



SREDA
Sustainable and Renewable
Energy Development Authority



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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 primarily support the proliferation of rooftop solar programme under net metering. Under the leadership of SREDA, NSHD conducts a range of activities to achieve this objective. SREDA envisions to enlarge the scope of NSHD to cover all renewable energy solutions in the future.

GIZ Bangladesh supported the establishment of NSHD in 2021.

Workshop on Net Metering for New Connections

On April 5, 2023, a workshop on Net Metering for New Connections was organized by Policy Advisory for Promoting Energy Efficiency and Renewable Energy (PAP) project implemented by GIZ Bangladesh, in cooperation with SREDA.

The event aimed to address the current scenario and guidelines related to net metering, and explore the challenges and opportunities faced by utilities in implementing the system. Additionally, the workshop discussed financing aspects and challenges related to accessing funds for net metering projects. Eventually, a committee was formed involving representatives of all stakeholder groups to discuss and agree on necessary amendments for existing net metering guideline.

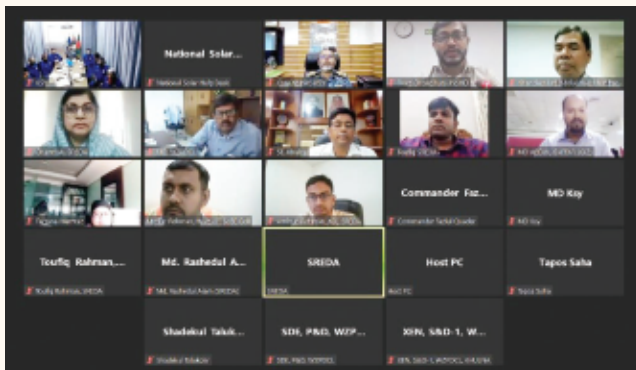


Picture: Workshop on Net Metering for New Connections

Webinar on Energy Management and Rooftop Solar PV under Net Metering Guidelines with Khulna Shipyard (KSY)

On April 11, 2023, A webinar on energy management and rooftop solar PV under net metering was held with Khulna Shipyard (KSY). The workshop featured presentations on Rooftop Solar PV under Net Metering and Energy Efficiency and

Conservation applicable for shipyards. The presentations provided valuable insights into the potential of rooftop solar systems and emphasized the importance of renewable energy adoption and energy conservation.



Picture: Webinar on Energy Management and Rooftop Solar PV under NEM

Topics such as installation models, electricity generation and consumption, technical issues, billing systems, and net metering application processes were covered. During the discussion, participants raised queries regarding annual electricity bill savings, tilting angles of solar panels, cleaning the systems, system performance during load shedding, and energy auditing. The webinar emphasized the importance of renewable energy adoption, energy conservation, and the reduction of carbon emission.

Site Visit and Pre- Feasibility of Rooftop Solar

Housing and Building Research Institute (HBRI)

The Housing and Building Research Institute (HBRI) intends to install a PV Solar system on their building rooftops and requested SREDA for an assessment for the same. In response, a team from NSHD visited the HBRI premises on March 16, 2023, to collect the required information.

Following the site visit and discussions, several areas were identified as potential locations for the rooftop

solar system. In summary, approximately 540 kWp of rooftop solar capacity can be installed on the HBRI roof, utilizing available roof space. The final system size can be determined through detailed measurements and consideration of the roof's load-bearing capacity. The implementation of the rooftop solar system will support HBRI's energy needs, contribute to cost saving, and reduce their environmental footprint.

Bangladesh Cable Shilpa Limited (BCSL)

To enhance their sustainability efforts, meet energy requirements, and reduce operational costs, Bangladesh Cable Shilpa Limited (BCSL), an industrial organization under the Posts & Telecommunications Division of the Government of Bangladesh, has expressed their intent to install a PV Solar system on their factory building roofs.

During a physical visit to the BCSL premises on June 15, 2023, a team from NSHD collected necessary information and conducted an assessment. The factory comprises of seven industrial shades and an office building. The team identified two sections for solar installation, with the potential to accommodate a 600 kWp (500 kW AC) system in each section. The assessment report will assist BCSL in designing the

rooftop solar project, estimating energy generation, and calculating potential savings on their electricity bills, while contributing to the reduction of CO2 emissions.



Picture: Visit to Bangladesh Cable Shilpa Limited

Bangladesh University of Professionals (BUP)

On May 22, 2023, a team from SREDA and NSHD visited Bangladesh University of Professionals (BUP) to inspect their existing rooftop solar systems. Led by

Mr. Khandker Md. Abdul Hye, the team assessed the physical condition and performance of the systems, discussed the benefits of net metering, and made recommendations. BUP currently has two separate on-grid solar systems with capacities of 100 kWp and 40 kWp, installed in December 2019.



Picture: Visit to Bangladesh University of Professionals (BUP)

During the visit, issues such as damaged panels, strains from dust accumulation, and an underperforming inverter were identified. The team recommended panel replacement, net metering application, investigation of the underperforming inverter, regular cleaning, and a pre-assessment for the planned rooftop solar system on a new building. Implementing these recommendations will enhance the efficiency, cost savings, and sustainability of BUP's renewable energy initiatives.

Awareness Workshops on Net Metered Rooftop Solar in Bangladesh

A series of awareness workshops on "Net Metering Rooftop Solar in Bangladesh" organized by SREDA with support from NSHD. These workshops took place on May 28, 2023, at Daffodil International University (DIU), May 30, 2023, at North South University (NSU), and June 5, 2023, at American International University Bangladesh (AIUB). The aim of these workshops was to discuss the current status and future plans of Bangladesh's renewable energy sector, focusing on the technical aspects and potential of rooftop solar systems under net metering.



Picture: Awareness Workshop at NSU

The workshops featured esteemed guests, including Ms. Munira Sultana, ndc, Chairman (Grade- 1) SREDA, who provided valuable insights on net metering and renewable energy. Attendees, comprising faculty members and students from various departments, actively participated in the sessions delivered by SREDA officials, gaining knowledge about the technical and financial aspects of net metered rooftop solar projects.

Overall, the workshops served as platforms for exchanging information and educating participants about the benefits and prospects of rooftop solar systems under net metering. With the participation

of universities such as DIU, NSU, and AIUB, the workshops effectively disseminated knowledge among faculty members and students, contributing to the advancement of renewable energy adoption in Bangladesh. The insightful speeches and technical presentations provided a comprehensive understanding of net metering and the renewable energy sector. By empowering individuals with knowledge and encouraging their engagement, these workshops can play a vital role in promoting sustainable energy practices and shaping the future of renewable energy in Bangladesh.



Picture: Participants of the Awareness Workshop at AIUB

Technical Training on Rooftop Solar under NEM

A comprehensive 5-day technical training program on "Rooftop Solar under NEM" organized at SREDA premises by PAP Project in collaboration with the Power Division was held from June 04 - June 08 2023. The objective of the training, assisted by NSHD, was to enhance the technical and strategic skills of participating officials from electricity distribution companies. The training focused on equipping them with necessary knowledge and expertise to effectively implement and monitor solar rooftop projects under the net metering scheme.

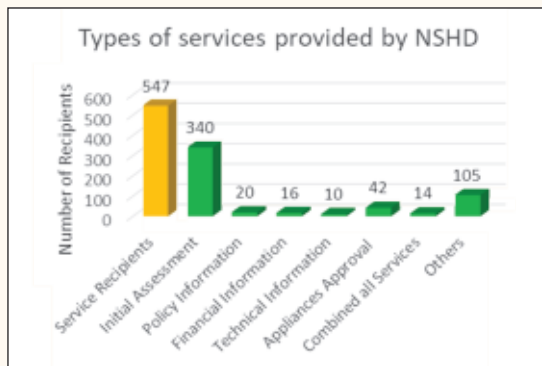
The training program covered project implementation, quality and standards, the impact of

solar PV systems on the grid, safety considerations, monitoring techniques, and financial aspects related to rooftop solar installations.

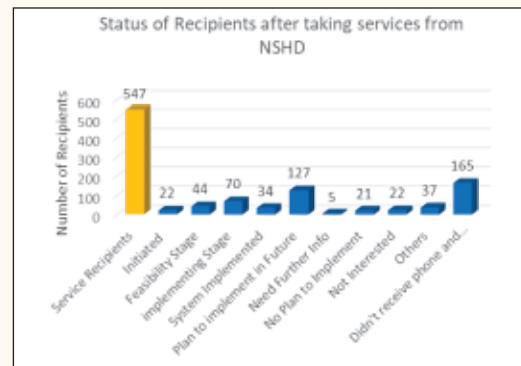


Picture: Technical Training on "Rooftop Solar under NEM"

868 services have been provided by NSHD since its inception



Picture: Types of Services Provided by NSHD



Picture: Status of Recipients After Taking Services from NSHD

Contact Details of National Solar Help Desk



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