 3rd payment: 30% of the contract value upon receiving the approval letter or response dispatch from MoIT.

VI. EXPERIENCE AND CAPACITY OF THE CONTRACTOR

- Company experience: The total numbers of completed and/or ongoing projects on Safety Documents in the last five (05) years must be at least three (03) projects.
- The company’s assets statistics, business results (before and after tax) in the last two (02) years without any loss in any year.
- Having appropriated quality management system.
- Human resource for the project implementation
 - ✓ **Project manager**
 - + Degree: Graduated from University with engineering major
 - + Having certificates of training on risk assessment certified by the recognized international organization
 - + Keeping responsibility of project manager for at least three (03) projects on QRA, ERP, SMP development for petroleum activities
 - ✓ **Experts for the project**
 - + Having at least five (05) engineers/experts participating in the project trained on HAZID/HAZOP/Risk Assessment certified by the recognized international organization.
 - + The participations of the project have experience for at least five (05) similar projects.

VII. DURATION OF COMPLETION: 90 days from the date of signed contract (not included the review/appraisal period of PVEP POC/PVEP and Authorities).

C. TECHNICAL EVALUATION CRITERIA

The detailed technical assessment for bids bases on the criteria detailed in the following table:
Only the bids which “**meet the technical requirements**” will be considered to commercial evaluation.

No	Items of evaluation	Criteria	Remarks
I	EMERGENCY RESPONSE PLAN DOCUMENT (ERP)	Major	If not meet the requirements or no evidence will get “Fail”
II	SAFETY MANAGEMENT PROGRAM DOCUMENT (SMP)	Major	If not meet the requirements or no evidence will get “Fail”

III	QUANTITATIVE RISK ASSESSMENT DOCUMENT (QRA)	Major	If not meet the requirements or no evidence will get "Fail"
IV	REQUIREMENTS FOR CONTRACTOR	Major	If not meet the requirements or no evidence will get "Fail"
V	MILESTONE PAYMENTS	Major	If not meet the requirements or no evidence will get "Fail"
VI	EXPERIENCE AND CAPACITY OF THE CONTRACTOR	Major	If not meet the requirements or no evidence will get "Fail"
VII	DURATION OF COMPLETION	Minor	90 days

IMPORTANT CONDITIONS:

- Only one (01) requirement is "FAIL", the bidder will be evaluated "Fail"
- Three Criteria of "PASS"; "ACCEPTABLE" and "FAIL" will be applied for criteria marked with "Minor" only
 - ✓ "PASS": if delivery time is 90 days
 - ✓ "ACCEPTABLE": if delivery time is from 91 days to 100 days
 - ✓ "FAIL": if delivery time is 101 days

CONTRACT PRICE

STT	Tên Dịch vụ	Số lượng	Đơn giá	Thành tiền (không bao gồm VAT)	Ghi chú
1	Provision of HSE Dossiers (QRA, ERP & SMP) for DH-18X, Block 05.1a	1			
2	Provision of HSE Dossiers (QRA, ERP AND SMP) for DHN development (WHP-DHN drilling and installation campaign), Block 05.1(a)	1			
Tổng cộng					