

# Engineering Resilience: Enhancing Electrical Safety And Sustainability In National Healthcare By EETESC IESL

## CSR Project 1 at Apeksha Hospital

The project was spearheaded as a CSR initiative by the **Electrical, Electronics and Telecommunication Engineering Sectional Committee (EETESC)** of the **Institution of Engineers, Sri Lanka (IESL)**. On **January 31, 2026**, the initiative commenced with a comprehensive site assessment conducted by a 15-member volunteer team. This visit successfully identified the root causes of recurring power interruptions and resolved existing equipment faults, while essential safety tests were performed on the facility's grounding systems to ensure a secure environment. Following these findings, on **February 05, 2026**, the results and recommendations were presented to the development committee, which led to a formal request for detailed cost estimates to upgrade the electrical infrastructure and a full study on the viability of a facility-wide solar energy project.

By **March 04, 2026**, the technical team finalized and submitted the formal cost requirements and specifications needed to improve the safety of the power systems in the main buildings. This paved the way for the final milestone on **March 09, 2026**, when a comprehensive report on the financial and technical benefits of proposed solar system was presented. The development committee is in the process of securing official approval from the Ministry to begin the installation of rooftop solar systems across several major wings of the facility, transitioning the site toward long-term energy sustainability.

Looking ahead, the **EETESC** of **IESL** remains committed to this partnership and looks forward to further engaging with the hospital. Future efforts will focus on following up on the progress of these installations and identifying additional safety measures to further enhance the facility's electrical resilience and operational standards.



## CSR Project 2 at Lady Ridgeway Hospital

This CSR initiative was spearheaded by the **Electrical, Electronics and Telecommunication Engineering Sectional Committee (EETESC)** of the **Institution of Engineers, Sri Lanka (IESL)**. On **March 25, 2026**, the project commenced with an initial site visit to **Lady Ridgeway Hospital for Children** to consult with officials regarding critical infrastructure needs. This meeting established the groundwork for a technical intervention focused on improving the hospital's communication systems and conducting a comprehensive electrical condition audit and solar feasibility study.

Building on this foundation, on **April 26, 2026**, a joint team of engineering professionals and members of the **Electricians' Guild of Sri Lanka** conducted an extensive technical assessment of the electrical distribution network and the Public Address (PA) system. During this session, the team successfully restored a significant portion of the PA system's functionality while identifying vital safety concerns related to the facility's electrical installation and earthing systems. These findings were instrumental in ensuring a more reliable and secure environment for both patients and staff.

The initiative reached a key milestone on **May 06, 2026**, with the formal submission of an interim report to the hospital's Deputy Director. This report detailed the electrical safety audit observations for the OPD Building and provided structured recommendations for corrective actions to strengthen the hospital's critical infrastructure. The **EETESC** of **IESL** looks forward to further engagement with the hospital management to follow up on these improvements and implement additional electrical safety measures, continuing our commitment to creating a safer healing environment for the nation's children.



