

WONDER FEEDS

Animal feeds production company goes green with solar energy



Saves approx.
10.85 tonnes
of CO₂ per year

Total
capacity of
99kWp



Wonder Feeds Limited was founded in 1999, and operated initially as a dealer in raw materials such as wheat bran, corn, and dried fish for sale to livestock farmers. After acquiring industrial mixers and a vehicle fleet in 2001, the firm became a vertically-integrated commercial animal feeds manufacturer, selling to stockists, agricultural institutions, and farmers countrywide. The company plays a vital role in its community of Nakuru town and the surrounding agricultural area. Wonder Feeds is a main customer or supplier of its wide network of small, medium and large farming organizations. In addition, Wonder Feeds employs over 100 workers and has put in place measures to ensure working conditions are safe and conducive to employees' general welfare.

CHALLENGE

Aligning manufacturing with cost efficiency

As a raw materials dealer in its early years of operations, Wonder Feeds grew the business with minimal increases in electrical demand and costs. However, when the company started operating commercial mixers and other manufacturing machinery, its operational costs - especially

those from power consumption - increased dramatically. To mitigate this effect, the firm explored ways to reduce its power costs, while also implementing its corporate sustainability objectives.

Financed by:



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SOLUTION

Green energy for feeds production

In December of 2020, REDAVIA's on-site engineers deployed a 99 kWp roofmounted solar power generation plant at Wonder Feeds in Nakuru. The power plant is installed using a grid-tied, "behind-the-meter" configuration, so that the solar plant reduces the usage of grid electricity. In this way, the solar plant reduces overall power costs, and abates the carbon emissions associated with grid power. REDAVIA ensures operational reliability through 24/7 monitoring and maintenance using a digital, remote monitoring platform and REDAVIA-trained maintenance staff on-site. REDAVIA provides the installation and monitoring as a fully-financed, full-service offer. The elimination of upfront capital and worry-free service ensures that Wonder Feeds can focus all its financial or management resources on running its core business, and rely on REDAVIA to ensure a reliable, cost-effective, and clean power supply.

*minimal
upfront
investment*



*More than
93.53 MWh
per year*



BENEFIT

Integrating business and sustainability

Over the 12 year lease term of the solar plant, the plant is projected to generate 994.81 MWh while reducing CO₂ emissions by an estimated 115.4 tonnes. In addition, the service provides meaningful financial savings for Wonder Feeds.

Abdul Parkar, Director of Wonder Feeds, said, "This partnership with REDAVIA is very timely for our business, considering the current state of the economy during this COVID-19 era. The cost savings that we are already recording are remarkable, and we look forward to a long term, win-win business relationship with REDAVIA."

With REDAVIA's lease-to own solar plant business model, Wonder Feeds can comfortably and profitably serve its customers while also achieving its sustainability objectives.

