



Press Release

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FIMER POWERS 'MILESTONE' 10MW SOLAR PROJECT IN NEPAL

FIMER has supplied its inverters to Nepal's largest private solar project, which was recently commissioned in Dhalbekar region through Kushal Projects Nepal Pvt Ltd. The prestigious 10MW project will feature FIMER's central inverter PVS980-58 5MVA and 1MVA and will supply renewable power to well-known tourist areas including Janakpuri, as well as help to reduce power cuts thanks to increased stability of supply.

Nepal is predominantly dependent on hydropower for its electricity generation and aims to achieve 400MW of renewable energy by 2022. However, the country also needs an additional 200MW of energy to become self-reliant during the dry season, when its power generation drops due to fall in water levels in the rivers. In addition, certain areas, including Province 2, have no possibility to develop hydropower projects, but do have abundant sun energy that could be utilized. As such, a number of solar-powered projects are in pipeline to help bridge the power gap when hydropower is not possible.

The Mithila Saurya 10MW plant is the first privately owned solar PV (photovoltaic) plant of 10 MW AC capacity. The project is located at Dhalkebar of Dhanusha District in Province 2 and was completed in just six months despite the crisis and challenges faced due to COVID-19 pandemic. The plant has been established with an objective to fulfill Nepal's increasing energy requirements, reduce the energy dependency and enhance the economic growth in energy sector.

The solar system was developed by Eco power Development Company through a 25-year power purchase agreement (PPA) of (Nepalee Rupee) NPR 7.30/unit, which equals approximately \$0.063/unit.

The project is spread over 6.3 hectares of land and uses PV mono crystalline modules. Three FIMER PVS980-58 central inverters were specified, one with 1045 KW and two further inverters with 4500 KW each. These convert the DC current from the solar modules to 690 V AC operating at >98.8% efficiency. ONAN Outdoor Three Phase type transformer of rated capacity 1.5 MVA and 5MVA are also utilized to step up voltage to 33kV. The generated 10 MW is transmitted through 33KV high tension vacuum circuit breaker to 400/220/132/33KV grid-station at Dhalkebar, located 1km from the project site.

The Dhalbekar Grid was also inaugurated by the Honorable Prime Minister of Nepal, Shri K.P.Sharma Oli on 2nd Feb 2021 and is now generating approx. 70,000 units of electricity per day since the time of commissioning.

Sandeep Agrawal, Managing Director of Kushal projects, the EPC of the plant, said: "This installation is one of the milestone solar projects in Nepal. With the energy generated by this solar plant, we are supplying power to nearby areas like Janakpuri, one of the most famous areas for tourists across all seasons. Previously, tourism was significantly affected, due to excessive power cuts in the area. Now, as power cuts are being reduced by more than 40 percent, the local Nepalese community has significantly benefitted. Our company will continue to strive for betterment of the society and advocate for a cleaner, greener sustainable future."



KN Sreevatsa, Country Managing Director for FIMER India says: “We are committed to providing the best solution and services to our clients. Our long-lasting inverters are not only critical to maintaining uptime of such large PV plants, but also reinforces our commitment to the company’s vision of a sustainable environment.”

FIMER’s New Era brings an outstanding set of credentials that makes it a highly bankable supplier delivering high-quality solar inverters and turnkey solutions for large utility-scale photovoltaic applications.

About FIMER

FIMER is the fourth largest solar inverter supplier in the world. Specializing in solar inverters and mobility systems, it has over 1100 employees worldwide and offers a comprehensive solar solutions portfolio across all applications. FIMER’s skills are further strengthened by its bold and agile approach that sees it consistently invest in R&D. With a presence in 26 countries together with local training centers and manufacturing hubs, FIMER remains close to its customers and the ever-evolving dynamics of the energy industry.

For further details, visit our website www.fimer.com and follow our social channels:



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