

PLASCORP

+ RENEWABLE
ENERGY FOR WAPhoto supplied by
Westforce Construction

TAILORED STEEL REO SUPPORTS CONSTRUCTION OF HYBRID RENEWABLE POWER STATION

WHAT WE DELIVERED

PROCESSED REO BAR
STOCK REO BAR



TAILORED
STEEL REO
BAR



SCHEDULING
& TECHNICAL
SUPPORT

PROJECT DESCRIPTION

A new hybrid renewable power station was recently constructed at Lynas Rare Earths Mount Weld Operation in Western Australia. This project involved building four turbine generators, a solar PV farm and a battery energy storage system on a wind farm.

The scope of works supported the asset owner's transition to low-emission energy, off-grid power generation and moving from reliance on diesel to hybrid gas and renewable energy to reduce greenhouse gas emissions.

Reinforcement materials, including processed reo bar and stock reo bar were supplied as part of the construction works.

OUR SOLUTION

Plascorp supported the project by supplying high-quality concrete reinforcing materials tailored to tight tolerances to meet the needs of the project.

Foundation construction works were completed in this challenging and remote environment where reliability, coordination and sequencing were essential. Turbine installation specifications required every footing to be delivered to precise tolerances.

In all, 232 tonnes of processed reo and 43 tonnes of stock bar were delivered to site over 900 kilometres from Perth. Supplied product was tailored to meet the specific requirements of the hybrid power station and to support the four, huge wind turbines.

Plascorp provided scheduling support to maximise installation efficiency and coordination on site. Technical advice was provided to optimise the use of concrete reinforcing materials, maintain structural integrity and meet project timelines.

Close collaboration with on-site teams and rigorous quality control ensured all materials conformed to project specifications and standards. In total, 275 tonnes were supplied, contributing to the successful installation and long term durability and reliability of the power station's infrastructure.

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