

# WARNING, DANGER OF DEATH

## Your proposed works are in proximity to high voltage direct current (HVDC) cables.

The East-West Interconnector (EWI) connects the Irish power system to the electricity grid in Britain through underground and undersea cables.

On Land the EWI consists of 2 number **High Voltage DC** power cables which operate at +/- 200kV (200000 volts). These cables are installed in 200mm electrical ducts. There is also a fibre optic cable in a separate 125mm electrical duct installed along with the power cables.

In **Wales** the Power and Fibre Optic ducts are **BLACK** in colour.

In **Ireland** the Power and Fibre Optic ducts are **RED** in colour.

A detailed map of the route is available online at <http://www.eirgrid.com/eastwest/>.

### (A.) To avoid Danger from the HVDC cable the owner/developer/contractor must:

1. Notify EirGrid of the location and details of the planned works. This information must be provided a minimum of 7 days before works are proposed to commence. EirGrid has made as built drawings available at <http://www.eirgrid.com/eastwest/>.
2. Provide EirGrid with a commencement date and an estimated programme for the works.
3. Where the works approach within 2 meters from the cable the owner/developer/contractor **MUST** contact TST Engineering directly to arrange on site attendance on behalf of EirGrid Interconnector Limited. TST Engineering are contactable via the phone numbers below.
4. Have in place a suitable and sufficient risk assessment & method statement which may include the following:
  - Reference to the as built drawing provided by EirGrid.
  - Arrangements for cable detection to locate the High Voltage DC cables prior to breaking ground and the location of the cables must be marked on the surface. Do not rely on the road scar.
  - The details, location and depth of the buried High Voltage DC cables and fibre optic duct. A typical trench cross section should be included.
  - Proximity to the High Voltage DC cables and fibre optic duct.
  - A statement that no works will take place within 10metres of a joint bay on the EWIC route. Note: Joints bays of the High Voltage DC cables typically consist of a chamber (7m x 3m x 1m) of cementitious bound material.

### (B.) NOTIFICATION IN THE EVENT OF EMERGENCY

In the event of an Emergency related to the East West Interconnector cables, EirGrid shall be contacted immediately.

**The Emergency (24/7) contact number: Ireland +353 1 2370924 UK +44 1244 288 353.**

### (C.) TYPICAL MINIMUM COSTS

In the event that EWI cables are damaged, EirGrid shall recover the cost of repair (together with any associated costs, losses and expenses) from the person or entity responsible for the activity which has resulted in the damage. The cost to repair damage to the land-based High Voltage DC cables and fibre optic cable as a result of a mechanical dig-in can vary depending on the extent of the damage done. Typical costs have previously been estimated at €750,000 excluding VAT to repair a single fault. A detailed statement itemising details of time, materials and any others factors will be included to support the recovery of costs.

### (D.) OTHER RELEVANT PUBLICATIONS

Other relevant publications (including any publications that supersede or replace them) that the third party must take due notice of when proposing works in the vicinity of EirGrid assets are:

- Health and Safety Authority document 'Code of Practice for Avoiding Danger from Underground Services'.
- Health and Safety Authority document 'Guidelines for Working on Roads'.
- Health and Safety Executive guidance HSG47 'Avoiding Danger from Underground Services'.