

Huawei's Digital Technologies Facilitate Successful Grid Connection of Adani 50MW PV Plant during COVID-19 Lockdown

On April 16, when India was still on lockdown due to the COVID-19 pandemic, a 50 MW PV plant in Rajasthan State was successfully connected to the power grid. This project was constructed by Adani Green Energy, a new energy subsidiary of the Indian energy conglomerate Adani Group. To date, Adani Green Energy has put 2.6 GW of renewable energy projects into operation, among which over 96% use Huawei Smart PV Solution.



Image: Adani

This project uses Huawei Smart PV 1500 V Solution, including 312 SUN2000-185KTL-INH0 smart inverters. Before India entered nationwide lockdown, comprehensive project arrangements were made; specifically, Huawei service personnel provided onsite training and demonstrated the key points to be taken into account during installation. This not only ensures that inverter installation complies with regulations, but also lays a solid foundation for subsequent commissioning. During the commissioning period when India's nationwide lockdown was being adopted, Huawei immediately established a project assurance team. Huawei service personnel collaborated with onsite engineers to quickly complete system commissioning through remote communication, ensuring that the project is not affected by the pandemic. Successful grid connection was achieved for the project two months ahead of schedule.

This project is located in a remote area with weak grids. Thanks to Huawei AI BOOST intelligent grid connection algorithms, the PV plant was successfully connected to the grid

at the first attempt and is capable of delivering significantly better power quality than other PV plants within the same area.



The pandemic has brought O&M difficulties to the PV industry. Specifically, traffic control hinders the construction and O&M of PV plants, and engineers cannot rectify faults onsite. These difficulties not only increase the demand for smart, maintenance-free products, but also drive the digital transformation of PV companies. **Huawei Smart PV Solution features maintenance-free design and Smart I-V Curve Diagnosis, which ensure a low failure rate and enable one-click remote scanning of the entire PV plant's status, negating the need for onsite inspections. In trying times, such as the current pandemic, these digital technologies play a vital role.**

2020 has been a challenging year so far; however, with the pandemic under control in China, Huawei's inverter production capacity has been fully restored. In addition, production, supply chains, and logistics have all returned to normal. We firmly believe that humankind will eventually overcome the pandemic. Huawei will always stand with customers to jointly address challenges and create a better future.