

# Design Submission Check List



## Please Note:

This form **MUST** be completed **in full** (tick or insert N/A in each box as applicable). It will be used by Electricity North West Limited to check that all the necessary information has been included with your design submission. Any **incomplete** design submissions may lead to it being rejected with a request for the missing information.

### Section 1 All Sites

- |   |                          |  |                          |
|---|--------------------------|--|--------------------------|
| 1.1 The Name & Address of Developer _____   | <input type="checkbox"/> | 1.7 Proposed Load Details _____                  | <input type="checkbox"/> |
| 1.2 The Name of the ICP _____   | <input type="checkbox"/> | 1.8 All (HV, LV & Services) cable routes _____   | <input type="checkbox"/> |
| 1.3 CDM - information relating to the Specific Risks associated with the site _____ | <input type="checkbox"/> | 1.9 Road Crossing details _____                  | <input type="checkbox"/> |
| 1.4 A Programme of the Works _____  | <input type="checkbox"/> | 1.10 Duct details for all Services & Mains _____ | <input type="checkbox"/> |
| 1.5 Phasing of the Work _____   | <input type="checkbox"/> | 1.11 Legal Consent information & Drawings _____  | <input type="checkbox"/> |
| 1.6 Current Drawings including an Adoption Plan with all submissions _____          | <input type="checkbox"/> | 1.12 Engineering Report _____                    | <input type="checkbox"/> |

### Section 2 Substation Sites

- |   |                          |  |                          |
|---|--------------------------|--|--------------------------|
| 2.1 Type and Specification of equipment being installed (HV & LV) _____ | <input type="checkbox"/> | 2.4 Proposal for Substation Earth _____  | <input type="checkbox"/> |
| 2.2 Civil Drawings for the Building and Plinths _____                   | <input type="checkbox"/> | 2.5 Drawing & information for the acquisition of legal consents, to include access routes to the substation for both plant and personnel _____ | <input type="checkbox"/> |
| 2.3 Specification for GRP enclosures & Manufacturers details _____      | <input type="checkbox"/> |  |                          |

### Section 3 -HV Metered Supplies

- |   |                          |   |                          |
|---|--------------------------|---|--------------------------|
| 3.1 Location of remote meter panel _____                                    | <input type="checkbox"/> | 3.3 Where HV metered circuit breaker is being installed a copy of the Customer's private HV network diagram _____ | <input type="checkbox"/> |
| 3.2 Location of Customers emergency trip button & capacitor trip unit _____ | <input type="checkbox"/> | 3.4 HV Protection details _____   | <input type="checkbox"/> |

### Section 4 LV Supplies provided from a Substation

- |   |                          |   |                          |
|---|--------------------------|---|--------------------------|
| 4.1 Size of Customer single core cables _____ | <input type="checkbox"/> | 4.3 Location of Remote metering panel _____ | <input type="checkbox"/> |
| 4.2 Length of Customer Cables _____           | <input type="checkbox"/> | 4.3 HV / LV Protection Details _____        | <input type="checkbox"/> |

### Section 5 LV Networks

- |  |                          |   |                          |
|--|--------------------------|---|--------------------------|
| 5.1 LV Schematic drawing showing proposed network and volt drop information _____      | <input type="checkbox"/> | 5.4 Volt drop & Earth Loop Impedance calculations to the most onerous points on the network (at least one calculation per LV Way out of a Substation) _____ | <input type="checkbox"/> |
| 5.2 Phase colours for single phase supply _____  | <input type="checkbox"/> | 5.5 LV & T/F protection details _____   | <input type="checkbox"/> |
| 5.3 Metering layout & equipment specification for central metering installations _____ | <input type="checkbox"/> | 5.5 Legal Consents information and drawing(s) _____   | <input type="checkbox"/> |

### Section 6 All Overhead Lines Installation

- |  |                          |   |                          |
|--|--------------------------|---|--------------------------|
| 6.1 Pole Specification (type/source of wood, height & girth) _____ | <input type="checkbox"/> | 6.6 Route survey results including ground clearances, visual impact, span lengths, section lengthy etc. _____   | <input type="checkbox"/> |
| 6.2 Conductor specification (material & cross section) _____       | <input type="checkbox"/> | 6.7 Detailed location plan for the acquisition of legal consents _____  | <input type="checkbox"/> |
| 6.3 Arrangement of pole top equipment (position & clearance) _____ | <input type="checkbox"/> | 6.8 Risk assessment of location regarding dangers of accidental contact or damage by public. Details of any nearby structures, natural or man made etc. _____ | <input type="checkbox"/> |
| 6.4 Ground conditions & pole foundation arrangements _____         | <input type="checkbox"/> |   |                          |
| 6.5 Stay arrangements _____  | <input type="checkbox"/> |   |                          |

### Section 7 Pole mounted Transformers

- |   |                          |  |                          |
|---|--------------------------|--|--------------------------|
| 7.1 Details of Pole Mounted equipment & specification _____     | <input type="checkbox"/> | 7.4 Earthing arrangements _____                                | <input type="checkbox"/> |
| 7.2 Details of any nearby structures, natural or man made _____ | <input type="checkbox"/> | 7.5 Transformer specification (maker, voltage, taps etc) _____ | <input type="checkbox"/> |
| 7.3 Fusing arrangements (HV and LV, sizes etc) _____            | <input type="checkbox"/> |  |                          |