



Sanitation GHG Emissions Research (W-2-11)

INDUSTRY BRIEFING

10.00 am (Jakarta time) 12 January 2024



Meeting Rules



1. Please fill in the meeting attendance link that was shared in the Q&A box.
2. This meeting will be recorded and will not be shared.
3. If you have questions during the briefing, please type your message into the Zoom chat box and press enter.
4. For each question raised by the potential tenderers today, KIAT will issue formal briefing minutes within 5 working days, which will be published on the KIAT website. Only the responses contained in the minutes are to be relied upon by interested organisations.
5. Participation in this briefing is on the basis of confidentiality so attendee list will not be shared.



Meeting Agenda

10:00 - 10:05	Welcome and introduction	KIAT Program Manager
10:05 – 10:10	Introduction to KIAT	KIAT Program Manager
10:10 – 10:40	Sanitation Greenhouse Gas (GHG) Emissions Research - activity scope and deliverables	KIAT Lead Adviser
10:40 – 11:00	Procurement process	KIAT Program Manager
11:00 – 11:30	Q&A	



Introduction to KIAT



About KIAT

The Kemitraan Indonesia Australia untuk Infrastruktur (KIAT) is a 10-year facility supported by the Australian Government. KIAT's overarching goal is to support 'sustainable and inclusive economic growth through improved access to infrastructure for all people'.

To support this goal, KIAT works with the Government of Indonesia (GOI), Government of Australia, the private sector, multilateral development banks (MDBs) and other development partners, as well as civil society to help achieve the following outcomes:

- Improved GOI policy and regulatory framework for infrastructure development
- High quality projects prepared and financed by GOI, the private sector and / or MDBs
- High quality infrastructure delivery, management, and maintenance by GOI
- Infrastructure policies, design and delivery are more inclusive for women and people with disabilities
- Improved policy, planning and design results in lower-emission, more climate-resilient infrastructure

The initial focus of KIAT is on the following areas: Water and Sanitation; Transport; Gender Equality, Disability and Social Inclusion (GEDSI); and Infrastructure Funding and Financing.



Sanitation GHG Emission Research: Background, Scope of Work and Deliverables



Background

- Indonesia's sanitation sector is potentially a major contributor to the country's total GHG emissions, however, these emissions are currently poorly understood, with emissions from the generation and management of human waste largely unaccounted for in Indonesia's Nationally Determined Contributions.
- Stronger accounting of these emissions, and improved understanding of how they can be reduced, will contribute to GOI's efforts to mitigate GHG emissions in order to meet its Paris Agreement commitments to combat the climate crisis.
- In the Long-Term Strategy for Low Carbon and Climate Resilience 2050 (Indonesia LTS-LCCR 2050), Indonesia has committed to reducing GHG emissions from WWTPs.



Activity Goal and End of Activity Outcomes (EoAO)

Activity Goal

The long-term goal of this activity is to reduce the Indonesian sanitation sector's GHG emissions through improved awareness and understanding of sanitation sector GHG emissions and more effective management of sanitation services in Indonesia.

Activity Outcomes

By February 2026, the Ministry of Public Works and Housing (MPWH), the Ministry of Environment and Forestry (MoEF), and Bappenas are **aware of and acknowledge the level of GHG emissions emitted nationally from sanitation systems** and value this evidence as the basis for future efforts related to target setting and climate financing.

By February 2026, the Ministry of Public Works and Housing (MPWH), Bappenas, select city and district level governments and development partners are **aware of and have ownership of research findings on emissions, and initial policy recommendations**, management practices and technologies that can contribute to reduced GHG emissions.

By February 2026, key Indonesian and global sanitation sector stakeholders, including the Intergovernmental Panel on Climate Change (IPCC) and researchers, will **have access to datasets, methods and skills** that improve emissions benchmarking, measurements and responses to support low-emissions and safely managed sanitation.



Summary Scope of Activity

Component 1: Emission data collection

The objectives of Component 1 are to **develop methods for measuring GHG emissions from various sanitation related technologies and processes**, obtain direct measurements of emissions from a representative sample of technologies and processes, analyse and evaluate findings, and develop a dataset that can be used to improve sanitation emissions benchmarking and estimations (e.g. determine emissions factors).

GHG emissions should be sampled/calculated from the technologies and processes of the following systems:

- On-site sanitation systems
- Unmanaged waste
- Decentralised wastewater treatment systems
- Decentralised faecal sludge treatment systems (IPLTs)
- Centralised city wastewater collection and treatment systems



Summary Scope of Activity

Component 2: National estimates

The objective of Component 2 is **to estimate national GHG emissions from the generation and management of domestic wastewater in Indonesia**, considering both present-day and future sanitation development scenarios.

A model-based methodology will be developed based on refinement of existing methods and/or development of novel methods for accurately estimating national emissions.

The methodology will be developed concurrently with Component 1 to inform the nature of the data to be collected. This will comprise of an approach for accounting for the dynamic flows of human waste (e.g. the change in emissions as a containment unit is progressively filled then emptied), aggregating results, and categories of emissions that will be reported.

The methodology for estimating emissions should be replicable so that estimates can be made in other low- and middle-income countries and in Indonesia.



Summary Scope of Activity

Component 3: Policy engagement

The objective of Component 3 is to **establish and cultivate the engagement of key GOI policy stakeholders in research findings**, collect inputs from key stakeholders in the design and implementation of the research, and disseminate findings of the research to maximise impact.

A research advisory group shall be formed, comprised of key relevant stakeholders to meet on a regular (minimum 6 monthly, but more frequently during the beginning of the research phase) basis to obtain advice on the different stages of the activity. This shall include stakeholder mapping to identify key relevant stakeholders (specific staff and directorates, including representation from female and male staff members) amongst target ministries for obtaining essential secondary data and gaining inputs on design and implementation of the research, as well as interpretation of research findings.



Activity Deliverables

Deliverable	Month of Assignment
Inception Report	1
Fraud Control Strategy	1
Operations Manual	2
MEL Framework/Plan	2
Sustainability Action Plan	3
Interim Report	5
Handover Plan	6
Progress report (Monthly Snapshot)	Monthly (10 th day of each month)
Six-Monthly Progress Report	Six-Monthly (15 th of the following month)
Activity Completion Report	Final month of assignment
Sanitation Emissions Dataset	20
Technical Note	22
Sanitation Sector Recommendations Report	22
Sanitation Emissions Policy Summary Paper	23
Journal Manuscript (Sanitation Emissions Production)	24
Journal Manuscript (Sanitation Emissions Reduction)	24



Tentative Activity Timing

Task Name	03/2024	04/2024	05/2024	06/2024	07/2024	08/2024	09/2024	10/2024	11/2024	12/2024	01/2025	02/2025	03/2025	04/2025	05/2025	06/2025	07/2025	08/2025	09/2025	10/2025	11/2025	12/2025	01/2026	02/2026
1. Inception phase	■	■	■																					
2. Component 1: Design of primary data collection sampling methodology		■	■	■																				
3. Component 1: Primary data collection					■	■	■	■	■	■	■	■	■	■	■	■								
4. Component 1: Analysis and writing										■	■	■	■	■	■	■	■	■	■	■				
5. Component 2: Design of national emissions estimations methodology			■	■	■	■	■	■																
6. Component 2: Data analysis and develop national estimate							■	■	■	■	■	■	■	■	■	■	■	■						
7. Component 2: Document and validate national estimate																	■	■	■	■	■			
8. Component 3: Stakeholder engagement with advisory group				■			■				■					■					■			
9. Component 3: Stakeholder engagement on inputs to methodologies				■	■	■	■	■																
10. Component 3: Policy and regulatory analysis, consultation on climate financing									■	■	■	■	■	■	■	■								
11. Component 3: Stakeholder engagement to co-develop policy recommendations																	■	■	■	■	■	■		
12. Component 3: Interim and final policy engagement and socialisation activities on research findings												■	■									■	■	■
13. Activity closing																								■



Staffing



- The Contractor will be required to nominate the structure and assignment of relevant team members for completion of all tasks required under this Activity to the satisfaction of KIAT.
- Tenderers shall propose a team of specialists that encompasses the requirements outlined below including the two specified Team Leader and Deputy Team Leader roles.
- Tenderers are encouraged to make the most cost-effective allocation of resources to achieve the objectives of the activity.
- It is the responsibility of the Tenderer to propose a team composition that will best utilise relevant skills and knowledge for achieving the objective and deliverables of this assignment within the provided timeframe and according to value for money principles.



Team Skill Requirements



- Onsite, decentralised, and centralised sanitation in low and middle-income countries expertise
- Wastewater and faecal sludge treatment processes and emissions expertise
- Data analytics/science, GHG accounting and climate financing expertise
- Indonesian governance, policy and regulation expertise
- Applied and transdisciplinary research expertise
- Monitoring, evaluation and learning (MEL) for applied research expertise
- Gender Equality, Disability and Inclusion (GEDSI) expertise and social safeguards



Procurement Process



Procurement Process Time Frame

Activity	Date
RFT advertisement	21 December 2023
Industry briefing	12 January 2024
Last day of tenderer inquiry	2 February 2024
Last day of responses to tenderer inquiries	5 February 2024
Tender closure (submission deadline)	9 February 2024
Evaluation, negotiation and contracting	February - March 2024
Contract/activity commencement	March/April 2024



Tender Submissions

Organisations must submit complete tender documents by email to tender.box@kiat.or.id on or before 9 February 2024 Friday (23:59 WIB GMT+7), including:

Technical Submission (submit in PDF):

- 1) Cover Letter of Technical Proposal
- 2) Tender Declaration
- 3) Organisation information/consortium information including financial statements
- 4) Tenderer's Conformity List
- 5) A Technical Proposal of *up to 30 pages* (excluding attachments and annexes outlined in this list) that addresses the Description of Services and each of the evaluation criteria
- 6) Annexures:
 - a. Specified Personnel Table
 - b. Specified Personnel CVs (*maximum 4 pages per CV; 2 referees per CV*)
 - c. Organisation's Relevant Past Experience (*submit up to 10 relevant past experience; 2 referees and max 2 pages per past experience*)
 - d. Work Plan
 - e. Team Member Inputs (Staffing Schedule)
 - f. Risk Register
 - g. Mobilisation Plan (*maximum 5 pages*)
 - h. Due Diligence Preliminary Partner Statement Form
 - i. Comments on the subcontract template as attached at RfT Annex 2 (any such comment and/or feedback must be provided by the tenderer as annex to the technical proposal)



Tender Submissions

Financial Proposal:

- 1) Financial proposal cover letter
- 2) Price Tables 1-9

Financial proposal must be expressed in Australian Dollars.

All Financial Proposal documents must be submitted in PDF.

Price Tables 1-8 must also be submitted in a single Excel workbook file (ie, each table should have a worksheet and titled accordingly). In case of a discrepancy between PDF and Excel tables, the PDF tables will take precedence.

The upper budget limit is AUD 2,200,000 (two million two hundred thousand Australian Dollars) excluding VAT/GST.



Tender Submissions

- Technical Proposal and Financial Proposal must be submitted in separate emails.
- If the proposal file size is above 10MB, tenderers can split it into different emails during submission
- There is a risk of late proposal because of heavy email traffic during last minutes of submission, therefore please plan your submission with time to spare.



Proposal formatting requirements:

Font type: Calibri, regular

Font size: 11

Line spacing: single



Tender Evaluation Criteria (Technical Proposal)

No.	Criteria	Max. score	Max. total
1.	Organisation's Experience and Capabilities: Relevant project experience of the tenderer and ability to effectively manage and deliver tasks of the activity.		20
A.	The tenderer's past sector experience relevant to the Description of Services (DoS) and requirements of the activity. Established track record of research publications and/or research projects on safely managed sanitation in low and middle-income country contexts (including Indonesia), and with access to research ethics approval processes.	15	
B.	The resources the tenderer will make available to effectively deliver the activity. This includes the tenderer's ability to provide appropriate corporate support, quality assurance and required activity personnel.	5	



No.	Criteria	Max. score	Max. total
2.	Approach and Methodology: Adequacy of the proposed methodology and work plan for the activity.		35
A.	The tenderer's understanding of the objectives of the activity and challenges associated with its implementation, as demonstrated by the tenderer's critique of the DoS (appreciation of the task).	5	
B.	<p>The tenderer's strategic and practical approach to deliver the outputs and achieve the outcomes of the activity within the specified timeframe and budget. This includes procedures or innovative approaches the tenderer proposes to use to help fulfill the activity outcomes and manage key risks. Approach to design and implementation of GHG emissions measurement should be methodically considered in the technical proposal.</p> <p>Specific consideration should also be given to the following:</p> <ul style="list-style-type: none"> • Integrating climate resilience and GEDSI in the delivery of the activity • Approach for institutional strengthening/capacity development and knowledge transfer • Approach to develop and implement a robust monitoring, evaluation and learning framework for the activity • Approach to ensure the sustainability of the activity. 	25	
C.	A comprehensive, results-oriented and realistic work plan to achieve the activity outputs and outcomes.	5	



No.	Criteria	Max. Score	Max. Total
3.	Personnel: Key professional staff and team management for the activity. The tenderer will propose a team of appropriate composition, size and inputs for the research task, including the skills/expertise and roles specified in the Description of Services.		45
A.	Team Leader (ARF position open to Indonesian national and international candidates)	10	
B.	Deputy Team Leader (Indonesian national)	7	
C.	Positions relating to: <ul style="list-style-type: none"> • Onsite, decentralised and centralized sanitation in low and middle-income countries expertise • Wastewater and faecal sludge treatment processes and emissions expertise • Data analytics/science, GHG accounting and climate financing expertise • Applied and transdisciplinary research expertise. 	15	
D.	Position/s relating to: <ul style="list-style-type: none"> • Indonesian governance, policy and regulation expertise. 	3	
E.	Positions relating to: <ul style="list-style-type: none"> • Monitoring, evaluation and learning (MEL) for applied research expertise • Gender Equality, Disability and Inclusion (GEDSI) expertise and social safeguards. 	5	
F.	Team Management and Approach The proposed team has a diverse, well-balanced and integrated structure with all necessary expertise and a clear management framework.	5	



Tender Submissions

Proposed Personnel: Tenderers will propose a core team of specialists encompassing the key expertise listed above. The tenderer may propose a different quantity of input for the key positions. Also, the tenderer may propose additional roles (or a combination of roles) depending on its proposed approach to effectively deliver the services and achieve the project objectives.

Evaluation: The technical to financial evaluation ratio is 80:20 for the assessment of tenders. A tender must meet a minimum technical score of 70% to proceed to financial assessment. For technical evaluation, the Procurement Evaluation Committee will make its recommendations based on the evaluation of tenders against the afore-cited evaluation criteria.

RfT: The RfT documentation (including briefing minutes, RfT amendments and responses to tenderer questions) are all posted on the KIAT website. If you have tender inquiries, email Procurement@kiat.or.id by 2 February.

Tender Clarification: At any stage, KIAT may ask a tenderer to clarify or provide additional information relevant to the submitted tender.

Industry Briefing Minutes: For questions raised by the potential tenderers today, KIAT will issue formal briefing minutes within five working days, which will be published on the KIAT website. Should there be any inconsistency between information provided during the industry briefing and the briefing minutes, the information contained in the briefing minutes is to take precedence.



Question and Answer





Thank you

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