



Established  
In 2010

## Action for Climate Change for Bangladesh By Green Housing & Energy Ltd

Number of Solar Mini Grid	3
Number of Connection	700
Number of beneficiary	4200
Quantity of Carbon we have reduced per day	388

### Project Description

#### Mini Grid Project

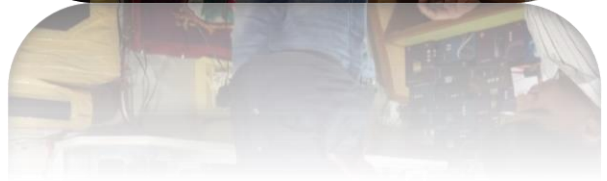
The GH&E Mini Grid is an off-grid solar energy system installed and managed by the company and so far three such a Mini Grid plants have been set up by GH&E at Kutubdia, Char Kajol and Char Bishwash island. The GH&E Mini Grid is installed in those islands for supplying green energy to the villagers and local enterprises with a collective need of electricity of at least 100 KW. GH&E Mini Grid energy is generating from solar energy and distributed to participating households. A power capacity of 100 KW can provide up to 500 households with 18 hours of electricity per day.

The technology for the solar panels, charge controllers and inverters are imported from GH&E's trusted international partners from Germany. GH&E ensures the highest quality of sensitive technologies used for controlling and monitoring the generation and distribution of power.

As part of GH&E's pioneering sustainable village model GH&E has started a pilot program of GH&E Mini Grid and Smart Micro Grid plants. Through collective distribution and centralized monitoring these plants are designed to provide power to an entire community. This systematic approach to energy supply is an efficient way of making electricity more available to the villages. GH&E can offer a more affordable distribution channel to the households unable to invest an independent Solar Home System and enjoying for having AC supply for using all kinds of electric appliances. The GH&E Mini Grids can further provide villages with collective benefits-such as powering irrigation pump for improved cultivation or supplying schools with energy to support computerization and other residential and commercial activities.









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