

CASE STUDY

India's another big ground mounted Utility Scale Solar Project with Goodwe-HT-250KW*10 inverters commissioned at Century Plyboard Industries Ltd

Background:

Century Plyboards (India) Ltd. is an Indian manufacturer, seller and exporter of plywoods, laminates, doors, PVCs and veneers. The company offers plywood products under the brand name - Century Ply, and exports its range of products to over 20 countries. These award-winning products have been redefining Indian realty and bringing about a paradigm shift in the concept of living spaces, making Century Plyboards the largest seller of multi-use plywood and decorative veneers in the Indian organized plywood market.

It is also bringing a shift in the use of renewable energy in order to cut down costs and boost profitability by harnessing Solar Power at its units. This was among the cost-cutting measures initiated by the company. Green Energy Shift is a plan to become a part of the National Green Energy Revolution and they have succeeded in ushering into the renewable hemisphere by installing various solar projects at their units. Century Ply's intention is to contribute towards the Solar Mission of the country and actively address the issue of global warming. GoodWe has partnered with them to help them contribute to the environmental longevity and enhance the renewable footprint.



Installation details

Location: Hoshiarpur, Punjab, India
EPC: Enerparc Energy Pvt. Ltd. Bangalore
System Capacity: 2.8MW
Commission Date: 01-01-2022
Solar Panels: Renesola-440Wp
Inverters: GW250K-HT*10

Challenge:

The site is on a hilly region and since, the project commissioning was done during peak winter season, the team had to face cold waves and problem of zero visibility due to fog.

Also, the installation was done in the outskirts of the factory site where the ground was uneven which led to difficulties in transportation.

The Factory boundary is fenced but the forest area is very near, which also led to risk of wild animals entering the premise.

There are also defined protocols & strict guidelines in terms of working hours. The team has exactly 8 hours to work per day and had to finish the project within limited timeline. Moreover, the factory had numerous safety & Covid testing guidelines as protective measures.

The installation & technical parameters were quite high and the team had to ensure that the quality of work is not compromised. The look, including 360-degree view of the project, cable length, canopy all had to be perfect as the project was also monitored at every angle through CCTVs.

Solution:

The installation team ensured that the project was at par with all Quality standards.

The project is one of the biggest Ground Mounted Utility Scale Solar Project with 10 HT-250KW* GoodWe inverters powering the plant.

With cutting edge technology and an extensive list of features, the HT series offers more yield, increased reliability, lower O&M costs, increased safety, and remote monitoring, making solar projects highly reliable. These outstanding set of features were conceived to ensure the lowest levelized cost of energy (LCOE) and a utility that runs efficiently.

Century Plyboards is continuously working towards setting rooftop power plants in a timeline of 1 to 3 months with precision engineering that maximizes roof space and meets power demands at least cost. GoodWe ensures that the return on investment on the rooftop power plants of our esteemed clientele is maximized and the realization is optimum. They also want to analyse the power usage and optimize the same for further Solar projects.

GoodWe is glad to be a part of Century Ply (India) Limited's solar drive. And, this testifies our resolve at maintaining and improving quality, performance, and customer centricity.

Environmental effect:

The PV generation in this case will reduce CO2 consumption by 977,982 kg per year, which is equivalent to:



4,847,108

square meters of forest in a year



213

cars driven for 1 year



490

tonnes of coal burned



417,074

Liters of gasoline consumed



118,964,319

times of smart-phone charged



118

homes' electricity use for a year

About GoodWe

GoodWe is a world-leading PV inverter and energy storage solutions manufacturer and is listed as a public limited company on the Shanghai Stock Exchange (Stock Code: 688390).

With an accumulative delivery of more than two million inverters and installation of 35GW in more than 100 countries and regions, GoodWe was ranked as the Global No.1 storage inverter by Wood Mackenzie in 2020.

GoodWe has also ranked as one of the Top 10 inverter suppliers by IHS Markit and has achieved six consecutive TÜV Rheinland "All Quality Matters" Awards. The great reputation of the MT-Series is spreading across continents and the pace of our global deployments is expanding rapidly.