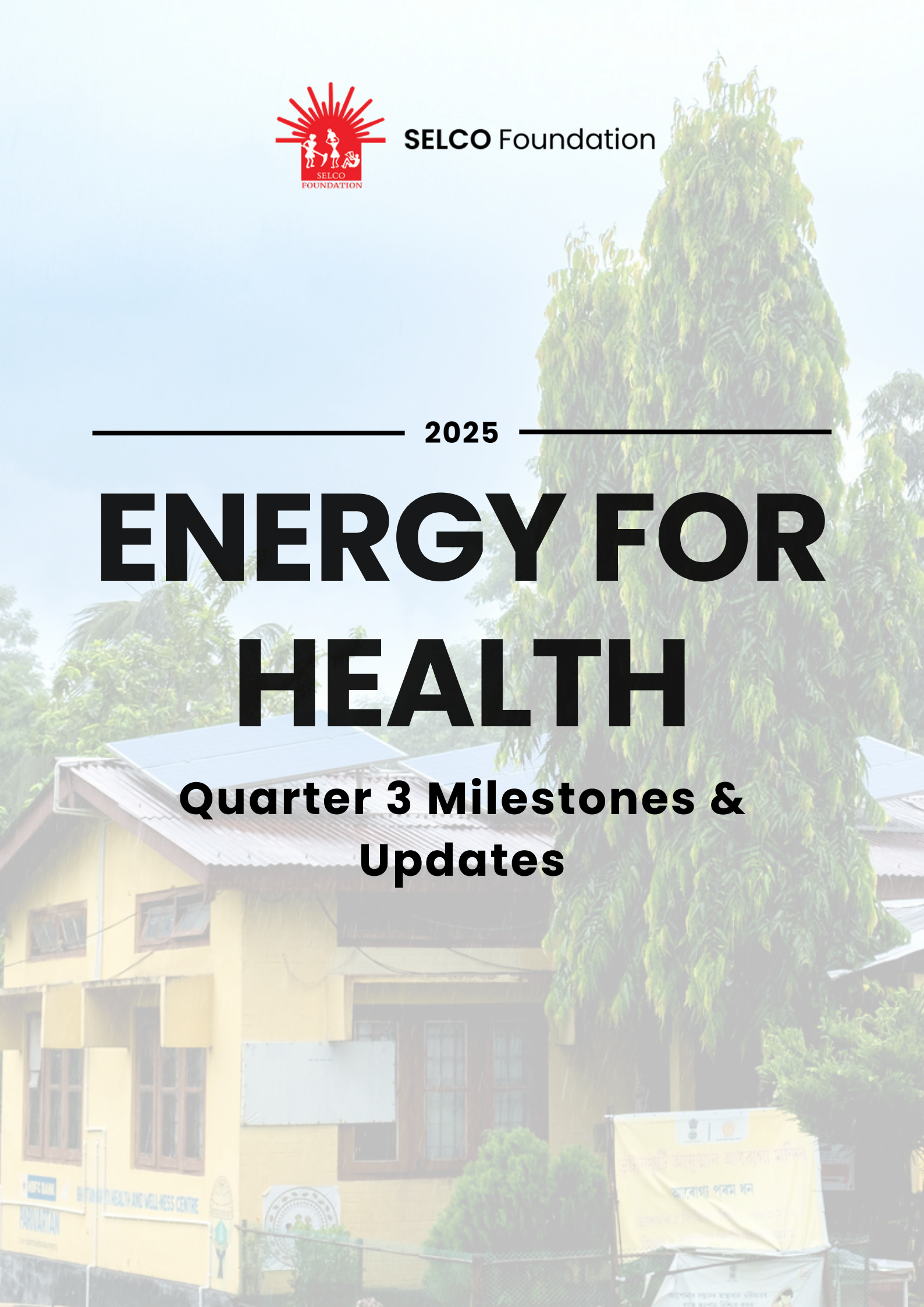
SELCO Foundation

2025

ENERGY FOR HEALTH

Quarter 3 Milestones & Updates



E4H

PARTNERSHIPS & PROGRESS

A milestone moment for public health in **Goa**!

On 8th October 2025, in the presence of Chief Minister Dr. Pramod Sawant and Minister for New & Renewable Energy, Sudin Dhavalikar, a landmark partnership was launched to transform healthcare across Goa.

Selco Foundation(SF) in partnership with the Department of New and Renewable Energy (DNRE)- Goa, Goa Energy Development Agency (GEDA), National Health Mission (NHM)- Goa, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), and key government departments, embarked on a collaboration to solarize all Primary Health Centres in the first phase of the E4H programme in the state, ensuring uninterrupted, sustainable care for communities in remote areas.

A milestone moment for public health in **Mizoram**!

In partnership with the National Health Mission, Mizoram, SF successfully completed the solar electrification of all 530 public health facilities across the state — including Sub-Centres, Health & Wellness Centres, Primary Health Centres, and Health Clinics.

During the official facilitation event held on 23rd October 2025, key dignitaries, including Pu Lalnunmawii, Joint Secretary, Health & Family Welfare Department; Pu Lalmalsawma Pachuau, IRS, Secretary, Planning Department; and Dr. Lily Chhakchhuak, Mission Director, NHM, celebrated this achievement alongside Dr. Harish Hande, CEO, SELCO Foundation, and other stakeholders.

A milestone moment for public health in **Maharashtra**!

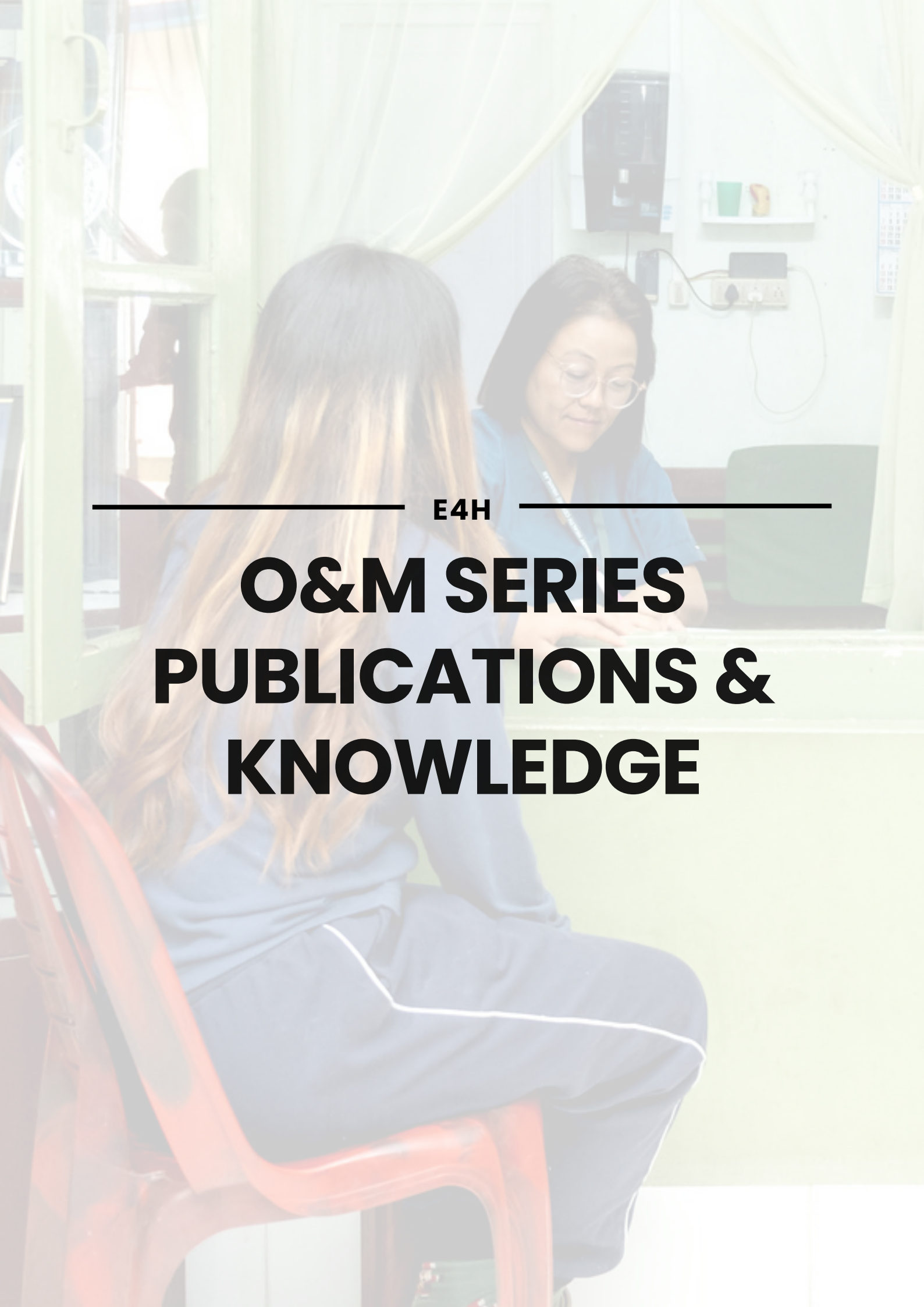
In partnership with the Nandurbar District Administration, an MoU was signed at Nandurbar, Maharashtra on 17th November 2025 for the installation, rectification, and upgrade of solar systems across health facilities in the district.

The initiative also includes the establishment of three Model Health Centres to showcase upgraded Primary Health Centres (PHCs), aimed at strengthening the health system and building the capacity of health staff.

A milestone moment for public health in **Manipur**!

Selco Foundation signed an MoU with Directorate of Health Services, Government of Manipur, on the 8th of December 2025 marking a new chapter for healthcare in the state.

The Health Department will incorporate O&M costs, into their annual budget, and take ownership of the assets. The MoU was signed in the presence of Chief Medical Officers and State Nodal Officers



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O&M SERIES PUBLICATIONS & KNOWLEDGE

Operations and Maintenance (O&M) is a cornerstone for resilient health systems and sustainable energy access. To maintain decentralised solar energy systems in public institutions, especially healthcare facilities, where reliable power is critical for life-saving services, O&M is imperative.

It goes beyond annual contracts—encompassing preventive, scheduled, and corrective measures that directly affect system performance, patient safety, and staff confidence. Drawing on lessons from diverse contexts, the O&M Documentation/Knowledge documents offer models for defining ownership, building local capacity, integrating remote monitoring, and ensuring accountability. All the following documents were launched during the webinar series conducted in Aug-Sep 2025.

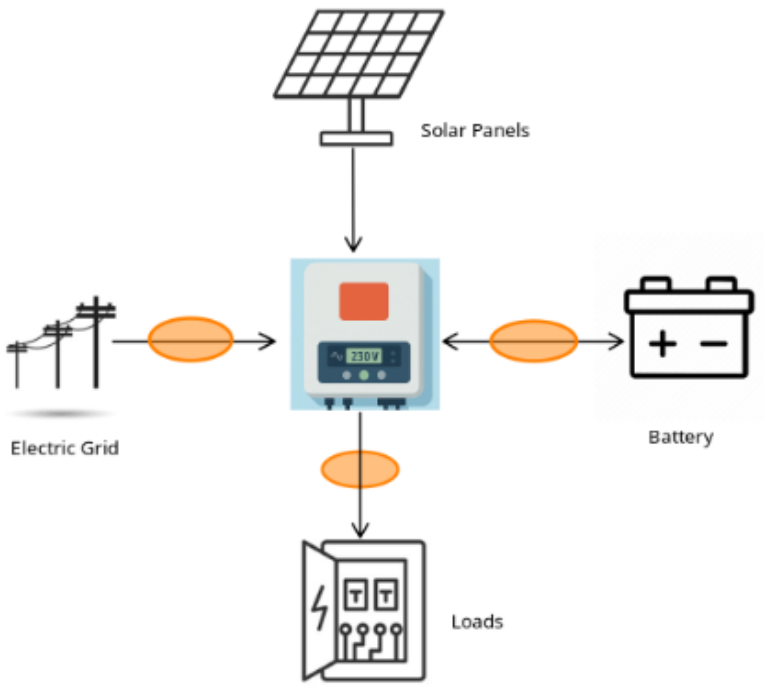
- **Powering the Future: A Sustainability-Focused Maintenance Guide for Decentralised Solar Energy in Public Institutions - Selco Foundation**
- **Fundamentals of Operations and Maintenance for Solar Equipment in Healthcare Facilities - Selco Foundation**
- **Asset Handover for Renewable Energy Infrastructure in Health-Energy Programs - Selco Foundation**
- **Financing for Operations and Maintenance of Energy Systems at Health Facilities - Selco Foundation**

E4H

RMS LEARNINGS

Remote Monitoring System (RMS) is a device which helps in remotely monitoring the functioning and status of solar systems installed in health care facilities under the E4H program.

The device captures electrical parameters associated with the solar system and shares it to an online server in real-time. The data helps the user to keep a track of real-time status and operation of the solar system. The figure below illustrates the sensing input received by the RMS device in the solar system. This allows for monitoring the status of the system (Active, Idle, Inactive) as well as energy utilisation from solar and grid.

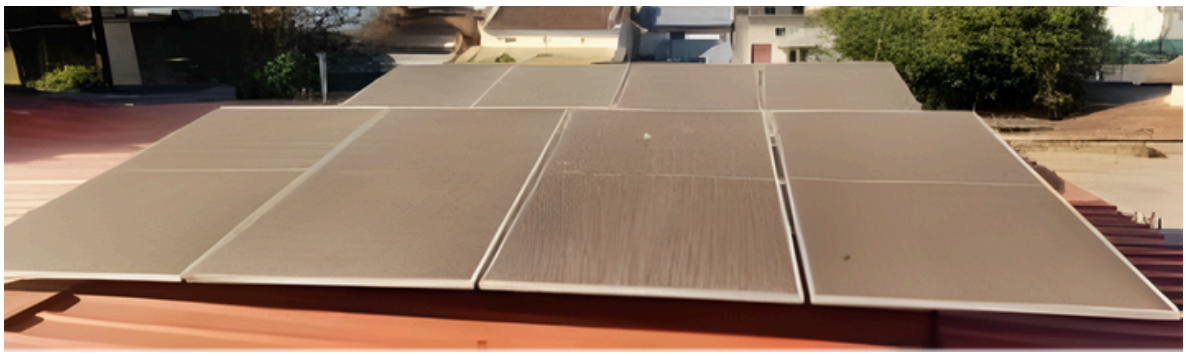


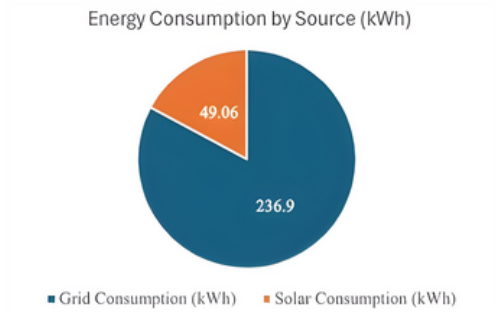
Learning: Regular cleaning of Solar Panels is essential to ensure that solar system runs on solar.

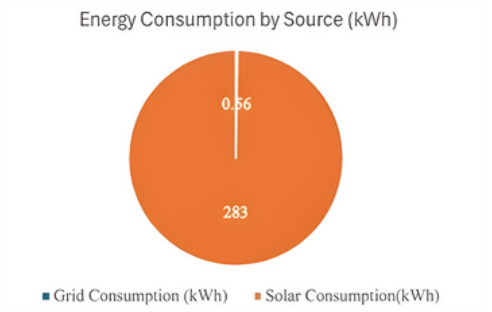
State	Karnataka
District	Dharwad
Health Facility	Madaramaddi PHC

Madaramaddi PHC in Karnataka indicated high grid consumption on the RMS dashboard. Observing this data, the CRM executive called up the health facility to share a picture of the solar panels, which was found to be covered in dust.

The CRM executive advised the health facility staff to clean the panel to ensure that the electricity is generated by the panels. This required regular cleaning to keep it dust-free. Post cleaning, the RMS dashboard indicated that the health facility was completely running on the solar system.







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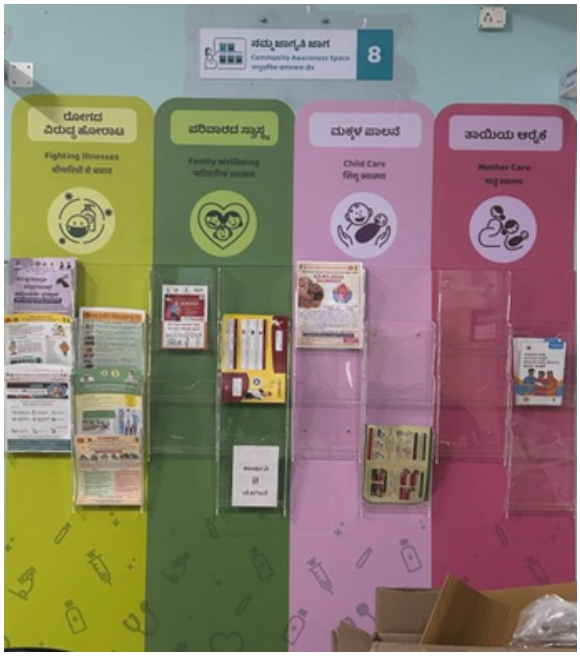
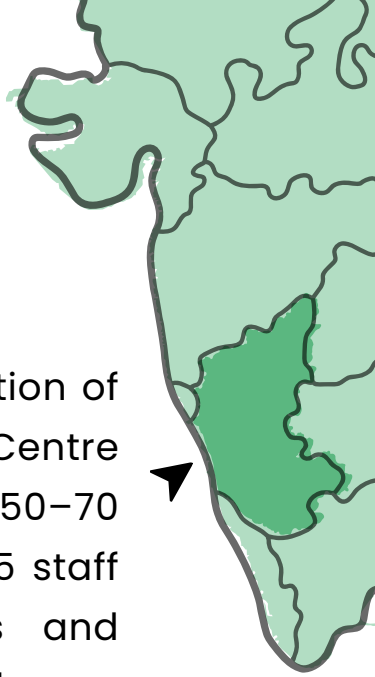
MODEL HEALTH CENTRES

Transforming PHCs into sustainable model health centres, integrating energy-efficient and sustainable design through cutting-edge and innovative medical technology, and a patient-centred built environment prioritizes staff and patient experience, supports recovery, and fosters overall well-being.

The following model centres are now upgraded version of the present PHCs.

- **JP Nagar UPHC: (Within Bangalore city limits)**
- **Aradeshanahalli PHC: (20 km from Bangalore City)**
- **Annur PHC: (60 km from Mysore City)**





Case Study: Urban Primary Health Centre (UPHC)
JP Nagar, Bangalore, Karnataka

Located in an urban setting and serving a population of 88,000, the JP Nagar Urban Primary Health Centre (UPHC) handles a daily outpatient load of 50–70 patients. Despite operating with a small team of 5 staff members, the UPHC manages 2 sub-centres and administers approximately 400 vaccinations/month.

Following the SELCO Foundation's intervention, key diagnostic tests were brought in-house through digital pathology and tele-pathology services. This significantly reduced referrals, improved time management for both staff and patients, and strengthened preventive and primary care for non-communicable diseases (NCDs) and infections.

"The installation of easy-to-access IEC rack and a number of PoC tests has saved time of the community and also helped in better patient management."

Dr. Geetha,
Medical Officer in-charge,
UPHC, JP Nagar

E4H

SAURA-E-MITRA: NEW FEATURE & FEEDBACK

The E4H Digital Platform: Transforming Health Programme Processes - The E4H initiative is digitizing key processes such as assessments, installations, quality checks, and maintenance, moving from pen-and-paper methods to a fully digital platform. Some processes are already operational, while others are in development or testing. All technology and product documentation for each module is publicly available, aiming to ensure global applicability for public asset management.

Module Updates:

- **Saura-eMitra: Launched in 10 states, this ticketing module assists approximately 6,000 health facilities in reporting and resolving DRE issues. Staff and vendors have received training, and issue resolution processes are largely digitized. Service Level Agreements and escalation processes are now in place to enhance efficiency.**

- **Analytical Dashboard: An analytical dashboard for SELCO leadership allows real-time monitoring of issue statuses, including evaluations based on center status and issue types. Future plans include granting vendors and government representatives' access for improved visibility.**

Upcoming Modules:

- **Saura-eMitra - RMS Integration**
- **AMC Module**
- **Asset Management App Integration**
- **Assessment and Quality Check Modules**