



# Solar home systems, Bangladesh

## Essential facts and figures

Project activity	Off-grid solar home systems
Project site	Bangladesh
Project owner	Infrastructure Development Company Ltd
Start date of operation	2021
Project duration	2021 until 2024
Quantity of emission reductions (in tonnes of CO <sub>2</sub> )	1.017 million SCF-certificates (CCF share 21%)

## Project description

The project supports the maintenance of existing solar home system (SHS) installations and the continued expansion of distributed renewable energy programmes. The ability of Infrastructure Development Company Ltd (IDCOL) to sustain SHS operations was challenged due to the poor economic conditions in recent years that have triggered higher rates of household defaults on SHS financing, which in turn limited IDCOL's implementing partners' ability to recover their capital. This forced some of those partners to stop delivering on after-sale operations and maintenance of SHS units. The drag on their financial position also reduced loan repayments to IDCOL.

The result-based carbon finance payments will ensure that beneficiaries continue to reap full benefits from SHS that supply reliable and affordable off-grid renewable energy. Also, the payments will prevent the SHS from ending up in disrepair before their retirement date, which would jeopardise the results of the original programme despite the upfront capital investments made.

The World Bank's "Carbon Initiative for Development" (Ci-Dev), in which the Climate Cent Foundation holds a share, is purchasing 1.017 million certificates issued under the World Bank's "Standardised Crediting Framework" (SCF) for emission reductions generated over the period 2021 to 2024.

## Project status (July 2025)

The project was registered by Bangladesh under the SCF in 2025.

The project ensures the operation of 3.3 million installed solar home systems.

## Project owner

The project is run by Infrastructure Development Company Ltd (IDCOL).

Further information:

Dr Marco Berg, Managing Director

Tel: +41 (0)44 387 99 02