



 General new track construction

Overhead Line (OHL) Update December 2020 Overview of the works

As part of the Dalchork Substation development, there is a requirement to provide a new 132kV Transmission line from Dalchork substation development to the existing Loch Buidhe substation, near Bonar Bridge.

Our contractor has commenced works in mid-September, forming access roads to the planned tower locations. There are several access points of the public road along the route of the OHL with the primary access point noted below:

Planned works 1st quarter of 2021 (end of April 2021):

Access Point 3A

- Continue and complete access track upgrade to Loch Laro (Tower 19)
- Continue with constructing spur roads to Tower locations (Tower 3 to Tower 18) along with working pads for foundation works
- Commence piling works at Loch Buidhe CSE compound (Tower 01) end of February 2021 to end of March 2021
- Continue with piling operations until the end of April 2021
- Commence tower foundation works March 2021 – end of June 2021.

Access Point 3B

- Continue with new access track construction from Loch Laro towards Tomich
- Commence and continue construction of spur roads to Tower locations (Tower 19 to Tower 40) along with working pads for foundation works
- Commence piling operations mid-April 2021
- Commence tower foundations work start of February 2021.

Access Point 4A

- Continue with new access track construction from Rogart Road north towards Savalbeg
- Commence construction of spur roads to Tower locations (Tower 42 to Tower 52) along with working pads for foundation works
- Commence piling operations end of May 2021
- Commence tower foundations work start of mid-February 2021.

Access Point 6

- Commence construction of new access track from Dalchork Substation to Savalbeg (Tower 61 to Tower 53)
 - Commence construction of spur roads to Tower locations
- General new track construction.

Access Point 3A

Migdale Road
near Bonar
Bridge

Access Point 3B-A836

at
Achinduich

Access Point 4A-A839

Rogart
Road

Access Point 6-A836

Dalchork
Wood

Progress update:

Access Point 3A Upgrade of the existing stone track towards Loch Laro (Tower 3 to Tower 19), progress to date, 500m south of Loch Laro (Tower 13).

Access Point 3B Completed the upgrade of the existing stone track and install contractor site compound off the edge of the existing track.

Access Point 3B Completed the upgrade of existing stone access track from the newly constructed compound towards Loch Laro.

Access Point 3B Construct new access track from the north point of Loch Laro (Tower 19) from the upgraded track towards Tomich/Existing Lairg Windfarm (Tower 41), with approximately 1500m constructed (Tower 23).

Access Point 4A Construct new access track off the A839 (Rogart Road) north towards Savalbeg. (Tower 42 to Tower 52).

Loch Buidhe Remote End Works Update – December 2020

As part of the Dalchork Substation development, there is a requirement to construct an overhead line from Dalchork to Loch Buidhe to provide transmission link to the existing substation at the existing Loch Buidhe substation near Bonar Bridge.

The overview of the Loch Buidhe Substation works:

- ① Construct an access track and CSE compound platform
- ② Install piled foundation of OHL tower
- ③ Install ducting routes from CSE compound to the existing substation
- ④ Install electrical equipment foundations
- ⑤ Install cable in the ducts
- ⑥ Install electrical equipment

The main construction works required in an around the existing Loch Buidhe substation consist of the following elements which are due to commence, January 11, 2021, until:

Planned upcoming works for the 1st quarter of 2021 – January 2021 – April 2021

- ✓ Install a contractors site compound at the existing substation this will consist of a 7no containers. Due to commence January 11, 2021, for circa 5 days.
- ✓ Once the compound has been established, our contractor will receive a number of plant deliveries, to commence the construction of an access track to the new CSE platform. The location of this platform is to the north side of the Migdale road and to the east of the existing CSE compound. The works will involve importing of stone for track construction from Breedons quarry at Ardchronie through Ardgay and up the Migdale Road in Bonar Bridge to Loch Buidhe, estimated duration for delivery of stone – 10 days.
- ✓ After the access track is constructed, our contractor will construct a small stone platform (CSE compound) which will allow for construction of a steel lattice terminal tower and HV equipment foundation to allow the Overhead line to change to an underground cable for entry into the existing Loch Buidhe substation. The works will involve importing of stone for track construction from Breedons quarry at Ardchronie through Ardgay and up the Migdale road in Bonar Bridge to Loch Buidhe, estimated duration for delivery of stone – 10 days.
- ✓ Once the platform is constructed, our contractor will mobilise a piling contractor to install in pile foundation and pile caps within the constructed stone platform. Duration – end of February 2021 – end of March 2021.
- ✓ During the piling operations, our contractor will commence the install of ducting from the CSE compound platform towards the existing Loch Buidhe substation. Duration – end of February 2021 – the start of April 2021. The works will involve importing of ducting surround material from Breedons Quarry south of Inverness during this period.
- ✓ Commence construction 2no feeder bays, 50no reinforced concrete foundations within the existing substation. This will involve concrete delivery from Pat Munro.
- ✓ Delivery and Install HV electrical equipment on the newly constructed foundations.

Dalchork Substation Development Update December 2020



General overview of the works on the Dalchork Substation Platform

The works to A836 public road has been completed with traffic management removed at the beginning of October 2020. The platform construction is nearing completion, with the blasting of rock for stone production completed in mid-November 2020. Rock processing is ongoing to generate materials for platform construction.

The progress on the following activities includes:

- Construction site drainage system (SUDS) has been installed
- Platform construction nearing completion
- Contractors site compound installed
- Upgrade and new access roads to the substation have been installed to create a suitable running surface with final running surface planned for 2nd quarter of 2021
- Upgrade and new access track to the south of the platform have been installed to allow access to the planned OHL route towards Savalbeg.

Work on the newly constructed platform has commenced with the following activities:

- Construction of Electrical reinforced concrete foundations
- Construction of the Control building foundations
- Installation of platform site drainage system.

Planned works for Dec 2020 - March 2021

- Complete platform construction
- Completed forestry access track construction
- Continue with construction of Electrical reinforced concrete foundations
- Erect portal frame for the Control building and install cladding
- Construct Control Building floor slabs and blockwork walls
- Commence Control Building internal walls and ceiling
- Commence Control Building mechanical and electrical installation (domestic)
- Continue with Installation of platform site drainage system
- Commence forestry access track construction at the bellmouth of A836 (within the site boundary)
- Deliveries of HV equipment to the site.

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