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Biogas: The Missing Piece in the Renewables Puzzle in Pakistan

Pakistan Private Sector Energy Project



UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION



REEEP[®]

Roundtable Discussion via Zoom

16 December 2021

14:00 – 16:30

(Pakistan / UTC+5)

[Click here to join
the meeting](#)

Meeting ID: 910 2335 8101

Passcode: 1

No need to register, just kindly confirm your participation
RSVP and queries: S.NOCELLIPAC@UNIDO.ORG

Objectives

- To establish relationships with biogas project developers in Pakistan
- To identify opportunities, challenges and lessons learned in the biogas sector through multistakeholder lens
- To position PPSE as a new player and enabler for biogas project developers and the sector

Overview

As one of the most vulnerable countries to the effects of climate change, Pakistan needs to address and manage its natural resources effectively, relying less on fossil fuels and more on renewables for energy. The Alternate Renewable Energy Policy of Pakistan aims to increase the share of renewable energy in the national power grid from 5% to 20% in 2025 and to 30% in 2030. To do this, the country needs to invest more on various sectors of renewable energy such as solar, wind and biogas.

Globally, energy generated from biomass and biogas are considered rich sources of alternative energy resource but despite Pakistan's large agriculture sector and vast rural areas and hinterlands, biogas has not proliferated in the way it ought to and can. More than 70% of Pakistan's total population resides in rural regions and are met with dismal energy scarcity. This hurdle can be solved sustainably on several fronts through mass implementation of biogas.

However, implementation of biogas plants can hold the key of a sustainable alternative to the energy access challenge. Fuel abundance and favourable climatic conditions make energy extraction from biomass impactful. Furthermore, if SMEs and large agricultural companies, especially in dairy and food production, revert to biogas for even part of their energy needs, a much more sustainable business and production model emerges that bolsters economy and ecology.

The technological and implementation bottlenecks surrounding biogas proliferation in the country must be met with nuanced understanding and multistakeholder lens, to unveil tangible learnings in various sectors to take biogas to the next level. Thus, this workshop has been organized by the Pakistan Private Sector Energy Project, funded by USAID, housed at UNIDO and implemented by Private Financing Advisory Network to bring together experts, business-owners, researchers and stakeholders to piece together the puzzle of energy from biogas in Pakistan.

Guiding Questions

- What is the current status of biogas in the country and which business models and technologies are working well and which are not?
- Which avenues to finance exist in the current market for biogas and which gaps need to be filled?
- How can women be effectively onboarded as entrepreneurs and farmers in biogas and this sector be established as an equitable sector in clean energy?
- What challenges, opportunities and lessons learned can be highlighted for the Biogas sector in Pakistan?

Outcome

As a result of this multistakeholder facilitated dialogue, PPSE aims to spot challenges, opportunities, best practices and lessons learned from the Biogas space in Pakistan (business model, access to finance, resource equity, etc), through a **whitepaper** with all participants insights and credentials. The whitepaper will be produced after the event, summarizing key findings and insights, and made public to wider audience so that our dialogue affects change and action.

Thank you in advance for your time, expertise and insights!

Agenda

Time	Duration	Topic	Lead	Activity	Format
14:00 -14:05	5 mins	Welcome	Peter Storey, PFAN Global Coordinator	Tech walkthrough and welcome remarks	Presentation
14:05 -14:15	10 mins	PFAN Biogas Project Developer Success Story	Dr. Chitra Rajan, Bio Methenation Expert Managing Director, R	Introduction to PFAN Global Platform, value proposition, network and achievements for project developers and services.	Presentation
14:15 -14:35	20 mins	Biogas Technical and Market Insights from Pakistan	Dr. Rabia Liaquat, USPCASE	<ul style="list-style-type: none">• Key statistics around biogas businesses in Pakistan• Market insights• Predominant technologies and business models	Presentation

Agenda

Time	Duration	Topic	Lead	Activity	Format
14:35 -14:40	5 mins	Methodology and Guiding Questions	Dr. Hina Aslam (Dialogue Moderator)	Short walkthrough for the roundtable dialogue and presentation of guiding questions	Presentation: Slides with the Guiding questions and rules
14:40 -15:05	25 mins	Biogas business models and technology alternatives: What is working well today? And why?	Dr. Hina Aslam (Dialogue Moderator)	The expectation from these sessions is that participants will respond with inputs reflecting on the sector they represent (bringing the multistakeholder lens to the discussion) for each guiding question	Roundtable dialogue

Agenda

Time	Duration	Topic	Lead	Activity	Format
15:05 -15:30	25 mins	Access to finance: What are the options available in the market today? Are there any GAPS?	Dr. Hina Aslam (Dialogue Moderator)	Towards last 5 minutes of each question the moderator will lay out main takeaways and conclusions and move to the next one	Roundtable dialogue
15:30 -15:55	25 mins	Biogas: An emerging market for women entrepreneurs and farmers? How can women be effectively onboarded and be established as an equitable sector in clean energy?	Dr. Hina Aslam (Dialogue Moderator)	The expectation from these sessions is that participants will respond with inputs reflecting on the sector they represent (bringing the multistakeholder lens to the discussion) for each guiding question	Roundtable dialogue

Agenda

Time	Duration	Topic	Lead	Activity	Format
15:55 -16:20	25 mins	What challenges, opportunities and lessons learned can you highlight for the Biogas sector in Pakistan?	Dr. Hina Aslam (Dialogue Moderator)	Towards last 5 minutes of each question the moderator will lay out main takeaways and conclusions and move to the next one	Roundtable dialogue
16:20 -16:30	10 mins	Wrap up and concluding remarks	Rabia Bukhari, Program Management Specialist, Energy, USAID	Dialogue conclusion and main takeaways	Closing Remarks

*Kindly note that agenda is subject to changes without prior notification to participants in light of unforeseen circumstances



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