



Grameen Shakti | Devoted to Create Access to Energy



Sohel Ahmed
Managing Director
Grameen Shakti
Bangladesh



Presentation is part of the Proceedings of Side Event of UN HLPF 2020

http://www.inforse.org/INFORSE_at_HLPF2020.php and

<https://sustainabledevelopment.un.org/index.php?page=view&type=20000&nr=7102&menu=2993>

INFORSE and Grameen Shakti

Grameen Shakti is Country **Focal Point** of **INFORSE** as well as one of the **Founders** for **INFORSE-South Asian Chapter**

Grameen Shakti, in association with INFORSE is implementing “**Eco-Village Development**” Project in Bangladesh, Since 2015. This is multi-country project comprises of Bangladesh, India, Nepal & Sri Lanka



HIGH-LEVEL POLITICAL FORUM
ON SUSTAINABLE DEVELOPMENT

UN HLPF2020 Side Event: July 15, 2020, INFORSE: Local Climate & Sustainable Energy Solutions, South Asia, East Africa, Eco-Village Development, 100% Renewables

Grameen Shakti



Grameen Shakti was established in **1996** as a Not-for-profit company by Nobel Laureate

Prof. Muhammad Yunus with the Objective of providing **Access to Energy** to the rural people of Bangladesh



HIGH-LEVEL POLITICAL FORUM
ON SUSTAINABLE DEVELOPMENT

UN HLPF2020 Side Event: July 15, 2020, INFORSE: Local Climate & Sustainable Energy Solutions, South Asia, East Africa, Eco-Village Development, 100% Renewables

Key Milestones

Solar Home System



1,80,0000

units installed

33% Share
in Bangladesh

25% Share
In the World)

Improved cooking stove



1,000,000

units installed

35% Share
in Bangladesh

Biogas Plant



35,000

units installed

40% Share
in Bangladesh



**HIGH-LEVEL POLITICAL FORUM
ON SUSTAINABLE DEVELOPMENT**

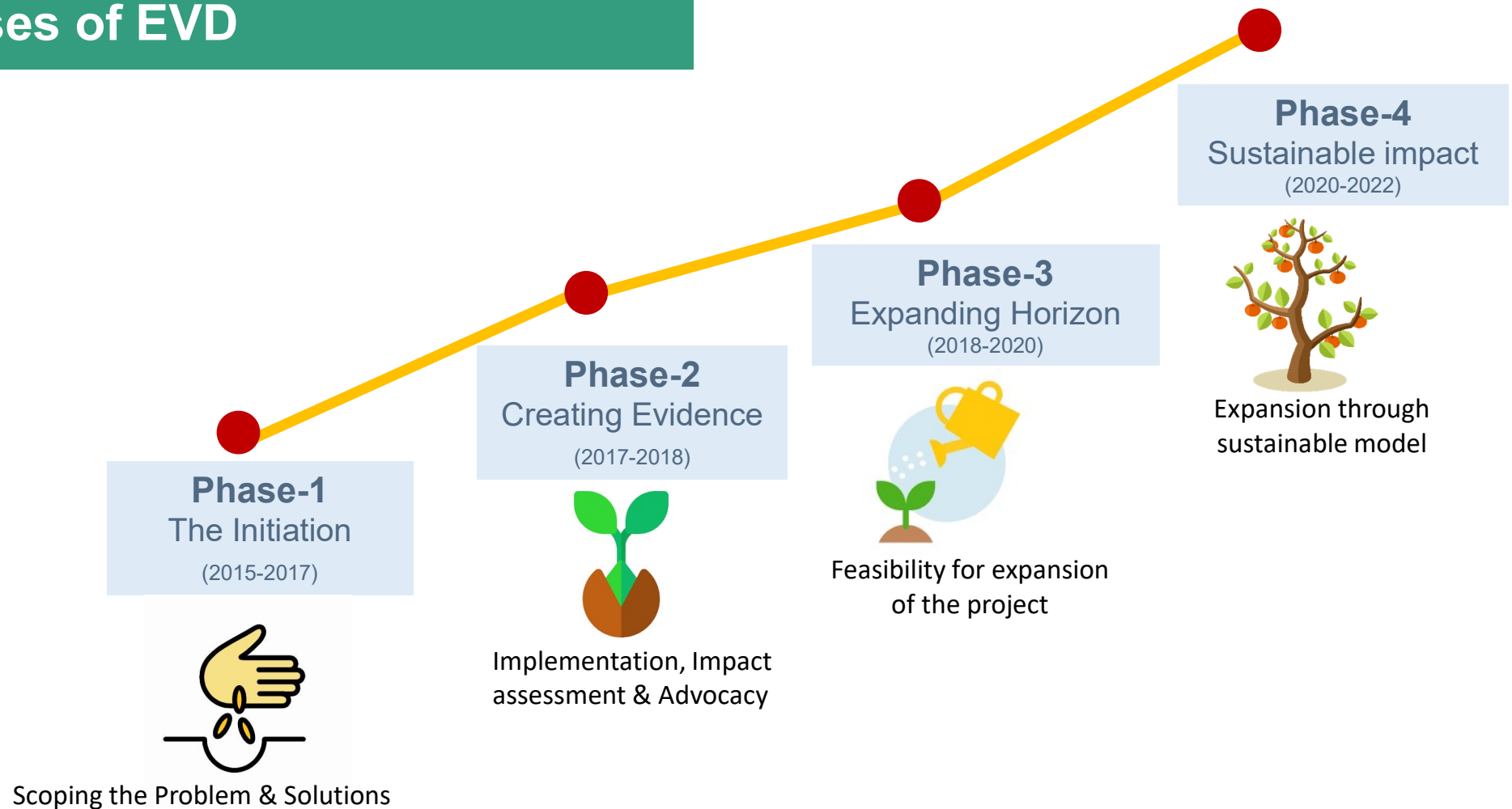
UN HLPF2020 Side Event: July 15, 2020, INFORSE: Local Climate & Sustainable Energy Solutions, South Asia, East Africa, Eco-Village Development, 100% Renewables

Eco-Village Development

Eco-village Development (EVD) is an integrated socio-economic development concept, in which Individual Solution combines in clusters to provide synergic benefit to the **COMMUNITY**



Phases of EVD



**HIGH-LEVEL POLITICAL FORUM
ON SUSTAINABLE DEVELOPMENT**

UN HLPF2020 Side Event: July 15, 2020, INFORSE: Local Climate & Sustainable Energy Solutions, South Asia, East Africa, Eco-Village Development, 100% Renewables

EVD Solutions

Problem	Solution
Access to clean drinking water	Solar power pump (drinking water)
Access to Electricity	Solar Street Light
Environment Pollution	Biogas plant with Low cost Bamboo made slurry pit
Inefficient cooking	Retained Heat cooker



HIGH-LEVEL POLITICAL FORUM
ON SUSTAINABLE DEVELOPMENT

UN HLPF2020 Side Event: July 15, 2020, INFORSE: Local Climate & Sustainable Energy Solutions, South Asia, East Africa, Eco-Village Development, 100% Renewables

Problem, Solution & Impact

Access to Energy

Solar Home System

Remote electrification

Education

Income generation

GHG Reduction

Women Empowerment

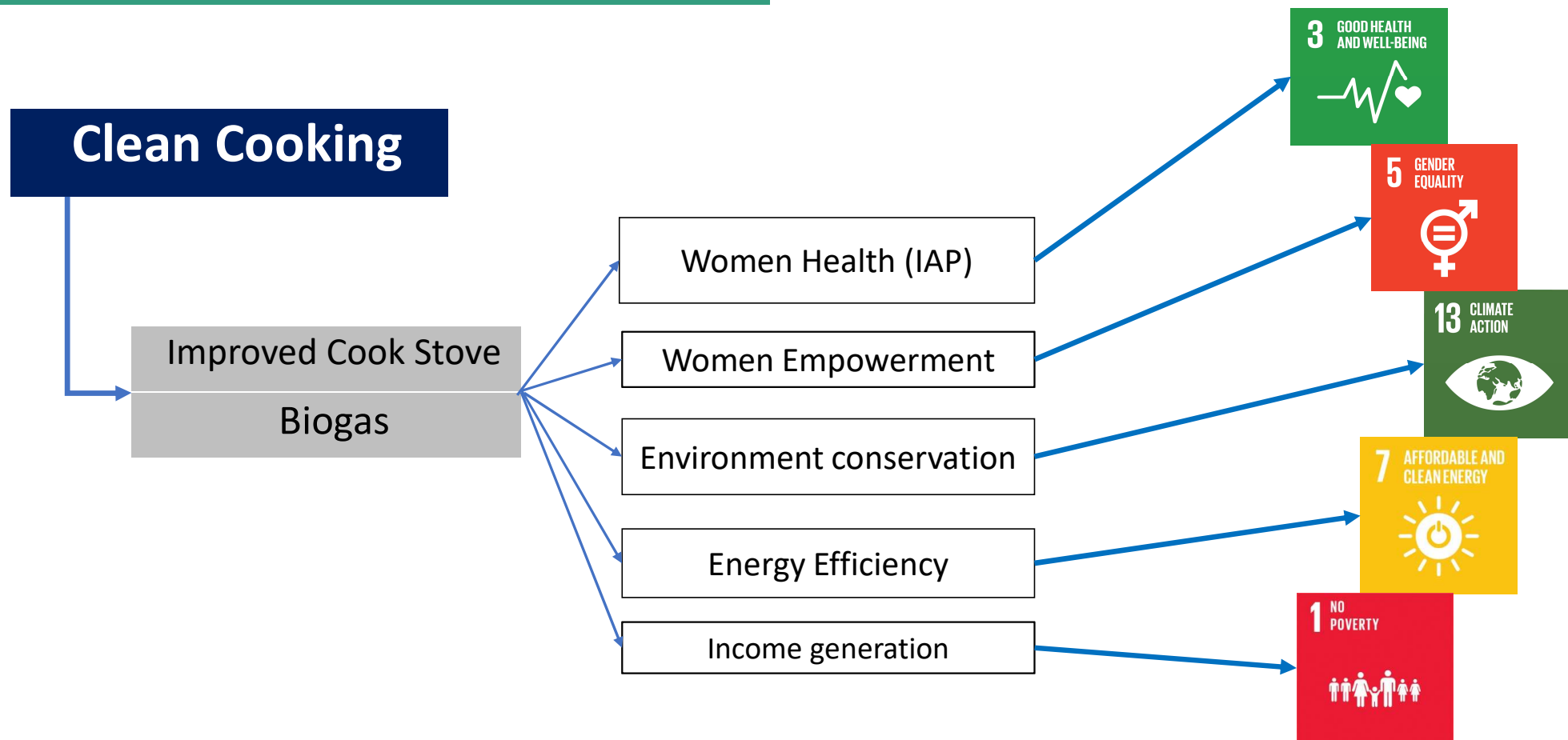
Technology Access



HIGH-LEVEL POLITICAL FORUM
ON SUSTAINABLE DEVELOPMENT

UN HLPF2020 Side Event: July 15, 2020, INFORSE: Local Climate & Sustainable Energy Solutions,
South Asia, East Africa, Eco-Village Development, 100% Renewables

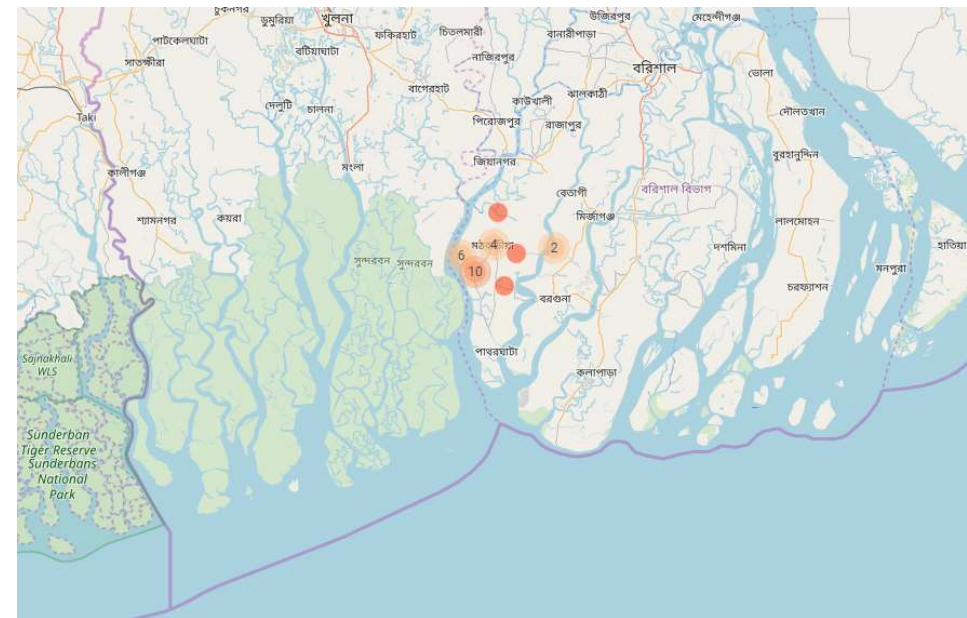
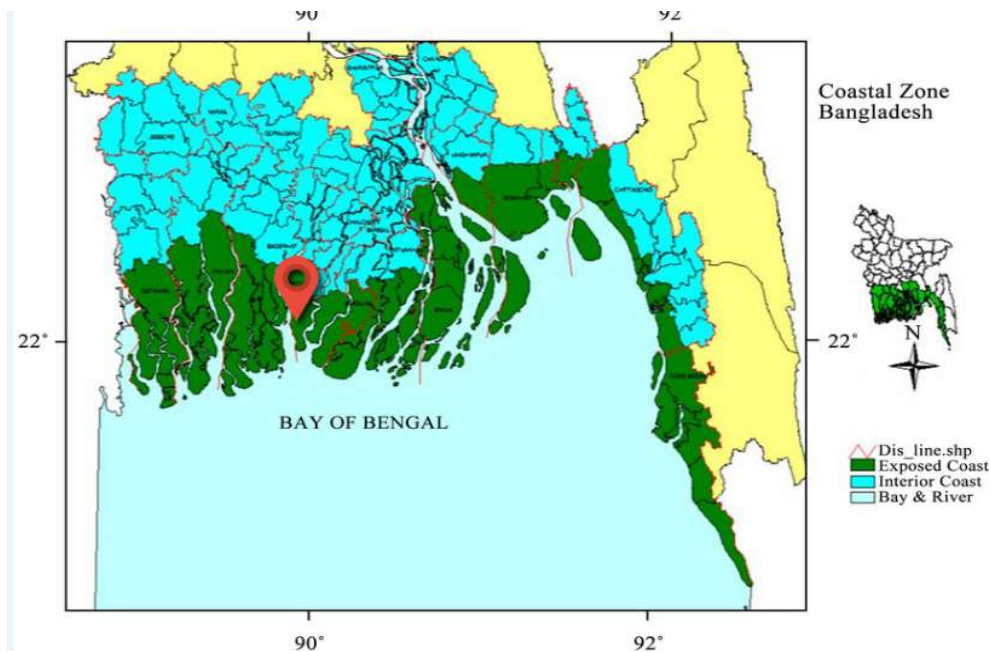
Problem, Solution & Impact



Feasibility Study of EVD Concept

Objective : Test the viability of the EVD solutions in the coastal zones of Bangladesh

Scope : Feasibility study of different EVD solution in the climate vulnerable coastal zone of Bangladesh



HIGH-LEVEL POLITICAL FORUM
ON SUSTAINABLE DEVELOPMENT

UN HLPF2020 Side Event: July 15, 2020, INFORSE: Local Climate & Sustainable Energy Solutions, South Asia, East Africa, Eco-Village Development, 100% Renewables

Key Salient Features



Focused Group Discussion (FGD)



Key Informant Interview (KII)



**HIGH-LEVEL POLITICAL FORUM
ON SUSTAINABLE DEVELOPMENT**

UN HLPF2020 Side Event: July 15, 2020, INFORSE: Local Climate & Sustainable Energy Solutions, South Asia, East Africa, Eco-Village Development, 100% Renewables

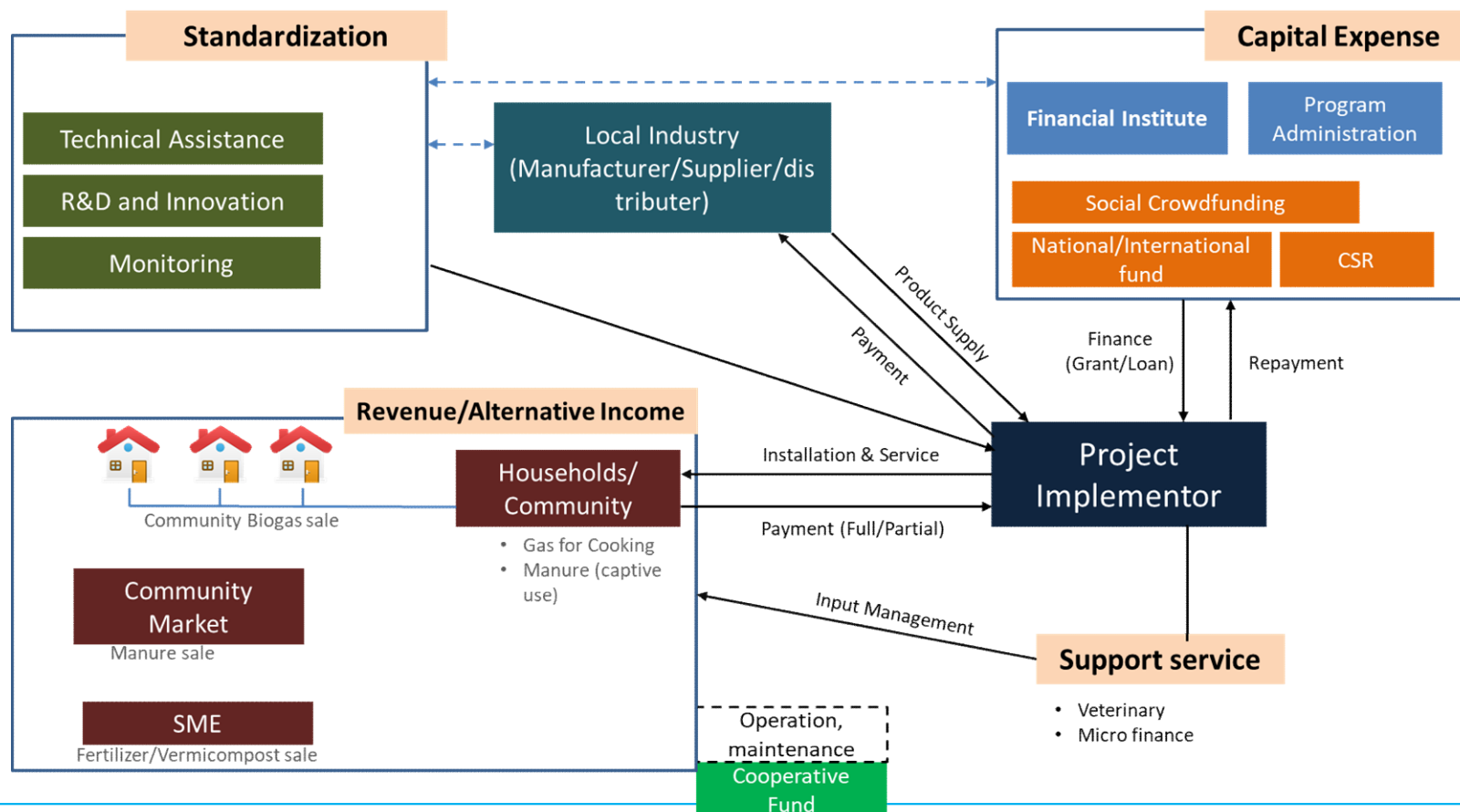
Sustainable Impact

Social Enterprise Model will facilitate :

- To attain a Social Objectives
- Disseminating product/solution in Sustainable way through
 - maximizing benefits (economic & alternative value)
 - Links society/community and the environment.
 - Involve beneficiaries at the operation level
 - Incorporate revenue generation from EVD solutions
 - Cover expense through the operational markup
 - Assess possibility of paying back investment
 - Replicable in modular fashion
 - Easy and sustainable for other operators to involve
 - Not fully dependent on grant or subsidy at a longer term



Social Enterprise Model Bio-Gas



Sustainable Impact

Key Features of Social Enterprise Model



**Revenue
Generation**



**Market
Linkage**



**Cooperative
Fund**



**CAPEX/OPEX
optimization**



Thank You

sohel.ahmed@gshakti.org

+8801713048962

More information: www.inforse.org/asia/EVD.htm



**HIGH-LEVEL POLITICAL FORUM
ON SUSTAINABLE DEVELOPMENT**

UN HLPF2020 Side Event: July 15, 2020, INFORSE: Local Climate & Sustainable Energy Solutions,
South Asia, East Africa, Eco-Village Development, 100% Renewables