

TEMPLATE

POA - DESIGN CONSULTATION REPORT

PUBLICATION DATE **05.05.2022**

VERSION **2.0**

This is a report template to be used for filling the information pertaining to PoA Design Consultation conducted in line with the [Stakeholder Consultation and Engagement Requirements](#).

KEY PROJECT INFORMATION

GS ID of PoA	GS12063	
Title of PoA	HomeBiogas Programme in Kenya	
GS ID (s) of real case VPA (s) submitted at PoA Preliminary Review	GS 12064	
GS ID (s) of regular VPA (s) submitted at PoA Preliminary Review	NA	
The version number of the DCR	1	
Completion Date of version	20/12/2022	
Time of First Submission Date	11/01/2023	
Design Consultation	Start date	06/09/2022
	End date	05/10/2022
Date of any Physical Meeting (s) – please mark N/A if none were held	NA	

SECTION A. DESIGN OF STAKEHOLDER CONSULTATION

A.1. Description of the consultation methods used

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The physical consultation was conducted electronically. The stakeholders identified are Local policymakers and representatives of local authorities, National government officials, Local non-governmental organisations (NGOs), Gold Standard representative and Relevant international Gold Standard NGO Supporters, other project owners etc.

The PoA non-technical summary with program design was shared with all identified stakeholders thorough email and requested to provide comments on the program design. This was open for 30 days for the comments.

There was also physical stakeholder consultation conducted at PoA level including the VPA1. The details of the physical stakeholder consultation are provided in the VPA stakeholder consultation reprot.

A. 2. Information made available to stakeholders

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The Key project information shared with stakeholders are below:

POA FOR CLEAN COOKING BY HOMEBIOGAS

NON-TECHNICAL SUMMARY

The purpose of this Program of Activities under Gold Standard is the dissemination of biogas stoves in rural households of the Kenya, thereby replacing inefficient traditional stoves, thus reducing non-renewable biomass consumption and other fossil fuel used for cooking such as Kerosene and LPG. These activities are implemented by Homebiogas in Kenya and this programme will be registered under Gold Standard. This consultation is part of the certification procedure according to the criteria of the Gold Standard, a foundation in Switzerland that certifies projects saving greenhouse gas emissions, and PoA contribution to UN's sustainable development goals.

TECHNOLOGIES CONSIDERED:

Introduction of household bio-digester along with the stove or geyser is expected to displace the use of non-renewable biomass and/or other fossil fuel. The bio-digester will utilize cattle dung and convert it into renewable energy by means of anaerobic digestion of the waste. In each household, a family-size biodigester together with a biogas-based

cooking stove or geyser will be installed. The VPAs under the PoA can use any type of family size bio-digester (e.g.: Portable HDPE biogas units, FRP biogas units, Balloon type biogas units, Deenabandhu models etc). The capacity of the biodigester will be 2-3m³ depending on the need of the family. The biogas unit size for a particular household will be chosen based on various parameters such as cooking requirement, family size, cattle availability, etc. The digester will be fed with cattle dung and water or wastewater on a daily basis. The dung and water/wastewater remain in the chamber for approximately 40 days and breaks down anaerobically producing biogas. This biogas builds up above the slurry and remains in the chamber until it is released through the gas outlet pipe at the top of the digester when the gas burner in the household is turned on (the pipe at the top of the biodigester leads to the cooking stove or geyser in the household). The biodigester also produces slurry which is pushed into the outlet as the biogas builds up in the digester and finally exits through the slurry discharge. The spent slurry is nutrient rich and therefore can be used organic manure by the farmers.

GEOGRAPHIC SPREAD:

The activities under the programme will be implemented within Kenya.

TARGET PEOPLE:

The biodigester will be given to households where the fuel wood and/or other fossil fuels (Kerosene, LPG etc) are used for cooking in the baseline condition.

TIMELINE:

March 2022: Program conception

May 2022: Engagement of consultant for GS registration

August 2022: Implementation of first digester under the first VPA

August-Sep 2022: Design consultation (Proposed)

September 2022: Physical Stakeholder consultation meeting (Proposed)

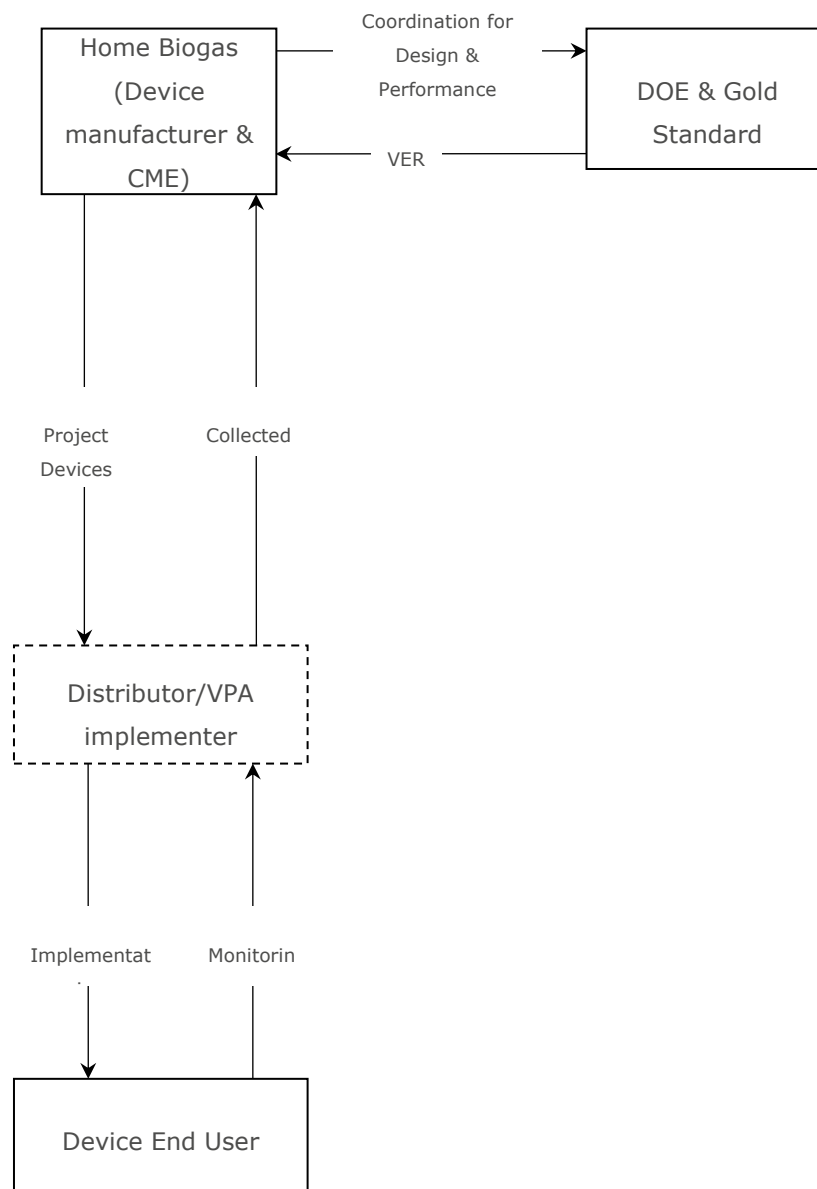
IMPLEMENTATION PLAN:

The PoA is a voluntary initiative of HomeBiogas, who will act as Coordinating and Managing Entity (CME). The CME will provide fund and involve in implementation of all the VPAs under the POA directly or with the help of an implementation agency. HomeBiogas will coordinate GS-related activities, particularly coordinating the PoA registration and monitoring. Partners will be in charge of implanting bio-digesters.

The CME, will be, inter alia, the actor responsible for

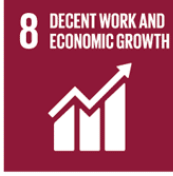
- including VPAs, confirming that all eligibility requirements are met
- channeling funding for stove procurement
- coordinating and managing the implementation of the monitoring plan,
- coordinating with a DOE for design certification and performance certification.

The following diagram represents the currently planned management structure of the PoA applicable. This structure may still be amended and adapted for each VPA.



CONTRIBUTION TO SUSTAINABLE DEVELOPMENT:

The PoA will also contribute to the following sustainable development goals

	Access to basic services, ownership and appropriate new technology - The project devices to each household is more efficient and required less maintained compared to the baseline stove. Therefore, each household participating the project activity will not only have an access to clean cooking devices but will also have less maintenance. The biogas units will be fully owned by each household participating in the proposed project activity.
	The use of biogas for daily cooking needs will directly replace the firewood, which has been a principal cause for indoor air pollution. Therefore, the project activity will reduce the number of deaths and illnesses from indoor air pollution by providing access to clean cooking technologies. The women will specifically benefit from the project activity due to clean environment for indoor cooking and also reduce the burden to collect/buy firewood for cooking.
	The proposed project activity will provide clean cooking units for each participating household; therefore, it directly ensures access to an affordable, reliable and cleaner form of energy for daily cooking demand of each of these households.
	The PoA will create number of temporary and permanent jobs in the project region. The programme will also train many local people in biogas technology. The trained biogas technicians will be permanently employed by the CME/VPA implementer.
	The PoA will reduce GHG's emissions by two approaches, firstly by replacing the use of firewood with biogas for daily cooking needs. Secondly using the available animal dung in the biodigester, which otherwise would have dumped and left to decay leading to methane emissions.
	The project beneficiaries are highly dependent on firewood for daily cooking. The use of the biogas for cooking will reduce the use of firewood and decrease in the use and demand of wood, which will eventually lead to sustainable forests in the project area.

A.3. Invitation/consultation tracking table

Please use the category codes as per the POA requirement section in the [Stakeholder Consultation and Engagement requirements](#).

Category Code	Organisation (if relevant)	Name of invitee	Method of invitation	Date of invitation (>30 days before any e-consultation)
A	MOE	Paul Mbuti	Email	06/09/2022
A	Ministry of Agriculture Livestock Fisheries and Cooperatives	-	Email	06/09/2022
A	Ministry Of Environment And Forestry	-	Email	06/09/2022
B	National Environment Management Authority	Anne Nyatichi Omambia	Email	06/09/2022
B	National Environment Management Authority	Mamo Boru Mamo	Email	06/09/2022
C	Clean Cooking Alliance (CCA)	Michelle Njoroge	Email	06/09/2022
C	Clean Cooking Alliance Kenya (CCAK)	Mariam Karanja	Email	06/09/2022
C	World Bank	Caroline Adongo Ochieng	Email	06/09/2022
C	KOSAP	Rodney Sultani	Email	06/09/2022
C	InfracAfrica	Beatrice Muthoni	Email	06/09/2022
C	Stockholm Environment Institute	-	Email	06/09/2022
C	The African Development bank (AfDB)	-	Email	06/09/2022
C	Kenya Biogas Programme	-	Email	06/09/2022
C	GiZ	Anna Ingwe	Email	06/09/2022
C	SNV	Patrick Sigei	Email	06/09/2022
C	Kenya Climate Innovation Center	-	Email	06/09/2022
D	Gold Standard	help@goldstandard.org	Email	06/09/2022
E	Global Offset Research	siddharth Yadav	Email	06/09/2022

E	CEDESOL	David Whitfield	Email	06/09/2022
E	Lean Management Systems Promotion Society	Raave Jain	Email	06/09/2022
D	Israel embassy	Joanah Wanjiku	Email	06/09/2022
-	World Agroforestry Centre	Mary Njenga	Email	06/09/2022
-	Kenya Forestry Research Institute	-	Email	06/09/2022
-	Kenya Agricultural & Research Organization	-	Email	06/09/2022
-	World Agroforestry Centre	Mary Njenga	Email	06/09/2022
-	Climate Impact Partners	Tim Cowman	Email	06/09/2022
-	Carbon Africa Limited	-	Email	06/09/2022
-	Inclusive Energy	Jelte Harnmeijer	Email	06/09/2022
-	KIRDI	Nathan Bogonko	Email	06/09/2022

SECTION B. OUTCOME OF THE CONSULTATION PROCESS

B.1. Assessment of comments received

Organization	Stakeholder comment	Was comment taken into account (Yes/ No)?	Explanation (Why? How?)
Kenya Biogas Program, ABPL	I am only concerned that the name of the program is a direct copy of the program we have run as ABPL over the last 7 years, and whose carbon activities are still ongoing. HomeBiogas is much aware that we have been implementing "Kenya Biogas Program" (https://kenyabiogas.com/), with this	Yes	We concern was genuine as the program name was similar to their PoA.

	new program taking that name , we foresee a reputational risk to our long built brand of "Kenya Biogas Program" in the event any issues arise with your intervention or clients. It would therefore be prudent for Homebiogas to consider twisting that name to be notably different from our program brand name, so as to eliminate any chance of conflict or confusion in the future, as we all know farmers and the local stakeholders would not tell the difference.		
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B.2. Summary of changes to the Programme design based on stakeholder feedback received.

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Based on the above comment, the CME changed the program name to 'Homebiogas Program in Kenya' from 'Kenya Biogas Program by Homebiogas' and the same was intimated to the Kenya Biogas Program, ABPL

Revision History

Version	Date	Remarks
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2.0	05 May 2022	Stakeholder Category codes added Further instructions on required information to be shared with stakeholders added Revisions in line with the revisions to Stakeholder Consultation and Engagement Requirements
1.1	14 October 2020	Addition of version history table Removal of Section A which repeats information in the POA-DD Clarification on reporting information made available for stakeholders Clarity on the minimum period for invitation and consultation and that follow up is necessary for e-consultations The clarity that a GS representative should be invited
1.0	10 July 2017	Initial adoption