C. Electrical Substation

1	Applicant Name	
2	Contact Name	
3	Address and Applicant Details	

a) Required Electrical Substation Data

1	Geographical location of Substation and naming	Attach the corresponding Map
2	Scheduled time for connection	Estimated date for energization
3	Number of Transformers or AutoTransformers	nxMVA
4	Max load in MW for 7 years from the time of connection	Type,Section (mm^2)
5	Power factor for load max.	

b) Data for Power Transformers and Autotransformers

1	Nominal Power	(MVA)
2	Nominal Power	(kV)
3	Vector Group	

4	Windings nominal voltage	(kV)
5	Off Load losses	(kW)
6	On Load losses	(kW)
7	Short circuit voltage	(%)
8	No load current	(%)
9	Positive sequence reactance	For positions in max, min and nominal branching
10	Zero sequence reactance	
11	Tap changer level (±%) and steps	
12	Type of Tap changer (Off load/On load)	

c) Commuting Equipment Data

1	Nominal Voltage	(kV)
2	Scheduled time for connection	Estimated date for energization
3	Type of switches, circuit breakers and their main parameters	
4	Rated short circuit current for 3phase and 1 phase	(kA)
5	Details of auto-reclosing equipment and the settings	

d) Details of Control-Monitoring System, SCADA local generator, telecommunications, RTU (Unit of Distance control), etc.

e) Basic Insulation Level (BIL) in kV for:

1	Busbars	(kV)
2	Commuting equipment (switchers, circuit breakers)	
3	Current and voltage transformers	
4	Transformer branches of voltage regulation	(kA)
5	Transformer's winding	