

Information Sheet for the Gold Standard Microscale Programme of Activities

Intervention type	Programme of Activities <input checked="" type="checkbox"/> Project Activity <input type="checkbox"/>
Title of the PoA	Improved Cookstove Distribution Across Rural Parts of India
Coordinating and Managing Entity	Value Network Ventures Advisory Services Pte. Ltd.
Date of Local Stakeholder Consultation meeting and Design Consultation Period	LSC: July 30, 2022 (Telangana); August 26, 2022 (Madhya Pradesh) DC: 29/06/2022 to 28/08/2022
Scope of Meeting	Programme information sharing & sensitization Local Stakeholder Consultation and Design Consultation
Applicable GS standard	GS4GG Principles and Requirements (version 1.2) GS4GG Stakeholder Consultation and Engagement Requirement (version 2.1) GS4GG Community Services Activity Requirements (version 1.2)

Key Project Information

SN	Particulars	Description
1	Project Developer or Coordinating and Managing Entity	Value Network Ventures Advisory Services (VNV) is a social enterprise based in Singapore and working with communities for community-based solutions to climate change mitigation.
2	Non-technical Summary of the Project	The PoA involves providing access to clean and affordable cooking services in various states of India (in particular, poor rural households / urban slum dwellers and SMEs like community kitchens, mid-day meal programs etc.) through dissemination of improved, energy efficient improved cookstoves (ICS) replacing use of traditional / non efficient biomass cookstoves. The reduction in biomass fuel consumption will result in reduction of greenhouse gas emissions associated with use of non-renewable biomass. The PoA ICSs part will significantly reduce the biomass fuel consumption for project stove users by virtue of their high thermal efficiency as compared to traditional three stone fired / conventional cookstoves (baseline). Besides, the indoor air pollution (emission of Particulate matter, black carbon, smoke, GHGs etc.) associated with traditional cooking practices will also be reduced due to use of improved cooking. The primary beneficiaries of the project will be poor women and children since they are disproportionately affected by indoor air pollution association with traditional forms of cooking.

3	Project Related Impacts	<p>The PoA will contribute to various dimensions of sustainable development. The project contributes directly in achieving the SDG#3&7 in addition to SDG#13 as required by Principle-1 of GS4GG.</p> <ul style="list-style-type: none"> • Environmental Benefits: Reduction in firewood consumption and emission of greenhouse gases, forest and biodiversity conservation (SDG#13). • Health Benefits: Sufficiently enhance indoor air quality thereby improving health of women and children and reducing incidences of smoke and fire related injuries (SDG#3). • Social Benefits: Ensure access to affordable, reliable, sustainable and modern energy for all (SDG#7). <p>It will reduce the exposure of the family members, specifically women, to the air pollution and therefore result in saving of health-related expenses. Each ICS disseminated under the project will potentially reduce the biomass consumption which in turn will reduce CO2 emissions. Pamphlets in local language related to the project's key information have been distributed to the stakeholders for ease of understanding the project activity & project's equipments.</p>
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Project Technology:

The VPA includes dissemination of improved cook stove (ICS). It includes improved efficiency, natural draft biomass fired cookstoves. The natural draft stove is a unique solution for cooking. It produces clean and efficient heat without specialized fuels and with minimum smoke. Its scientific design is such that it draws fresh air into the combustion chamber along with wood gas resulting into cleaner, hotter and more efficient heat with very less smoke. Wood combustion air is driven into fire pot to create wood-gas (smoke). This occurs in the gasification zone. This Natural Draft Stove gives high performance at a low cost, making it the most economical solution that has no adverse health effects. The technical specification of the stove model that will be disseminated under the VPA is given below:

Sr. No.	Stove model	AGNEEKAA EcoMini cookstove, Model 4
1.	Cook Stove Type/Category	Natural Draft, Fixed and front feeding
2.	Efficiency	28.42%
3.	CO	3.26 g/MJd
4.	PM	0.31 g/MJd
5.	Fuel consumption	1.02 kg/h

6.	Application / service level	Domestic cooking	
7.	Secondary Air Supply	Through Natural Draft	
8.	Stove material used	Body	CRCA Sheet
		Body Material Thickness	0.6mm
		Combustion Chamber	Stainless Steel SS 202 2B grade
		Combustion Chamber Material Thickness	1 mm SS 202 2B grade
		Insulating Material	Ceramic Thermal Wool
		Insulating Material Thickness	6 to 8mm
		Top Plate	Stainless Steel SS 202 Mirror grade
		Top Plate Material Thickness	1 mm
9.	Physical Structure	External Dimension	Length :- 260mm
			Width :- 260mm
			Height :- 248mm
		Combustion Chamber Dimension	Diameter :- 125mm
10.	Grate Thickness	2 mm Material HR sheet	
11.	Wight Of the Stove	3.3 Kg	
12.	Type of Fuel Wood	Firewood 30 to 50 mm diameter, agro waste, cow dung cakes, corn stalks, coconut shell	
13.	Feeding Process	Continuous Feeding Front Loading	
14.	Expected life of stove	7 Years	
15.	Guarantee / Warranty Period	1 Years	
16.	Box Dimension	Outer Side Box Dimension	Length :- 300mm
			Width :- 300mm
			Height :- 270mm

Contact Details

In order to receive any further information regarding the project, stakeholders are requested to contact at the following addresses:

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