



KIAMAL
SOLAR
FARM



Kiamal Solar Farm Newsletter - October 2019



Project Update

Construction of the **256MWp Kiamal Solar Farm (KSF)** is progressing swiftly with the completion of access and internal roads, laydown areas and construction compound. Work is well underway on installing the single axis trackers and the mounting of the solar panels.

The construction of the grid connection infrastructure is progressing which includes multiple facilities within the terminal station footprint.



Ouyen Inc. Site Visit

In July, a number of members from Ouyen Inc. were invited to a tour of the solar farm site. They were shown around all aspects of the project including getting up close to the trackers, solar panels and inverter stations. The construction activities occurring at the new substation, switchyard and SynCon yard were also viewed.

We would like to extend our thanks to the members who attended the visit and look forward to many more tours in the future.





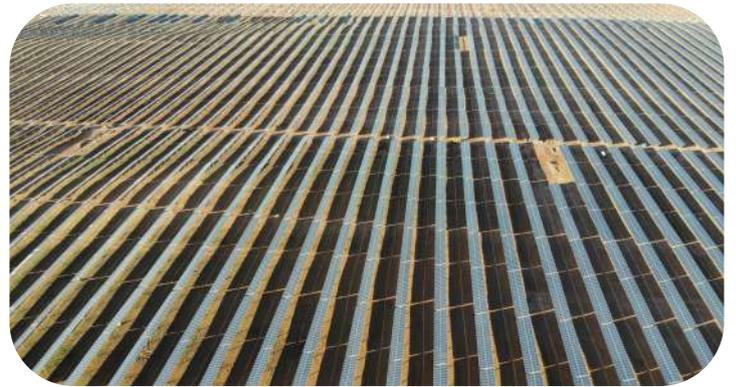
Grid Connection Signed

The **256MWp** KSF connection agreements have been finalised and signed between the following organisations:

- **Total Eren** (Kiamal Solar Farm and SynCon)
- **AEMO** (Australian Energy Market Operator)
- **AusNet Services** (Owner of the 220kV power line)
- **TransGrid** (Owner of the new Terminal Station)

This agreement ensures that the electricity generated at the solar farm can be transmitted through the **National Electricity Market (NEM)** to our customers including; **Mars, Flowpower, Alinta** and **Zero Emissions Water (ZEW)**.

The physical connection into the 220kV line is expected to occur by the end of the year.



Facts and Numbers...

- The grid stabilising **Synchronous Condenser (SynCon)** is the **first** to be installed at a solar farm in Victoria and **largest in Australia**, is rated at **190MVar** and weighs over **200 tonnes**
- Over **717,000 PV Solar Panels** are being installed on trackers mounted on more than **50,000 posts** that have been piled into the ground up to 2 metres deep
- There will be **150 individual inverters** installed within **46 Power Control Units (PCUs)**

Kiamal Solar Farm Stage 2

Development is progressing for KSF Stage 2 on the eastern side of the Mallee Highway. KSF Stage 2 will provide an additional **150MWac** of solar power which will be connected into the substation that is currently under construction.

The alignment of the proposed connection route from KSF Stage 2 to the terminal station (KMTS) is being designed to ensure minimal impact to transport and agricultural activities.

Construction is proposed to start in the second half of 2020.