

Schneider Electric inaugurates Climate Smart Villages in Jharkhand to support rural communities



Dais World | 02/07/2024 09:27 PM

- *Transformative and **one of its kind IoT-enabled solution** that empowers rural communities, with a particular focus on uplifting tribal women, through the utilization of renewable energy.*
- ***Distributed Energy Solution**, which is **highly efficient, and cost-effective, supplying 24*7 reliable power** to irrigation pumps, agro-processing units, households, and other productive usage*
- ***Empowerment of ~ 100,000 farmer families by 2025***

*Schneider Electric India Foundation (SEIF), a socially committed arm of Schneider Electric in India has inaugurated two **Climate Smart Villages** in Gumla District, which is a designated aspirational district of Jharkhand, in collaboration with PRADAN (Professional Assistance for Developed Action), a prominent NGO that works to improve lives of underprivileged rural families. The Climate Smart Village initiative is designed to empower rural India, with a specific emphasis on uplifting tribal farming communities with the use of renewable energy.*

Access to essentials like healthcare, education, food security, livelihood opportunities, safety, and clean water is crucial for socio-economic development. Energy is pivotal in enabling access to these necessities. In rural India, many areas still lack reliable electricity access, relying on polluting diesel power, which incurs high costs and environmental hazards. Even in electrified areas, challenges like power limitations and unreliable supply hinder essential services.

*Recognising these challenges, Schneider Electric has developed an innovative, efficient, reliable, and cost-effective "**Climate Smart Village Solution**". Schneider Electric through PRADAN implemented the solution in two villages in the Gumla District of Jharkhand to **power productive loads such as irrigation pumps, oil expeller, rice huller, groundnut sheller, flour/spice grinding mill,***

and electric rickshaws. This India for India (i4i) system also supplies reliable power to households, runs streetlights, and meets other community needs ensuring **100% capacity utilisation by efficiently directing power to various loads.**

The Climate Smart Village Solution in Sehal and Chatti villages features 40 kW and 45 kW solar arrays with innovative IoT-enabled smart power management systems. This system ensures 100% capacity utilisation of the solar panels by diverting power to different loads based on demand, benefitting the 110 families in the two villages. These enhancements have also led to new economic opportunities, such as a 2X increase in farmers' income, reduced migration, and a decrease in carbon emissions by 60,000 kg/year.

As part of their livelihood improvement program in 2019, Schneider Electric and PRADAN have already installed **800+ solar irrigation pumps impacting the lives of 16000+ women farmers.**

Speaking on the launch, **Deepak Sharma, Zone President- Greater India & MD & CEO, Schneider Electric India**, said, *"Schneider Electric believes in the crucial role of India's rural development in achieving the goal of Viksit Bharat by 2047. While significant strides have been made in placing rural India at the forefront of the country's developmental journey, accelerated access to essential services like healthcare, education, food security, livelihood opportunities, safety, and clean water is vital to creating a real impact. The development in Sehal and Chatti Village as part of the Climate Smart Village program is a testament to Schneider Electric's dedication to empowering rural communities through renewable energy, advancing a fair and inclusive energy transition, and enabling sustainable access to energy for all."*

Saroj Mahapatra, Executive Director, PRADAN, added, *"We take immense pride in this collaboration with Schneider Electric India Foundation to inaugurate the 2 Climate Smart Villages in Jharkhand. Across these 2 villages, communities would be using solar power for Irrigation, Agro-processing, Households, and other community requirements. The success of our joint initiatives has inspired us to continue this partnership in other states, and together, we will make rural India more sustainable and empowered."*

The Climate Smart Village initiative empowers rural communities through renewable energy in three key areas: sustainable agriculture, livelihood opportunities, and household electricity access. Schneider Electric is committed to continuing its efforts to support and uplift India's rural communities ensuring sustainable and innovative energy solutions are developed & deployed that foster growth for all, thereby making a strong contribution to India's Viksit Bharat mission.

About Schneider Electric

Schneider's **purpose is to create Impact** by empowering all to **make the most of our energy and resources**, bridging progress and sustainability for all. At Schneider, we call this **Life Is On**.

Our mission is to be a trusted partner in **Sustainability and Efficiency**.

We are a **global industrial technology leader** bringing world-leading expertise in electrification, automation, and digitisation to smart **industries**, resilient **infrastructure**, future-proof **data centers**, intelligent **buildings**, and intuitive **homes**. Anchored by our deep domain expertise, we provide integrated end-to-end lifecycle AI-enabled Industrial IoT solutions with connected products, automation, software, and services, delivering digital twins to enable profitable growth **for our customers**.

We are a **people company** with an ecosystem of 150,000 colleagues and more than a million partners operating in over 100 countries to ensure proximity to our customers and stakeholders. We embrace **diversity and inclusion** in everything we do, guided by our meaningful purpose of a **sustainable future for all**.

Reach out to us at [PR Desk](#)

Read more on our Partner sites: [Growth Reports Business](#) | [The Progress Catalyst](#)

Get rewarded for your reading habits on the [Dais World app!](#)