

# Annexure A6 – Proposed Transmission Assets

As at the date of this Transmission Licence Application, the project comprises the following proposed transmission assets:

- 500kV double-circuit overhead transmission line from Bulgana to Tragowel, then from Tragowel to the NSW-VIC border to connect to TransGrid's portion of the project.
- New 500/220kV terminal station (near Kerang in the locality of Tragowel). Some of the main components of the terminal station will include:
  - 500kV and 220kV Switchyards with associated control equipment. Switchyards are suitable for future expansion by others.
  - 2x Power Transformers (1000MVA, 500kV/220kV)
  - 2x Static Var Compensators or STATCOMs (200MVA<sub>r</sub>, 220kV)
  - Shunt reactors on the 500kV lines in and out of the terminal station
  - Station infrastructure, auxiliary services, control buildings, etc.
- Series compensation on the 500kV transmission circuits between Bulgana and Tragowel.
- Protection and communication systems to service the 500kV transmission lines and terminal station.
- Cut-in of the existing 220 kV Kerang to Bendigo transmission line, to the new 500/220kV terminal station (near Kerang in the locality of Tragowel).
- Two new 500 kV bays and line exits with two 500 kV line shunt reactors at the new terminal station near Bulgana (by WRL project).