

## Temporary Building / Construction Power Supplies

### Description

When establishing a new project site, there is often a requirement to install power to temporary buildings outside of the substation earth grid boundary. To avoid the risk of transferring hazardous voltages, supplies taken from the substation local LV service should be connected via an isolating transformer, with consideration being given to specific earthing requirements.

A good example of this can be seen in the attached photographs which were taken at a project site in the SNI region.



Further reference information regarding the connection of temporary buildings can be found in the following Service Specifications and Design Standards:

**TP.SS 07.24 Work site and Mobile Plant temporary earthing and equipotential bonding in HV switchyards** (10.10 Temporary Building/Construction Power Supplies); and

**TP.DS 52.01 Design and Installation of Substation Earthing Design Standard** (3.2.1 Contact with Electricity).

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