



The country is blessed with substantial quantities of relatively clean fossil fuel –natural gas (NG) as its primary energy. For sustainable development in small towns and villages in Bangladesh and produce biofertilizer from the slurry is the prospect of the project.



Under the auspices of the National Agricultural Technology Program Phase-II (NATP-2) Project led by the Department of Livestock Service (DLS), the Rural Reconstruction Foundation (RRF) has been actively engaged in the construction, installation, and implementation of biogas plants since 2019. Through a pivotal Participation Agreement inked with the Infrastructure Development Company Limited (IDCOL) on November 18, 2009, RRF has successfully established 235 diverse biogas plants in the Khulna Division. This initiative stands as a testament to our organization's robust collaboration with the government, showcasing our capacity to contribute technically to the construction of such plants—a capability not universally possessed by many organizations. At its core, the second phase of the National Agriculture Technology Program in Bangladesh aims to elevate the agricultural productivity of small-scale farms and enhance the accessibility of smallholder farmers to domestic markets. Within this comprehensive framework, biogas emerges as a promising renewable energy source for Bangladesh.

KEY Services Offered

- Technical support for plant construction
- Soft loan (interest @ 8 %) to plant owner
- Warranty for biogas equipment & construction materials
- After construction maintenance & services
- Biogas plant user training
- Organic Manure (Bio Slurry) utilization training

Types of Bio-Digesters

Fixed Dome

Fiber-Glass



Achievement 2022-23

The Loan RRF has taken from the IDCOL for supporting participants to install biogas has been paid off this year.



Program Impact

- Biogas technology represents a sustainable way to produce household energy, particularly in developing countries.
- It can be cost-effective and environment-friendly technology for the people in rural areas. So, Biogas can be the best substitute for biomass fuels for use in rural areas.



Program Challenges

- High installation cost is a major challenge for this project.
- Technical difficulties is another challenge. As it is not automated so lack of interest in this project grows in households' minds.



At a Glance

ONGOING FROM 2009

Funded By

Project Participants so far

69

TOTAL BUDGET

BDT 3430000

NO. OF plant installed

69

Area Covered:

13 District of the Country

Member Talk



Name: Jahanara Begum
Vill: Bongram
Union: Prembag
Abhaynagar, Jashore

Jahanara Begum is a participant of this project and received training. Jahanara Begum also achieved the issue of livelihood and protection of nature from the line of Religios ritual principles. Starting the work of setting up the biogas plant. Her husband Anwar Hossain assisted her. This plant was installed in a hole of two hundred square feet on the south side of the house yard. On the south wall opposite, there is a dung waste disposal system where there is a good system for making organic manure. Jahanara is getting two cubic meters of gas every day by using her own cow dung. Morning and afternoon, she easily takes care of cooking for 6 people. Now she doesn't have to collect hay, burn wood, cut trees. As a result, Jahanara is excited and enthusiastic about saving the economy and protecting nature. In Jahanara's words - "I don't cut trees now, I don't collect leaves." No need to wash the eyes. Cook all in a short time. Kulsoom of the neighborhood came that day and asked me how to make this plant. I taught him everything. "