Part 4a

Synchronous Power Generating Module data: (please complete a separate sheet for each different Synchronous Generating Unit)

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

Type of Generating Unit (wound rotor, salient pole)

Positive sequence (armature) resistance (HV connected generators only)		per unit

Direct axis reactances

Sub-transient (X"d) – unsaturated		per unit
Sub-transient (X"d) – saturated		per unit
Transient (X'd) – unsaturated		per unit
Transient (X'd) – saturated (HV connected generators only)		per unit
Synchronous (Xd) – unsaturated		per unit
Synchronous (Xd) – saturated (HV connected generators only)		per unit

Time constants (HV connected only):

	Open circuit time constant		Short circuit time constant	
Direct-axis sub-transient – unsaturated		s		s
Direct-axis sub-transient – saturated		s		s
Direct-axis transient – unsaturated		s		s
Direct-axis transient –saturated		s		s

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 — MVAr

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) — ◯ Yes ◯ No

If yes, please insert the file name of the attachment here

Inertia constant (Generating Unit and prime mover) (HV connected generators only) — 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