**Appendix 3: Technical basis**

This appendix describes the technical basis for the grid connection.

**Technical data on the expansion of the electricity grid**

*Technical data on the expansion of the electricity grid can be described here, for example:*

1. *Name of substation, voltage level, point of common coupling, grid connection point etc.*
2. *Grid expansions needed for the grid connection.*
3. *Information on the Distribution System Operator of the electricity grid.*
4. *Layout drawings.*
   1. *Must include PCC and POC.*
   2. *Reference to the document name, must be attached to Appendix 6.*
5. *Single-line representation.*
   1. *Ownership limit, PCC and POC.*
   2. *Facility equipment and substations.*
   3. *Settlement metering location.*
   4. *Any other data.*

**Technical data on the electricity grid**

*Technical data on the electricity grid can be described here, for example:*

1. *Electrical values in PCC and POC.*
   1. *Typical operating voltage.*
   2. *Short circuit levels.*
   3. *Voltage increase.*
   4. *Any other data.*

**Ownership and operational responsibility limits of the generating facility**

*The ownership and operational responsibility limits can be described here.*

**Requirements and agreed settings for the generating facility as per the technical requirements**

*Requirements and agreed settings for the generating facility can be described here, for example:*

1. *Electrical quality*
   1. *Emission limits.*
2. *Agreed settings.*
   1. *Start-stop signal.*
   2. *System protection settings.*
   3. *Reactive control mode.*
   4. *Any other information.*
3. *Agreed signal exchange.*
   1. *Division of responsibility for equipment.*
   2. *Communication and equipment requirements*
   3. *Required signals at the time of commissioning.*
   4. *Any other information.*

**Settlement metering for the generating facility**

*Elements regarding the settlement metering can be described here, for example:*

1. *Settlement points.*
2. *Voltage levels.*
3. *Internal consumption.*
4. *Settlement metering rules.*
5. *Any other elements.*