**Substation Plant Record**

**January 2025**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Electrical Plant Record** | | | | | | **Packaged Substation** | | | | | |  | | |  | | | | | |
| **Project Ref** | | |  | | | | | | | **Project Title** | |  | | | | | | | | |
| **Client Name & Site Address** | | |  | | | | | | | | | | | | | | | | | |
|  | | |  | | | | | | | | | | | | | | | | | |
| **Substation Details: Shared Access** | | | | | | | | | | | | | | | | | | | | |
| **DNO Substation Name** |  | | | | | | | | | **DNO Substation Number** | |  | | | | | | | | |
| **mua Substation Name** |  | | | | | | | | | **mua Network Ref:** | |  | | | | | | | | |
| **ICP** |  | | | | | | | | | **Coordinates** | |  | | | | |  | | | |
| **Housing \*Delete** | \*GRP | | | \*Brick Built | | | | \*Internal | | **GPS** | |  | | | | | | | | |
| **Ring Main Unit (RMU)** | | | | | | | | | | | | | | | | | | | | |
| **Manufacturer** | |  | | | | | | | | **Type** | | |  | | | | | | | |
| **Serial Number** | |  | | | | | | | | **Year of Manufacture** | | |  | | | | | | | |
| **Service Voltage** | | kV | | | | | | | | **Ratings** | | | Busbars | | | Switch | | | | CB |
| **Insulating Medium** | | SF6 | | | Vacuum | | | | Other\* | **Nominal Current (A)** | | |  | | |  | | | |  |
| **Protection CT Ratio Setting \* Delete** | | 100A\* | | | 50A\* | | | | 5A | **Short Time Current 3s (kA)** | | |  | | |  | | | |  |
| **CB Protection \* Delete** | | Relay\* | | | | | 5A TLF\* | | | **Peak Withstand (kA)** | | |  | | |  | | | |  |
| **Protection Settings O/C** | |  | | | | |  | | |  |  | | |  | | | | |  | |
| **E/F** | |  | | | | |  | | |  |  | | |  | | | | |  | |
| **Transformer** | | | | | | | | | | | | | | | | | | | | |
| **Manufacturer** | |  | | | | | | | | **Type** | | |  | | | | | | | |
| **Serial Number** | |  | | | | | | | | **Year of Manufacture** | | |  | | | | | | | |
| **Voltage Ratio (kV/V)** | |  | | | | | | | | **Rating** | | | kVA | | | | | A | | |
| **Frequency** | |  | | | | | | | | **Impedance** | | |  | | | | | | | |
| **Vector Group** | |  | | | | | | | | **Winding Connection** | | |  | | | | |  | | |
| **Type of Cooling** | |  | | | | | | | | **Volume/Weight of Coolant** | | |  | | | | | | | |
| **No. of Taps** | |  | | | | | | | | **Selected Tap Setting** | | |  | | | | | | | |
| **Fittings \* Delete** | | Breather\* | | | | | | | | Drain Tap\* | | | Other\*(state) | | | | | | | |
|  | |  | | | | | | | |  | | |  | | | | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **ACB / MCCB** | | | | | | | |
| **Manufacturer** |  | | **Type** | | |  | |
| **Serial Number** |  | | **Rating** | | | A | |
| **Protection Unit Type** |  | |  | | |  | |
| **Protection Settings** |  |  | |  |  | |  |

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| **LV Distribution Cabinet** | | | | | | | | | | | | | |
| **Manufacturer** | |  | | | | **Type** | | | |  | | | |
| **Serial Number** | |  | | | | **Year of Manufacture** | | | |  | | | |
| **Busbar Rating** | | A | | | | **Number of Ways** | | | |  | | | |
| **Energisation** | | | | | | | | | | | | | |
| **L1 – L2** | **L1 – L3** | | **L2 – L3** | | **L1 – N/E** | | **L2 – N/E** | | **L3 – N/E** | | | **EFLI** | |
| **V** | **V** | | **V** | | **V** | | **V** | | **V** | | | **Ω** | |
|  |  | |  | |  | |  | | **Phase Rotation** | | | **S\*** | **NS\*** |
| **Item** (tick) | RMU | |  | | Transformer | |  | | LV Circuits | | |  | |
| **Additional Information** | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | |
| **Signed on Behalf of the ICP** | | | | | | | | | | | | | |
| Name | | | |  | | | | | | | | | |
| Signature | | | |  | | | | Date | | |  | | |