# Powering Healthcare

Christanand Hospital, Brahmapuri

Established almost four decades ago in 1984, and surrounded by coal mines and cement factories, Christanand Hospital caters to about 3,00,000 living in and around Brahmapuri Tehsil in Chandrapur district of Maharashtra. This hospital has about 200 beds and offers a range of facilities, but until recently it would face about five hours of power cuts on average every day in the summers. This went up to three days without power sometimes during the monsoons, severely impacting healthcare provisioning.

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This situation has begun to change at Christanand Hospital with the installation of a 15 (kWp) Solar PV System with battery energy storage system in February 2023. Now, the hospital has reliable, affordable and sustainable power supply generated through solar panels installed with support from WRI India in collaboration with HSBC India and Catholic Health Association of India (CHAI). Father Kurian Panayalil, administrator at the hospital talks about the uniqueness of Christanand, and how some vital services have become more accessible with #PoweringHealthcare

"Unlike other facilities in this rural area, Christanand hospital gives all services under one roof (Including a blood bank). Other facilities might be specialised in paediatric care and others might be high speciality but at Christanand, they get all the services here."

Akshay Ingle/WRI India

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> And for this reason the solar plant is now supporting lights and fans in the surgical departments and the paediatric ward and since there is a battery backup, we can use it on rainy days as well.

Akshay Ingle/WRI India

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> " With solar, electricity consumption from the grid will be less and DG set fuel consumption will also reduce. Thus, helping us in saving money that we can use in treatments. "

> "We face severe pollution due to the mines and cement factories dotting this region, and this means we must also clean the solar panels regularly to ensure their optimum output."

> **In future, with solar power we can plan for adding treatments such as dialysis, which will really help the people of the region, as they have to travel far for such treatment now.**

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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.

PEDIATRIC WARD
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