SREDA
Sustainable and Renewable Energy Development Authority

german cooperation
DEUTSCHE ZUSAMMENARBEIT

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.

Workshop on 'Promotion of Net Metered Rooftop Solar on the Premises of Universities'

A day-long workshop titled 'Promotion of Net Metered Rooftop Solar on the Premises of Universities' held on 5 March 2024, at Gomti Hall, SREDA, aimed to familiarize representatives from public and private universities with the concept of net metering rooftop solar. The workshop highlighted the untapped potential of university spaces for solar electricity generation, emphasizing the transformative role of net metering rooftop solar in Bangladesh's renewable energy landscape. Presentations included a wide range of topics, including the business case for net metered rooftop solar, successful implementation experiences, and plans for advancing renewable energy initiatives. Notably, Jashore University of Science and Technology (JUST)'s endeavour to install a 1 MW rooftop solar system under OPEX model exemplified the potential for universities to lead in sustainable energy adoption.

Discussions revolved around the feasibility of implementing rooftop solar systems in universities and the benefits of the net metering system. As universities possess sufficient open spaces on their roofs, installing solar panels presents a cost-effective alternative to grid electricity. Throughout the workshop, lively interactions and spontaneous discussions enhanced the overall engagement, emphasizing the collective commitment to exploring and promoting renewable energy solutions. Furthermore, SREDA expressed for continued collaboration with the universities, facilitated by NSHD, to expedite the integration of net metered rooftop solar systems across academic institutions nationwide.

Workshop on 'Promotion of Net Metered Rooftop Solar on the Premises of Universities'

Redesign and Restructure of NSHD Webpage

Redesign and restructuring of the NSHD webpage was done to enhance functionality and user friendliness. The process began with reviewing the current webpage and discussing proposed changes. Initial designs for the homepage were created to accommodate all required tabs and sub-tabs, ensuring a dynamic layout. New pages were developed and hosted on the NSHD server, with provisions for regular updates by the NSHD team. Graphical representations were incorporated on the homepage, with scope for NSHD to update them regularly.

New Webpage of National Solar Help Desk (NSHD) [https://nshd.sreda.gov.bd]

Additionally, links were established to dynamic graphs from the National Database of Renewable Energy (NDRE), providing users with real-time data. Pages were also added for news, events, circulars, announcements, and policy documents, both on the NSHD webpage and the main SREDA website. Furthermore, a page was created to generate monthly summaries of solar irradiance measurement station data automatically.

Unified Net Energy Metering (NEM) Online Application System

The first phase of implementing the Unified Net Energy Metering (NEM) online application system has been successfully completed for the two electricity distribution companies, DPDC and DESCO. This initiative marks a significant milestone in streamlining the process for connecting renewable energy systems to the grid. The online platform allows consumers to submit applications remotely, reducing time, costs, and visits to utility offices. It expedites approval processes, providing real-time updates to applicants and enabling tracking of application statuses by consumers, utilities, SREDA and Power Division.

Unified Net Energy Metering (NEM) application system [https://nem.powerdivision.gov.bd]

Implementation of Unified NEM online application system to other four electricity distribution companies is ongoing and will be completed soon. This expansion aims to further enhance efficiency, transparency and accessibility, facilitating greater participation in renewable energy initiatives and accelerating Bangladesh's transition towards a more sustainable energy landscape. With the successful implementation of both phases, the unified NEM online application system represents a significant advancement in promoting renewable energy adoption and achieving the country's energy goals.

Success Stories of NSHD

The NSHD has played a crucial role in facilitating the adoption of rooftop solar systems in Bangladesh. From its inception, NSHD has been instrumental in providing valuable information on rooftop solar projects and conducting pre-feasibility studies for both public and private organizations. These studies enable organizations to understand the potential benefits of installing rooftop solar systems, empowering them to make informed decisions regarding renewable energy adoption.

In November 2021, NSHD conducted a feasibility study of a rooftop solar system at Khulna University. Following this study, the university administration proceeded to install a 115 kWp rooftop solar system. Since its commission, the project has been operating seamlessly, demonstrating NSHD's effective guidance and support in implementing renewable energy solutions.

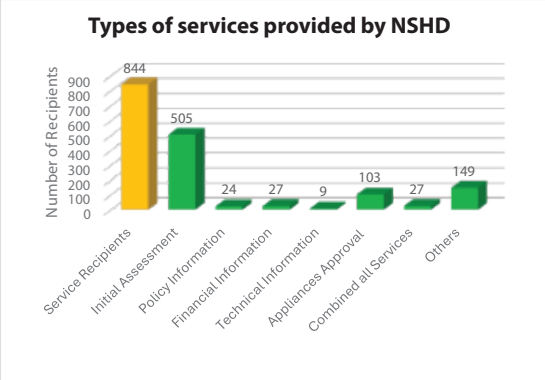
Similarly, NSHD conducted another pre-feasibility study in September 2022, this time at HMCL Niloy Bangladesh Ltd (HNBL) factory in Jashore. Despite already having a 50-kW rooftop solar system in place, the factory expressed interest in expanding its solar capacity. Requesting NSHD's assistance, the factory underwent a pre-feasibility study, which subsequently led to the installation of a 1.5 MW NEM rooftop solar project on their premises. This significant expansion underscores the successful collaboration between NSHD and stakeholders in harnessing solar energy for sustainable power generation.

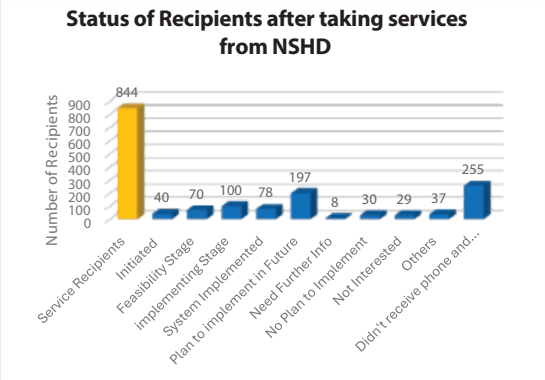
Net Metered Rooftop Solar System at HMCL Niloy Bangladesh Ltd.

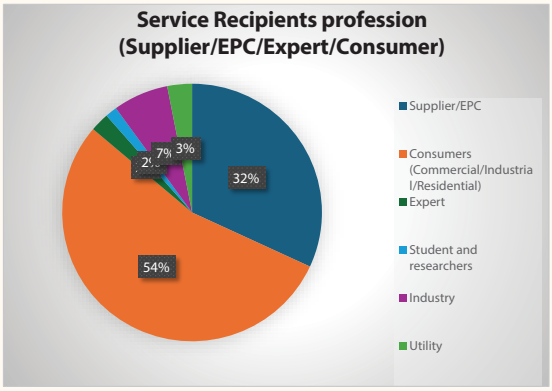
These success stories highlight NSHD's instrumental role in guiding organizations through the process of adopting renewable energy solutions. By providing pre-feasibility studies, technical expertise, and support, NSHD empowers institutions to embrace solar energy, reduce their carbon footprint, and contribute to a more sustainable future.

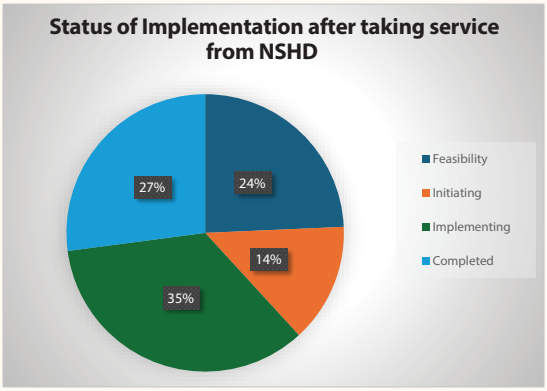
Net Metered Rooftop Solar System at Khulna University

Feedback analysis of NSHD Service Recipients









78 systems (around 30.42MWp) implemented with the support of NSHD

1285 services have been provided by NSHD since its inception

Contact Details of National Solar Help Desk

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Sustainable and Renewable Energy Development Authority

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