

Powering Healthcare

Christ Hospital, located in Maharashtra's Chandrapur District in India, is about a kilometre away from a coal-fired power plant, and yet it suffers from power cuts that average about eight hours a day. Christ Hospital began as a small hospital about two decades ago in 2002 but has grown from holding 50 to 150 beds during this time. It serves people who sometimes travel nearly 150 kilometres, and it is the only multi-specialty hospital in the area with departments like general medicine, gynaecology, orthopaedics, and ophthalmology.

WELCOME TO CHRIST CAMPUS	
CHRIST MULTISPECIALITY HOSPITAL	क्राइस्ट मल्टीस्पेशालीटी हॉस्पिटल
CHRIST NURSING INSTITUTE	क्राइस्ट नर्सिंग इन्स्टीट्यूट
AMALA CONVENT	अमला कान्वेन्ट
CHRIST CONVENT	क्राइस्ट कान्वेन्ट
CHRIST NURSES' HOSTEL	क्राइस्ट नर्स वसतिगृह
KARUNA BHAVAN	करुणा भवन
MOBILE MEDICAL UNIT	मोबाईल वैद्यकीय युनिट
VIHAAN (Fight Against HIV/AIDS Project)	विहान (एच.आय.व्ही. निवारण कार्य)

Christ Hospital, Chandrapur

Now, the hospital has reliable power supply generated through solar energy with support from WRI India in collaboration with HSBC India and Catholic Health Association of India (CHAI). The collaboration assisted in installing a 5kW solar Photovoltaic (PV) power plant, integrated with battery energy storage of 18 kWh. The new electricity solution will enhance the hospitals' capacity to reduce diesel generator use. We spoke to Father Joseph Kalathil to discuss more on #PoweringHealthcare



Powering Healthcare

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We cater to people from underserved communities of this area, coming from all the parts of the district. All these areas have small health facilities, and doctors there refer their patients for treatments they cannot provide.

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Chandrapur district has a lot of cement, paper manufacturing and ferro alloy manufacturing factories. These factories pollute the area around the hospital. This means constant cleaning. Even if we clean the panels with water in the morning, by evening, there's a layer of dust settled on the panels.

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Though, there is a thermal power plant nearby, we do not get reliable power

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During extreme weather conditions, when the power is out for about 8 hours, it takes 4 to 8 hours, sometimes the whole day, for technicians to reach us and resolve the problem. In such situations, solar plants are especially useful.

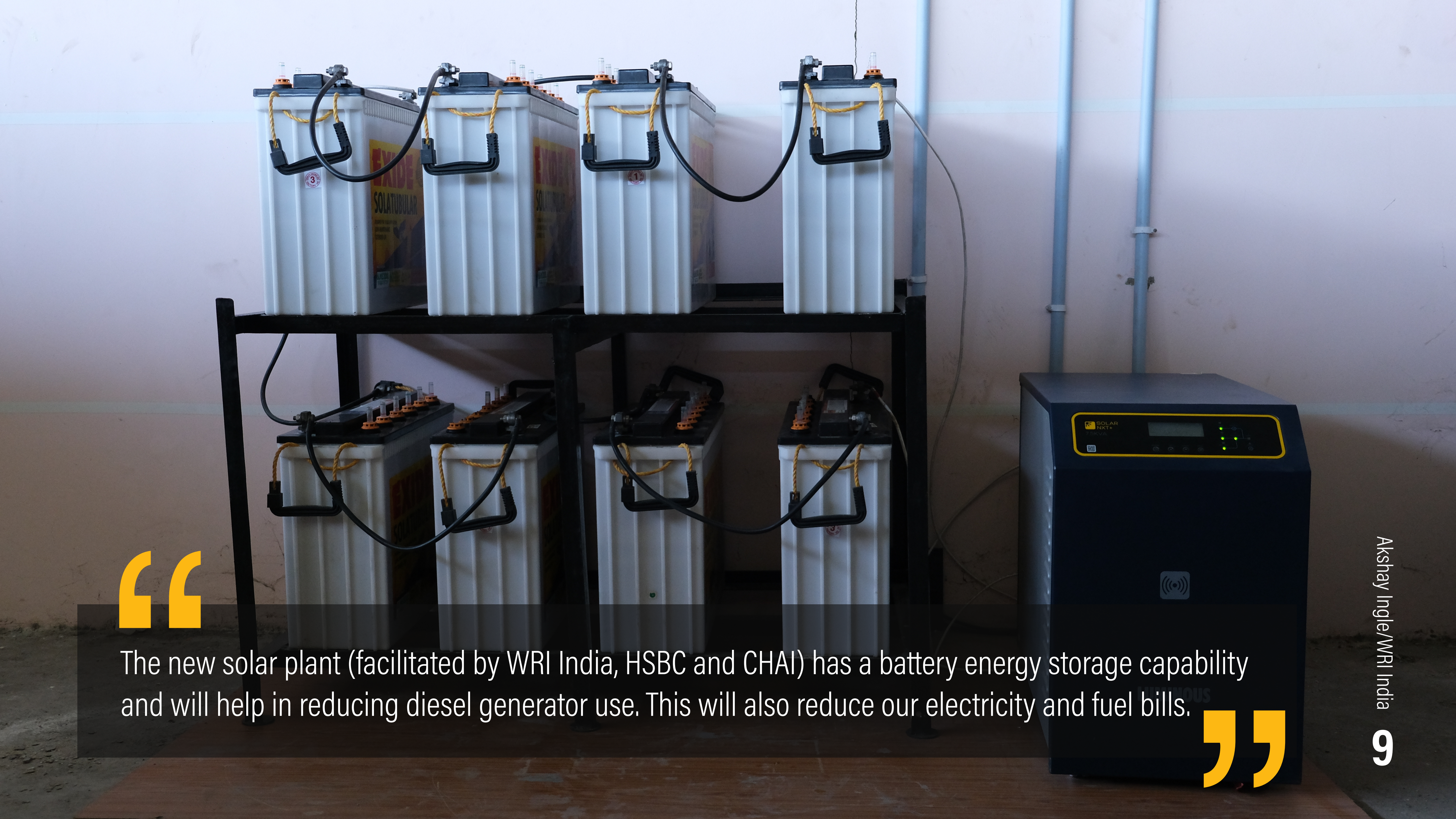
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In health facilities like ours that are in remote areas, solar power is a boon! But solar power alone is insufficient, we need batteries to address the variability of power from solar energy.

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The new solar plant (facilitated by WRI India, HSBC and CHAI) has a battery energy storage capability and will help in reducing diesel generator use. This will also reduce our electricity and fuel bills.

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WRI India, partnered with HSBC India and CHAI to implement clean energy solutions for improved health outcomes and to attempt to decarbonize healthcare, while also improving service delivery and reducing emissions in India.

WRI India, HSBC India and CHAI aim to achieve Energy for Equitable Development in India's healthcare sector through this initiative.

