

RFP-SINAR-2023-007 AMENDMENT 01

Activity Title: “Supporting PERTAMINA in Meeting Oil & Gas Methane Partnership (OGMP) 2.0 Reporting Framework Requirements and Indonesia’s Commitment to the Global Methane Pledge in the Energy Sector”

Issuance Date: October 30, 2023

Deadline for Receipt of Questions: November 13, 2023, at 17:00 Jakarta Time

Revised Closing Date and Time: December 14, 2023, at 17:00 Jakarta Time

The purpose of this amendment to RFP-SINAR-2023-007 is to provide answers to questions submitted by bidders and to issue an extension to the proposal submission closing date.

Questions and Answers

- **Q1: What are PERTAMINA's goals and objectives for methane emissions reduction and OGMP compliance?**
 - PERTAMINA has not yet established a quantitative target for methane emissions reduction from the company's operational activities until 2023. PERTAMINA's contribution to reducing the methane carbon objective continues to be merged with the overall GHG target. Therefore, PERTAMINA aims to establish methane emission management framework, to develop the OGMP 2.0 roadmap, and to achieve the Gold Standard by the year 2024. These objectives will be part of PERTAMINA's Climate Change Strategy and Sustainability Focus. Please refer to Attachment A for more details about the objectives of this activity.
- **Q2: What is the scope of work and expected outcomes for each assignment?**
 - We have detailed the scope of work, deliverables, and delivery schedule in the RFP documents. We encourage Bidders to carefully read the Scope of Work and Deliverable section in Attachment A of the RFP Document.
- **Q3: Which PERTAMINA sub holdings and assets are covered?**
 - The upstream boundary shall be used for both of developing methane emission management and establishing the OGMP 2.0 roadmap. PERTAMINA's upstream boundary includes the exploration, development, and extraction of the raw material (crude oil, associated condensate, and natural gas) from geological formations. The temporary storage of the raw materials in the tank storages and the transmission of the raw materials trough pipeline to receiving facilities are included in the boundary of this assignment. The upstream subsector for this assignment is managed only by the Subholding Upstream and covered both of operate assets and non-operated/joint venture assets in Indonesia and overseas.
 - The midstream boundary shall be used only for developing methane emission management. PERTAMINA's midstream boundary includes the refinery and processing of crude oil and associated condensate, and the petrochemical management activities. The

temporary storage of the refined and processed products in the tank storages and their transmission through pipeline or shipping to receiving facilities are included in the boundary of this assignment. The midstream subsector for this assignment is managed by the Subholding Refining & Petrochemical and covered both of operate assets and non-operated/joint venture assets in Indonesia.

- The downstream boundary shall be used for both of developing methane emission management and establishing OGMP 2.0 roadmap. PERTAMINA's downstream boundary includes the distribution, transmission, and shipment of the refined products of petroleum and processed products of gas to various end-users, such as fuel/gas stations, industrial customers, and other consumers. The retail and marketing activities of oil and gas products are not included in the boundary of this assignment. The downstream subsector is managed by both Subholding Commercial & Trading, and Subholding Gas, and covered operated assets in Indonesia.
- Summarized information is provided in the table below:

Value Stream	Subholding	Activities	Asset Type	Operation	Required for
Upstream	Upstream	Extraction (E&P)	Operated, NOJV	Indonesia, overseas	OGMP 2.0, methane emission management
Midstream	Refining & Petrochemical	Refinery, storage, petrochemical	Operated, NOJV	Indonesia	OGMP 2.0
Downstream	Commercial & Trading	Storage, distribution, transmission	Operated	Indonesia	OGMP 2.0, methane emission management
	Gas		Operated	Indonesia	

- Complying with OGMP 2.0, PERTAMINA has the option to report the methane emissions in the Upstream reporting template, as most of the operated assets and non-operated/joint venture assets are in the respective one. Nevertheless, as an integrated energy company, PERTAMINA also operate in Downstream subsector and plan to report both of Subholding Commercial and Trading, and Subholding Gas segments using the Downstream reporting template to allow for a better evaluation of data inventory, granularity, and confidence.

- **Q4: How many assets does PERTAMINA own and operate in each part of the value stream?**
 - While this question will impact the implementation and development of the methane emission management roadmap to diagnostic studies, the exact number is still subject to confidentiality and will be discussed with PERTAMINA after award.
 - PERTAMINA is a state-owned enterprise and operates extensively in upstream, midstream, and downstream subsectors. As PERTAMINA is targeting the Gold Standard of OGMP 2.0, asset coverage will depend on the targeted reporting unit and timeline as required by OGMP 2.0 to achieve the Gold Standard. PERTAMINA will implement the methane emission management across PERTAMINA's value stream and report the methane emissions from the operated assets, as well as the non-operated/joint venture assets (with equity >5%).
 - At this point, the potential bidders can include their assumptions on the asset coverage for the technical proposal based on the information provided in Attachment A. Please refer to Q3 for the explanation of PERTAMINA's subholdings.
- **Q5: Will PERTAMINA conduct a deep dive of its methane source inventory? Please confirm that "downstream" is limited to PERTAMINA's product distribution business.**
 - The successful bidder will assist PERTAMINA to conduct a deep dive on methane emissions source inventory to be able to identify and characterize the sources of methane emissions

and to develop strategies to measure, quantify and reduce them. Furthermore, the inventory can help the stakeholder to understand the sources of methane emissions and to develop effective policies and action plans to manage them.

- Please refer to Q3 and Q4 for the explanation of PERTAMINA's value stream.
- **Q6: What is the expected budget for the engagement?**
 - We cannot disclose the expected budget range for this activity as it will be a key evaluation criterion to select the successful bidder. However, bidders should propose a budget considering the proposed technical experts and team composition outlined in the RFP documents, as well as the given scope of work. Please refer to Attachment B for more details about the budget components.
- **Q7: What are the funding sources and mechanisms?**
 - USAID, through Tetra Tech as the implementing agency of the SINAR project, will provide funding to the successful bidder based on a subcontractor agreement. The mechanism will be detailed in contract negotiations.
- **Q8: What is the competitive landscape for this project?**
 - The RFP has been circulated in the U.S. and Indonesia and is open to any interested and qualified bidder.
- **Q9: What is the OGMP implementation process and timeline?**
 - Please refer to Q10.
- **Q10: What specific OGMP levels or standards does PERTAMINA aim to achieve?**
 - PERTAMINA aims to achieve Gold Standard Reporting and Level 5; thus, the levels and standards applied for OGMP 2.0 reporting will follow this objective.
 - We expect bidders to have prior understanding and experiences related to OGMP 2.0 reporting framework requirements (i.e. guidelines, process, methodologies, implementation plan, and timeline), and comprehensive methane emission management in the oil and gas industry the upon the submission of the technical proposal.
- **Q11: How much knowledge is PERTAMINA willing to share about its methane leaks?**
 - It depends on the necessity and relation to the assignment. Please refer to Q24.
- **Q12: What data and information are available regarding PERTAMINA's current methane emissions inventory?**
 - PERTAMINA has been identified and conducted GHG emission data calculation inventory for the scope 1 and 2 based on applicable national regulation (PERMENLH 12/2022). The detailed list on data and information is subject to confidentiality and will be discussed after award.
- **Q11: Will PERTAMINA conduct a comprehensive assessment of its methane emission sources?**
 - The successful bidder will assist PERTAMINA on developing comprehensive assessment of its methane emission sources and establishing robust methane emission management and OGMP 2.0 roadmap. More detailed information will be shared after award.

- **Q12: How will satellite data imagery be used to achieve OGMP standards?**
 - Satellite data imagery can be used by PERTAMINA to comply with the Level 5 of OGMP 2.0 reporting requirements by providing an accurate view of methane emissions from PERTAMINA's oil and gas operations within site level. Satellite imagery data can be used to measure and quantify methane emissions from super-emitters, such as incomplete combustion, flaring, venting and fugitive emissions. To achieve the Gold Standard, the satellite data shall be reconciled with the component-level data that acquired by handheld device and/or drone. This comprehensive information can then be used to prioritize mitigation actions and track progress towards reducing methane emissions.
 - Bidders can propose and incorporate to add this request/aspect in their technical proposal to demonstrate their understanding of this assignment.

- **Q13: Will PERTAMINA assign resources to facilitate data acquisition, knowledge transfer, and communications/change management?**
 - The successful bidder will be working closely with PERTAMINA in all aspects of the assignment. Bidders can propose and incorporate this request/aspect in their technical proposal to demonstrate their understanding of this assignment.

- **Q14: If so, will those resources be representative of each asset/asset type (e.g. Upstream On-Shore Assets, Upstream Offshore Assets, Transmission & Storage, etc.)**
 - The detailed list of data, information and resources are subject to confidentiality and will be discussed after award.

- **Q15: Which assets within PERTAMINA are included in the project?**
 - Please refer to Q3 and Q4 for the explanation of PERTAMINA's value stream.

- **Q16: Does PERTAMINA have a comprehensive list of major equipment such as pneumatic devices, engines, separators, tanks, compressors, etc.?**
 - The detailed list of data, information and resources are subject to confidentiality and will be discussed after award.

- **Q17: Will the contractor need to develop this list from provided P&IDs?**
 - The potential bidders can propose and incorporate this request/aspect in their technical proposal to demonstrate their understanding of this assignment.

- **Q18: Will the contractor need to field-verify the P&IDs for a sampling of assets? RFP indicates that equipment may need to be identified from P&IDs. Will all P&IDs be provided electronically?**
 - P&IDs in each asset may be available in digital or printed format, with the latter being the most common one, especially in the mature assets. The format and availability of P&IDs can vary depending on several factors, such as creation year, software/tools used, applicable asset template, project documentation requirement, and confidentiality considerations. Nevertheless, this aspect will be discussed after award.

- **Q19: Are there plans for collaboration with Indonesian government agencies as part of capacity building and methane emissions management efforts?**
 - No. Capacity building and methane emissions management efforts will be focused on PERTAMINA complying with OGMP 2.0 requirements and build urge awareness of

methane emission management. The capacity building shall be prioritized for internal stakeholders of PERTAMINA Group (i.e. management, executive, staff, operators, etc.).

- Specific to the capacity building, the programs shall be conducted in various formats and in several venues either inside or outside PERTAMINA's value stream, such as: masterclass series, technical training, blended learning, field excursion, and industrial benchmarking. Bidders can propose and incorporate this request/aspect in their technical proposal to demonstrate their understanding of this assignment.
 - We expect the potential bidders to propose the concept of capacity building based on their understanding and experiences and industry best-practice, including their proposed strategy and framework to be incorporated in the technical proposal.
 - Please refer to Q6, Q7 and Q37 for the explanation of budget, funding sources and mechanism and payment.
- **Q20: How will capacity building be integrated into the project and what strategies will be employed to enhance PERTAMINA's capabilities in methane emissions management?**
 - Please refer to Q19.
 - **Q21: Are joint ventures and partnerships considered within the scope of methane mitigation efforts?**
 - Please refer to Q3 and Q4 for the explanation of PERTAMINA's value stream.
 - **Q22: What measurement methodologies and instruments will be used for methane emissions assessment and reporting?**
 - We expect the potential bidders to convey their understanding and experiences as well as industry best practice on the Level 3, Level 4 and Level 5 methodologies, technologies, and instrument based on OGMP 2.0 reporting framework to be incorporated in the technical proposal.
 - We also expect the potential bidders to inform their understanding and experiences, as well as industry best practice on the identification, detection, measurement, quantification, and inventory approaches following the objective in reaching the Gold Standard level to be incorporated in the technical proposal.
 - **Q23: What is PERTAMINA's measurement approach for OGMP?**
 - Please refer to Q22.
 - **Q24: Has PERTAMINA undertaken any methane measurement campaigns? If so, what is the status of PERTAMINA's inventory of identified methane sources? If a Source Inventory is developed or being developed, what is the confidence level of said Inventory?**
 - LDAR (Leak Detection and Repair) campaign is utilized in several assets with common objective to promote process safety and occupational safety purposes, and as part of loss reduction efforts. More integrated LDAR programs adding measurement, quantification, and inventory management efforts are needed to be able to characterize the identified methane sources and to achieve the Gold Standard of OGMP 2.0. Furthermore, PERTAMINA would like to establish and maintain a transparent LDAR database from its operations.

- PERTAMINA has conducted an internal gap assessment to identify the confidence level of its data inventory. However, a more detailed gap assessment shall be conducted in this assignment. Nevertheless, this aspect will be discussed after award.
- **Q25: Will the contractor need to develop PERTAMINA's Methane Source Inventory or assess the completeness, or validity of an existing Inventory?**
 - Yes, it is part of a deliverable regarding a comprehensive framework and roadmap of methane emission management and gold-standard pathway based on OGMP 2.0 requirements, international standards, bidders experience, and industry best-practices.
- **Q26: What plans are in place to ensure the sustainability of methane reduction efforts beyond the project's duration?**
 - PERTAMINA intends to set a methane reduction target for 1st year reporting and will begin setting an implementation plan and gold-standard pathway at the following year, as prerequisite of OGMP 2.0 reporting framework. Nevertheless, this aspect will be discussed after award. However, bidders can propose and incorporate to add the sustainability aspect in their technical proposal to demonstrate their understanding of this assignment.
- **Q27: Are there established KPIs for assessing the success of methane emissions reduction and OGMP compliance efforts?**
 - The potential bidders can propose and incorporate to add this request/aspect in their technical proposal to demonstrate their understanding of this assignment.
- **Q28: How will stakeholder engagement be managed to ensure project success?**
 - Please refer to Q3 and Q4. Bidders can incorporate this aspect and their strategy in their technical proposal to demonstrate their understanding of this assignment.
- **Q29: Are invoices based on the Delivery Completion Schedule as proposed on Page 13?**
 - Invoices shall be submitted after deliverables have been fully approved by the SINAR team and PERTAMINA. Deliverables are based on the delivery completion schedule on page 13 of the RFP document. Payments of invoices will be processed after written approval of deliverables by the SINAR team and PERTAMINA have been received.
- **Q30: What is the "acceptance" process and how does it relate to payment?**
 - The SINAR team and PERTAMINA will review submitted deliverables and provide feedback, if any, for the Subcontractor to address. After the SINAR team and PERTAMINA approve the deliverables, Tetra Tech will approve invoices for payment.
- **Q31: How would the overall engagement be structured in the event of multiple awards?**
 - This will be determined at the award stage, if necessary. There is no requirement for issuance of multiple awards.
- **Q32: What measures will be put in place to safeguard proprietary IP and ensure continuity and collaboration between assignments?**
 - Confidential and proprietary information will be safeguarded as outlined in the subcontract award.



- **Q33: In Assignment 1 of the RFP, Scope of Work, point 3, it is written that:**
“Identify barriers to complying with the OGMP 2.0 requirements across PERTAMINA’s oil and gas value chain and identify possible enabling actions that can overcome these barriers.”
Regarding PERTAMINA oil and gas “value chain”, could you elaborate more about the scope of this value chain? Is it required for the bidder to include complex processes in downstream value chain, for example during the process of filling fuels to customers vehicles in SPBU or PERTASHOP which include millions of refueling process across Indonesia SPBU and PERTASHOP in a year?
 - Please refer to Q3 and Q4 for the explanation of PERTAMINA’s value stream.

- **Q34: In Assignment 4 of the RFP, Scope of Work, point d and e, it is written that:**
“d. Facilitate access or demonstrations to latest methane detection and mitigation technologies for PERTAMINA’s employees.
e. Provide and facilitate capacity building for PERTAMINA’s employees regarding methane emissions management in the format of training/certification programs, workshops, awareness campaigns, and knowledge sharing.”
Will these “demonstration and capacity building” events be conducted in one certain place of PERTAMINA companies, for example in Kantor Pusat PERTAMINA? Or these events required to be carried out in several places in PERTAMINA sectoral units?
 - Please refer to Q19 and Q20 for the explanation of capacity building.

- **Q35: In Assignment 4 of the RFP, Scope of Work, point e, it is written that:**
“Provide and facilitate capacity building for PERTAMINA’s employees regarding methane emissions management in the format of training/certification programs, workshops, awareness campaigns, and knowledge sharing”
Could you elaborate about the “certification” program? Since certification will require collaboration with other credible institutions (national or international) to issue the certificate or to conduct certified training programs.
 - Please refer to Q19 and Q20 for the explanation of capacity building.
 - Regarding the certification/training formats, bidders can incorporate to add this request/aspect in their technical proposal to demonstrate their understanding of this assignment.

- **Q36: In Assignment 4 of the RFP, scope of work, point d and e, it is written that:**
“d. Facilitate access or demonstrations to latest methane detection and mitigation technologies for PERTAMINA’s employees. e. Provide and facilitate capacity building for PERTAMINA’s employees regarding methane emissions management in the format of training/certification programs, workshops, awareness campaigns, and knowledge sharing.”
Is it required for the bidder to include "demonstration and capacity building" venues in the budgeting, which include participants and trainers consumptions, venue location rents, etc., or it will be supplied from SINAR or PERTAMINA?
 - Please refer to Q19 and Q20 for the explanation of capacity building.
 - Please refer to Q6, Q7 and Q37 for the explanation of budget, funding sources and mechanism and payment.
 - SINAR is not providing venues and additional support for this assignment as it relates to demonstration and capacity building. No direct or in-kind cost sharing should be assumed for PERTAMINA.



- **Q37: In Point 8. TERMS OF PAYMENT, it is written that: “Payment terms for the awarded Subcontract Agreement shall be net forty-five (45) days after satisfactory completion and acceptance of services and deliverables.” Is the table in page 13 of RFP “Deliverables and timelines” used as payment milestones?**
 - The table on page 13 of the RFP indicates the estimated submission date for each deliverable. Upon acceptance and approval of each deliverable, the subcontractor will receive payment net forty-five (45) days after acceptance of the deliverables.

- **Q38: How are the payment terms (percentage of each payment milestone) regulated?**
 - The table on page 13 of the RFP indicates the estimated submission date for each deliverable. Payment percentages are fixed with the amount based on the award budget. Upon acceptance and approval of each deliverable, the subcontractor will receive payment net forty-five (45) days after acceptance of the deliverables.

- **Q39: Will the awarded bidder work under a contract service or a grant?**
 - SINAR will issue a subcontract agreement to the successful bidder.

- **Q40: Are state owned enterprises (BUMN) eligible to join this tendering process?**
 - In order to be qualified for the procurement process, all bidders are required to submit a “Certification that the company is not owned or controlled in total or in part by any entity of any government”. Please refer to page 2 of the RFP, “Bidder’s Qualifications”.

- **Q41: Could you explain Tetra Tech’s policy regarding the copyright for any of our ideas presented before the selection of contractor made?**
 - As stated in Section C. Technical Approach of the RFP document, “Information which the Offeror considers proprietary, if any, should be clearly marked “proprietary” next to the relevant part of the text and it will then be treated as such.”

- **Q42: Regarding the third point on Page 5, could you confirm if Tetra Tech has provided a specific format for conducting the Key Performance Indicator (KPI) assessment?**
 - If you are referring to the evaluation criteria for bidder selection, the successful bidder will be chosen based on the evaluation of the technical approach, management approach, staffing plan, and company past performance. Page 7 provides detailed descriptions on this matter.

- **Q43: It is our understanding that PT PERTAMINA has estimated emissions for certain business lines in their science-based targets, such as PT PERTAMINA Kilang International. Could you confirm if there is available data from the ultimate client (PERTAMINA) that we can utilize as a basis for the study?**
 - The detailed list of data and information is subject to confidentiality and will be discussed after award. However, it is worth knowing the successful bidder will work closely with the PERTAMINA to streamline the necessary data to develop the deliverables.

- **Q44: For Assignment 3’s Statement of Work (SoW), is it required for the Consultant(s) to perform on-field measurements of PERTAMINA emissions?**
 - No. Direct measurement and quantification of methane emission are not required for this assignment. Nevertheless, this aspect should be discussed after award.

- **Q45: Referring to the Entity Checklist Document on page 1, could you clarify whether the tender process follows the "All awards registrations" or the "Financial Assistance Awards Only registrations" section?**
 - Bidders are not required to complete "Entity Registration" on sam.gov. Bidders are only required to obtain a Unique Entity Identifier (UEI) Number. Please follow the steps on sam.gov for obtaining a UEI only.

- **Q46: Regarding the Entity Checklist Document on page 3, could you provide more details on the NCAGE number process?**
 - Bidders are not required to complete "Entity Registration" on sam.gov and therefore do not require a NCAGE number. Bidders are only required to obtain a Unique Entity Identifier (UEI) Number. Please follow the steps on sam.gov for obtaining a UEI only.

- **Q47: On pages 4 and 14, in the Proceedings Question Section, are these aspects relevant for a local Indonesian company to consider?**
 - Bidders are not required to complete "Entity Registration" on sam.gov and therefore are not required to complete "Proceedings Questions" as outlined in the SAM Entity Registration Checklist. Bidders are only required to obtain a Unique Entity Identifier (UEI) Number. Please follow the steps on sam.gov for obtaining a UEI only.