

## Part 4c

### Power Park Module model data: Doubly fed induction Generating Units (please complete a separate sheet for each different Generating Unit)

Name(s) / identifiers of Generating Unit(s)

Magnetising reactance  per unit

Stator resistance  per unit

Stator reactance  per unit

Running rotor resistance  per unit

Running rotor reactance  per unit

Standstill rotor resistance  per unit

Standstill rotor reactance  per unit

State whether data is inner-outer cage  
or running-standstill

inner-outer cage  running-standstill

Rotor current limit  A

Number of pole pairs  number

Gearbox ratio  number

Generator rotor speed range – Minimum to rated speed  rpm

Electrical power output versus generator rotor speed please attach a graph or table  
Please insert the file name of the attachment here

### Generating Unit Voltage Control (to be agreed with the DNO) (see Note 10)

If operating in Power Factor control mode, preferred Power Factor

If operating in voltage control mode, voltage set point  V

If operating in reactive power control mode, reactive power set point  MVA<sub>r</sub>

Generating Unit Performance Chart attached  Yes  No  
If yes, please insert the file name of the attachment here

### HV Connected Type A, Type B, Type C and Type D Power Generating Module frequency and excitation (see Note 10)

Frequency response Droop setting in LFSM-O (All Types, see Note 11)  %

Frequency response Droop setting in LFSM-U (Types C & D only, see Note 11)  %

Governor and prime mover model attached (see Note 12)  
If yes, please insert the file name of the attachment here  Yes  No

Total effective inertia constant at rated speed (generator and prime mover)  MWsec/  
MVA

AVR / excitation model attached  Yes  No  
If yes, please insert the file name of the attachment here

### Type C and Type D Power Generating Module additional frequency response (see Note 10)

Frequency response Droop setting in FSM (if applicable)  %

Frequency response mode  FSM  LFSM