

1. Introduction

Hivos has developed a Voluntary Gold Standard Programme of Activities for biogas projects targeting rural households in Indonesia. Climate Focus prepared the project design documentation for the PoA and the VPA entitled “Indonesia Domestic Biogas Programme of Activities (IDBP) (ID 1172), VPA-1 (ID 1174)” which was successfully validated by TUV Rheinland and is registered under the Gold Standard. The PoA is based on the GS methodology Technologies and Practices to Displace Decentralized Thermal Energy Consumption TPDDTEC, version 1.0. In January 2019 the PoA was transitioned to the Gold Standard for the Global Goals (GS4GG).

Under VPA1 20,253 biodigesters have been installed between 24/10/2009 (registered retroactively) and 31/12/2016. In 2016 a second VPA (“Indonesia Domestic Biogas Programme of Activities (IDBP) (ID 1172), VPA-2 (ID 5303)”) was included in the PoA which will cover biodigesters installed from 01/01/2017 onwards.

During the first crediting period of VPA-1 emission reductions were successfully verified from 31 May 2011 to 30 May 2018 (6 monitoring periods; 6 issuances). Since 1 January 2017 monitoring and verification of emission reductions has been combined with those under VPA-2. Following an annual MRV cycle (monitoring period from 1 January to 31 December), with guidance from Climate Focus, has proofed a solid procedure. This has consistently led to issuance of VERs between September and November each year.

In 2020 Hivos Global has invited Yayasan Rumah Energi to be the co-applicant of the monitoring and verification of emission reduction to Gold Standard. YRE had been involved in the development, monitoring, evaluation and assisting the Biogas User Survey (BUS) annually. Starting from 2021 onwards, the management of carbon credits will be handed over to YRE as the field implementor.

Each year a carbon monitoring and user survey, including a usage survey, is conducted. Fuel consumption is measured by the Kitchen Performance Test (Baseline and Project Fuel Test). The results from the Baseline Fuel Test are valid for an entire crediting period¹. The results from the Project Fuel Test need to be updated after 24 months. As the last Project Fuel Test was conducted in December 2019, the results from this Test can be used for verification of emission reductions in 2021.

¹) as defined in VPA1-DD CP2. According to VPA2-DD these need to be updated after 24 months.

YRE seeks assistance for the monitoring and verification of emission reductions in the monitoring period 1 January – 31 December 2020.

2. Scope of Work

The support services requested in relation to the monitoring and verification of emission reductions in this Monitoring Period shall include the following:

- Review methodological proposal for Carbon Monitoring and Biogas User Survey and Usage Survey (including sampling method and survey tools)
- Review Biogas User Survey report
- Assist with identification and selection of the Validation & Verification Body, VVB (formerly known as Designated Operational Entity, DOE)
- Drafting of the Monitoring Report for both VPA1 and VPA2 using the template from Gold Standard for the Global Goals (either two reports or combined in one report, whichever is most convenient)
- Preparation of the emission reduction calculation spreadsheet
- Reply to VVB comments
- Follow up with VVB and SustainCert (formerly GS) to keep track on the progress of result
- Reply to SustainCert comments after a 4-week review period.
- Prepare an update of PDD of PoA and VPAs with adapted monitoring plan to Rule Update for usage survey requirements published by the Gold Standard on 27 October 2020.
- Communicate intensively with YRE and the third party as necessary

3. Deliverables

The Consultant assignment will submit the following deliverables:

- a. **IDBP Monitoring Report to be presented and submitted to YRE by 26th of February 2021 (draft report by 26 February 2021, revisions to incorporate changes requested by VVB and SustainCert during the contract period, up to issuance of VERs).**
- b. Technical assistance related to the Biogas User Survey (BUS) results and emission reduction calculation will be done continuously within the contracting period.
- c. Updated PoA-DD, VPA1-DD, VPA2-DD with adapted monitoring plan, ready for submission along the Monitoring Reports to SustainCert/Gold Standard (including revision to incorporate changes requested by VVB and SustainCert, if applicable).

4. Qualification:

Both national and international Individual consultant and a consulting firm (“Consultant”) are invited to lodge their bids for the project. The consultant is expected to have the following qualifications:

1. A master degree in the field that is relevant to the objective of the study including but not limited to engineering, finance, environmental studies, energy, etc.
2. At least 10 (ten) years of experience in conducting emission reduction monitoring and verification under Gold Standard SDG
3. Excellent oral and report writing in English

5. Location of Assignment

Considering Covid-19 situation, the study will be maximizing remote and online outreach to relevant stakeholders and obtaining data/information required as effective as possible.

7. Contract Period

The contract period is from 20th of December 2020 to 31st of October 2021, with on distance support to VVB (DOE) on-site visit tentatively foreseen in April 2021.

8. Request for Proposal

The consultant is invited to present a proposal for this service, by email, before 12 of December 2020 to hrd@rumahenergi.org