



**SREDA**  
Sustainable and Renewable  
Energy Development Authority



Implemented by:  
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# Newsletter

## National Solar Help Desk

The National Solar Help Desk (NSHD) is an undertaking of Sustainable and Renewable Energy Development Authority (SREDA), to support the proliferation of primarily Solar Rooftop programme under net metering. Initial establishment of NSHD was supported by GIZ Bangladesh. At present, NSHD is covering different activities under the leadership of SREDA. SREDA envisions to enlarge the scope of NSHD to cover all Renewable Energy solutions in the future.

### Sun, Soil, and Sustainability: Kick-off of Agrivoltaics Pilot and National Working Group

On 19th November 2025, a national workshop was held at Hotel Intercontinental Dhaka to officially kick off Bangladesh's first structured Agrivoltaics pilot project and launch the National Working Group on Agrivoltaics and Floating Solar. Organised by GIZ Bangladesh, the event was jointly supported by German Development Cooperation and the European Union (EU), in collaboration with the Power Division, Ministry of Power, Energy and Mineral Resources.

The workshop addressed Bangladesh's growing need to meet rising energy demand while ensuring sustainable land use, in line with the Renewable Energy Policy 2025 and the national target of achieving 30% renewable power by 2040. Agrivoltaics - integrating solar power generation with agricultural production was highlighted as a promising solution to support both food and energy security.

75 participants from government agencies, the private sector, development partners, financial institutions, academia, and industry attended the event. Key sessions presented insights into the technical and agricultural design of the agrivoltaics pilot, investment and financing frameworks, and regional experiences, including lessons from the Indian Agrivoltaics Alliance. Representatives from GIZ, Fraunhofer ISE, and IDCOL shared technical, analytical, and financing perspectives.

A central outcome of the workshop was the formal launch of the National Working Group on Agrivoltaics and Floating Solar. Through a moderated discussion, stakeholders agreed on the group's structure, coordination mechanisms, priority actions, and next steps to promote multipurpose land use for renewable energy development in Bangladesh.

The event concluded with special remarks from senior representatives of the Government of Bangladesh, the European Union Delegation in Bangladesh, and the German Embassy, reaffirming strong commitment to advancing innovative, sustainable renewable energy solutions in the country.



Figure 1 Kick-off of Agrivoltaics Pilot and National Working Group

## Solar Energy Strengthens BIAM's Path to Sustainability

On 16th April 2025, the National Solar Help Desk (NSHD) visited the Bangladesh Institute of Administration and Management (BIAM) Foundation to conduct a follow-up feasibility study and review the progress of its solar energy initiatives. Established on 29th January 1991 at New Eskaton, Dhaka, BIAM Foundation has been playing a vital role in enhancing the capacity of government and non-government officials through professional training and development programs. In response to frequent power disruptions, BIAM took proactive steps to explore renewable energy solutions to ensure uninterrupted operations. Earlier assessments identified the main building's rooftop as an ideal location for solar installation due to minimal shading and strong sunlight exposure, with plans to implement a 30–40 kWp photovoltaic (PV) system along with battery backup support.

In the 2023–24 fiscal year, BIAM installed a 35 kWp on-grid solar power system, significantly reducing its dependence on the national grid and lowering electricity expenses. Building on this success, in the 2024–25 fiscal year, BIAM further enhanced its energy infrastructure by installing a modern hybrid solar system integrated with lithium-ion battery storage (on-grid + off-grid). This advanced system ensures uninterrupted power supply during load shedding, particularly in classrooms, halls, reception areas, and administrative offices. As a result, training sessions and daily administrative activities continue smoothly without disruption, reflecting BIAM's strong commitment to sustainability, operational reliability, and energy efficiency.

Since its commissioning, the solar system has been generating an average of approximately 126 kWh of electricity per day, totaling around 46 MWh annually. This clean energy production is expected to save approximately BDT 482,000 per year in electricity costs.

In addition, the initiative contributes to environmental protection by reducing CO<sub>2</sub> emissions by nearly 28 tons annually. Through these efforts, BIAM Foundation demonstrates its commitment not only to cost efficiency but also to becoming a sustainable, environmentally responsible, and future-oriented institution, contributing to the vision of a greener Bangladesh.



Figure 2 Rooftop Solar System of BIAM Foundation

## From Pre-Feasibility to Impact: Concern Worldwide's Solar Project Comes to Life

The National Solar Help Desk (NSHD) is pleased to share the successful implementation of a solar energy project for Concern Worldwide Bangladesh, marking the completion of a journey that began with a pre-feasibility study conducted by NSHD in June 2023.

Building on this early technical assessment, Concern Worldwide commissioned a 28.4 kWp hybrid solar power system at its Dhaka office, which was installed on 18th December 2024. The project demonstrates how well-planned feasibility analysis can turn renewable energy intentions into operational success.



*Figure 3 Rooftop Solar System of Concern Worldwide [Source: Concern Worldwide]*

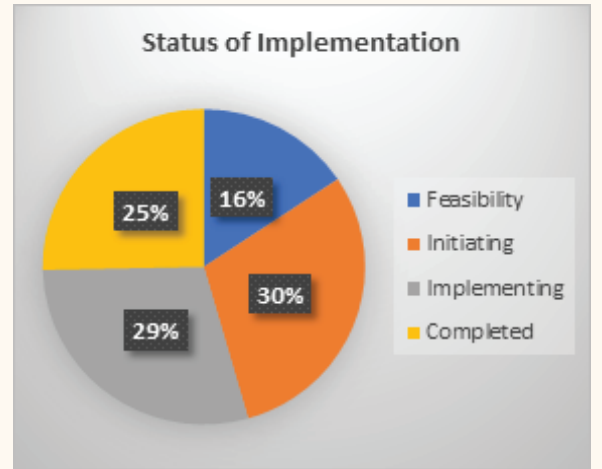
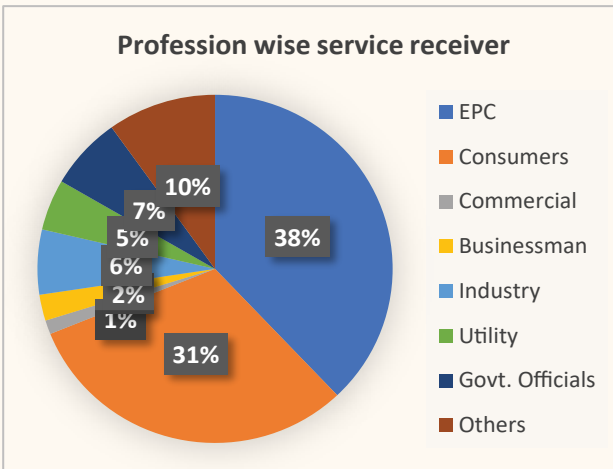
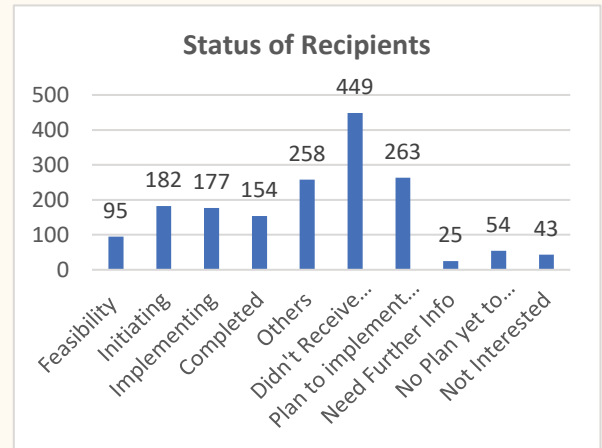
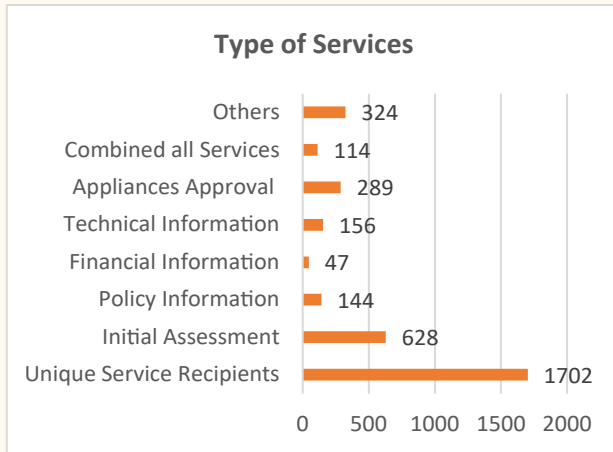
The solar system generates an average of 73.4 kWh of clean electricity per day, equivalent to approximately 21,900 kWh per year. This energy supports daily office operations while surplus electricity is exported to the national grid through net metering. Battery storage ensures uninterrupted power during grid outages, significantly reducing reliance on diesel generators.

In financial terms, the system delivers an estimated annual electricity value of around 3.42 lakh Taka, while reducing carbon dioxide emissions by approximately 12.2 tons per year. These outcomes contribute directly to Concern Worldwide Bangladesh's broader sustainability goals, including its commitment to reducing 30 percent emissions by 2030.

The project highlights solar energy as a practical and financially viable solution, even for rented urban office spaces. The successful completion of this initiative reinforces the importance of early-stage pre-feasibility studies in reducing project risk and ensuring long-term impact.

National Solar Help Desk congratulates Concern Worldwide Bangladesh on this milestone and remains committed to supporting organisations across Bangladesh in advancing clean, reliable, and cost-effective solar energy solutions.

## Feedback analysis of NSHD Service Recipients



154 systems around 87.314 (MWp) implemented with the support of NSHD

2511 services have been provided by NSHD since its inception

## Contact Details of National Solar Help Desk



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