Part 4b

Power Park Module model data: Fixed speed induction Generating Units (see Notes 10 and 11) (please complete a separate sheet for each different Generating Unit)

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

Magnetising reactance (HV connected generators only)		per unit
Stator resistance (HV connected generators only)		per unit
Stator reactance (HV connected generators only)		per unit
Inner cage or running rotor resistance (HV connected generators only)		per unit
Inner cage or running rotor reactance (HV connected generators only)		per unit
Outer cage or standstill rotor resistance (HV connected generators only)		per unit
Outer cage or standstill rotor reactance (HV connected generators only)		per unit
State whether data is inner-outer cage or running-standstill (HV generators connected only)	◯ inner-outer cage ◯ running-standstill	
Number of pole pairs		number
Gearbox ratio		number
Slip at rated output (HV connected generators only)		%

Shunt capacitance connected in parallel at % of rated output: Provide as values below or attach a graph

If attaching a graph, please insert the file name of the attachment here

Starting		kVAr
20%		kVAr
40%		kVAr
60%		kVAr
80%		kVAr
100%		kVAr

Active power and reactive power: Provide as values below or attach a graph

If attaching a graph, please insert the file name of the attachment here

Active power and reactive power import during start-up		MW-MVAr
Active power and reactive power import during switching operations eg '6 to 4 pole' change-over (HV connected generators only)		MW-MVAr

Under voltage protection setting & time delay

	Per Unit V		s

Generating Unit Voltage Control (to be agreed with the DNO)

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 — MVAr

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

HV Connected Type A, Type B, Type C and Type D Power Generating Module frequency and excitation

Frequency response Droop setting in LFSM (see Note 8) — %

Governor and prime mover model attached (see Note 9)
If yes, please insert the file name of the attachment here — ◯ Yes ◯ No

Total effective inertia constant (generator and prime mover) (HV connected generators only) — MWsec/MVA

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

Type C and Type D Power Generating Module additional frequency response

Frequency response Droop setting in FSM (if applicable) — %

Frequency response mode — ◯ FSM ◯ LFSM

Note 10 – Asynchronous generators may be represented by an equivalent synchronous data set.

Note 11 – Provide the above data for each asynchronous generation set based on the number of pole sets (ie two data sets for dual speed 4/6 pole machines).