

The background of the entire page is a light, monochromatic image of tall, thin grasses or reeds, creating a textured, natural feel. The text is overlaid on this background.

BULGANA

GREEN POWER HUB

Construction Update

ISSUE N°1

May 2018

Terminology:

The scope of works includes 220kV Terminal Station and Interface, 33kV Substation, 15km overhead 33kV line, two (2) 220 /33kV TXs, Battery Energy Storage System (BESS) as well as fifty-six (56) WTGs configured in four (4) Collector Groups (CGs).

CG 1: BU 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 & 11;

CG 2: BU 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 25 & 26

CG3: BU 29, 30, 31, 32, 33, 34, 35, 36, 37, 49, 50, 51, 52 & 53

CG4: BU 40, 41, 42, 43, 44, 54, 55, 56, 57, 58, 59, 61, 62, 63, 64, 65, 66 & 67

The Project is also split into groups of activities:

Terminal Station and Interface Including civil and electrical installation

CBoP (Civil Balance of Plant) including internal roads, Crane Hardstand areas and foundations

EBoP (Electrical Balance of Plant) including all electrical works to be prepared before WTGs can be energized (Cable trenches, Substation electrical installation, earthing circuits, etc.) and the Battery Energy Storage System (BESS)

Wind Turbine Generators (WTG) including shipping, transport to site, installation and commissioning.

Site Establishment and mobilization to site is in progress.

Progress detail

Terminal Station and Interface

- 220kV Lines design completed
- Primary, Civil and Structural design progressing, IFC expected mid Jun
- 33kV Lines design progressing
- Construction site mobilisation occurred end of May
- Site Laydown completed, site shed & facilities delivery
- Site pad preparation progressing

Civil Balance of Plant (CBoP) Activities

- Site establishment is in progress;
- Development Plan (DP), Traffic Management Plan (TMP) and Environmental Management (EMP) have been approved by Northern Grampian Shire Council (NGSC);
- Civil construction work started in CG2

Electrical Balance of Plant (EBoP) Activities

- Design is in progress

Wind Turbine Generator (WTG)Activities:

- Procurement is underway for WTG work packages including local Towers, WTG Crane & Installation, Logistics, and Power curve Verification (PCV) equipment.

2,014

Hours worked on site

6

People on average on site



Figure 1 Ground Breaking Event



Figure 2 Start of Site Compound Works