SP Electricity North West

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 SP Electricity North West 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		1.7	Proposed Load Details	
1.2	The Name of ICP		1.8	All (HV, LV & Services) cable routes	
1.3	CDM- Information relating to the Specific Risks associated with the site		1.9	Road Crossing details	
1.4	A Programme of the works		1.10	Duct details for all Services & Mains	
1.5	Phasing of the work		1.11	Legal Consent information & Drawings	
1.6	Current Drawings including an Adoption Plan with all submissions		1.12	Engineering Report	

SECTION 2: SUBSTATION SITES					
2.1	Type and Specification of equipment being installed (HV & LV)		2.4	Proposal for Substation Earth	
2.2	Civil Drawings for the Building and Plinths		2.5	Drawing & information for the acquisition of legal consents, to include access routes to the substation for both plant and personnel	
2.3	Specification for GRP enclosures & Manufacturers details				

SECTION 3: HV METERED SUPPLIES					
3.1	Location of remote meter panel		3.3	Where HV metered circuit breaker is being installed a copy of the Customer's private HV network diagram	
3.1	Location of Customers emergency trip button & capacitor trip unit		3.4	HV Protection details	

SECTION 4: LV SUPPLIERS PROVIDED FROM A SUBSTATION					
4.1	Size of Customer single core cables		4.3	Location of Remote metering panel	
4.2	Length of Customer Cables		4.4	HV/LV Protection Details	

SECTION 5: LV NETWORKS					
5.1	LV Schematic drawing showing proposed network and volt drop information		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)	
5.2	Phase colours for single phase supply		5.5	LV & T/F protection details	
5.3	Metering layout & equipment specification for central metering installations		5.6	Legal Consents information and drawing(s)	

SECTION 6: OVERHEAD LINES INSTALLATION					
6.1	Pole Specification (type/source of wood, height & girth)		6.5	Stay arrangements	
6.2	Conductor specification (material & cross section)		6.6	Route survey results including ground clearances, visual impact, span lengths, section lengthy etc.	
6.3	Arrangement of pole top equipment (position & clearance)		6.7	Detailed location plan for the acquisition of legal consents	
6.4	Ground conditions & pole foundation arrangements		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.	

SECTION 7: POLE MOUNTED TRANSFORMERS					
7.1	Details of Pole Mounted equipment & specification		7.4	Earthing arrangements	
7.2	Details of any nearby structures, natural or man made		7.5	Transformer specification (maker, voltage, taps etc.)	
7.3	Fusing arrangements (HV and LV, sizes etc.)				