Trenches of approximately 1.2m deep will be dug, into which either the cables will be directly placed or ducts will be installed and the cables subsequently pulled through later.

Horizontal directional drilling (steerable drilling) will be used to bypass obstacles such as roads, rail and rivers with the minimum of disruption. Once the cables are installed, protective boards and marking tape will be placed over them and the trench backfilled.

Converter Station

Two converter stations (one per wind farm) will be constructed on a single site to the north of the A1079. Access to the site for construction traffic will be from a lay-by on the A1079.

The site for the converter stations covers an area of approximately 11 hectares and the final building heights could be up to 20m above the ground level.

The converter stations will convert the direct current electricity into alternative current electricity to allow its export to the grid.

National Grid Substation Connection

The projects will connect into existing grid infrastructure at the Creyke Beck Substation, which is located to the north of Cottingham. Connection bays will be installed within the existing substation containing switchgear and electrical equipment for the connection of the cables to the grid.

For more information, visit the project website: www.doggerbank.com