

CASE STUDY

Rs.4 Lakhs Saving on Electricity Bill Per Month @ Lamba Footwear with 400kW New GoodWe Solar Installation

Background:

Agra, known for its historical landmarks like the Taj Mahal, is now emerging as a significant player in the solar energy sector. Located in the northern state of Uttar Pradesh, India, the city is making strides in developing solar parks and encouraging rooftop solar installations with strong government support. This has positioned Agra as a key contributor to India's sustainable development goals.

Agra has a rich history in craftsmanship and is often referred to as the "Shoe Capital of India." The footwear industry in Agra is estimated to consume around 5% of the total electricity used by the entire state of Uttar Pradesh. Thus, becoming one of the biggest investors of solar market in India.

Challenge:

The footwear industry in India is one of the largest in the world, ranking as the second-largest producer of footwear globally. However, like many other industries, the footwear sector has a substantial environmental impact due to its energy-intensive manufacturing processes and use of materials such as leather, rubber, and synthetic plastics. India's footwear sector contributes to the release of harmful gases like carbon dioxide, methane, nitrous oxide, and volatile organic compounds, driven by energy consumption, chemical treatments, and fossil fuel-based production.

As the need to adopt renewable energy, improve energy efficiency, and use sustainable materials becomes more essential, solar plants are rapidly becoming a standard solution in India.

Quote:

Mr. Navneet Paul, Oscorp Technologies Director official quoted

“ *We have been recommending GoodWe Inverters to all our customers because GoodWe has a very good product. Inverters are working properly, and service support is tremendous*

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Project: Lamba Footwear Industries
Project Location: Khasra No 899, Village Runkata Tehsil Kiraoli Agra, Uttar Pradesh, India
EPC: Oscorp Technologies
Project Details: 400KWp
Inverter: GW100K-HT*4
Panel Supplier: Waaree – 575Wp
Commissioning Date: 23-04-2024
Generation till date: 235361KWH

Solution:

Lamba Footwear Industries is a prominent player in India's footwear manufacturing sector, which has turned its focus towards sustainable practices through the integration of solar energy in its operations. GoodWe is proud to install a total capacity of 400 kW solar power system with a total number of four GW100K-HT GoodWe inverters at Lamba Footwear Industries, Agra, India.

Oscorp Technologies is the EPC company that partnered with us to make this installation successful. Oscorp Technologies is one of the renowned renewable energy companies in India. They specialize in providing high-efficiency solar panels, solar inverters, and energy storage systems.

To watch full project video visit link:

<https://youtu.be/Qpa6yh82PQY?si=HNG6E7r0vsJynT6C>

Environmental Effect: 235361 kWh

108 tons of Carbon Dioxide (CO₂) equivalent to:



9,639

Gallons of diesel consumed



1,622

Tress seedling grown for 10 Years



1,08,139

pounds of coal burned



12.8

homes energy used for 1 year

About GoodWe

GoodWe is a world-leading inverter manufacturer and smart energy solution provider listed on Shanghai Stock Exchange (Stock Code: 688390). As of June 2024, GoodWe has achieved over 80 GW of global installations. The company offers an extensive range of products and solutions tailored for residential, commercial and industrial, and utility-scale PV systems, delivering reliability and high performance across its entire portfolio. GoodWe has around 5,000 employees globally, with over 1,000 dedicated to research and development. The company received TÜV Rheinland "All Quality Matters" awards for seven consecutive years and was recognized as the Global Top 3 hybrid inverter supplier by Wood Mackenzie in 2021. For more information, please visit <https://en.goodwe.com/>.

“ With this solar plant installation, we are earning a profit of ₹4 lakh per month while also reducing our carbon footprint. This is a step towards green energy, and we will continue to move forward. ”

- says Mr. Kulwant Kharbanda, General Manager of Lamba Footwear Industries