

Facility Registration Form for Generation Settlement Facility - non-IGF (including corresponding Commissioning Registered Facility)

GENERATION SETTLEMENT FACILITY (GSF) STANDING CAPABILITY DATA			
To be completed by Market Participant / Market Support Services Licensee (with initial and company name on every page)			
Generation Facility Standing Capability Data			
Description of Data Submission ()::			
Name of Generation Settlement Facility :			
Maximum Generation Capacity (Continuous)		MW @ 32 °C	
Maximum Ramp-Up Rate		MW/min	
Maximum Ramp-Down Rate		MW/min	
Generation Facility Operational Parameters			
Type of Generation Facility:		(If others, please state):	
Fuel Type		(If others, please state):	
Installed capacity		MW @ 32 °C	
Voltage Level of Connection Point to Grid:			
Name of Transmission Licensee's substation which Facility is connected to:			
Generating Unit's main technical data (to submit Factory Acceptance Test Report)			
Name of Generating Unit:			
Unit Number:			
Manufacturer:			
Model:			
Rated Terminal Voltage:		kV	
Rated MVA Capacity:		MVA	
Rated Power Factor			
• Over-Excited (lag):			
• Under-Excited (lead):			
Direct Axis Synchronous Reactance (Xd)			
• Unsaturated:		%	
Direct axis sub-transient reactance (Xd'')			
• Unsaturated:		%	
• Saturated:		%	
Negative Sequence Reactance (X2):			
• Unsaturated:		%	
• Saturated:		%	
Zero Sequence Reactance (X0):			
• Unsaturated:		%	
• Saturated:		%	
Short Circuit Current Contribution at the Point of Common Coupling and Basis of Computation:		kA	
"Turbine + Generator" Inertia Constant (H):		MW*seconds/MVA	
Generating Unit /Generation Facility Protection			
Functional description and settings of the following:			
• Under-Frequency Relay Setting		Hz	Seconds
• Over-Frequency Relay Setting		Hz	Seconds
• Under-Voltage Relay Setting		pu	Seconds
• Over-Voltage Relay Setting		pu	Seconds

Name of Applicant:	Designation of Applicant:	Company Name:	Signature of Applicant:

GENERATION SETTLEMENT FACILITY (GSF) STANDING CAPABILITY DATA			
To be completed by Market Participant / Market Support Services Licensee (with initial and company stamp on every page)			
Generator Transformer (to submit Factory Acceptance Test Report)			
Name of Transformer:			
Unit Number:			
Manufacturer, Country:			
Model:			
Winding Connection and Vector Group:			
Cooling Method:			
Rated Capacity:	MVA		
Rated Voltage:	Primary:	kV	
	Secondary:	kV	
Nominal Voltage:	Primary:	kV	
	Secondary:	kV	
MVA base for all Impedance Data:	Rated MVA Capacity		
kV base for all Impedance Data:	kV		
Positive Sequence Impedances (to provide derivation of Resistance and Reactance)	R	X	
• @ Maximum Tap:	%	%	
• @ Minimum Tap:	%	%	
• @ Nominal Tap:	%	%	
Zero Phase Sequence Impedance (to provide derivation of Resistance and Reactance)	%	%	
Primary Side Neutral Grounded?			
If yes, Ground Resistance:	Ohm		
Ground Reactance:	Ohm		
Secondary Side Neutral Grounded?			
If yes, Ground Resistance:	Ohm		
Ground Reactance:	Ohm		
Test Report / Drawings		Reference No of submission	
Licensed Electrical Worker certified testing and commissioning reports. The reports should include detailed single-line drawing of the facility showing connection arrangement of relevant generating unit to the PSO controlled grid.			
Key Dates of Generation Facility			
For Generation Settlement Facility registration:			
Date of Generating Unit's first synchronization to the transmission system.			
Date Generating Unit commences commercial operation.			
For Commissioning Generation Facility:			
Date Generating Unit is expected to synchronise to the transmission system.			
Date Generating Unit is expected to commence commercial operation.			

Name of Applicant:	Designation of Applicant:	Company Name:	Signature of Applicant:

GENERATION SETTLEMENT FACILITY (GSF) STANDING CAPABILITY DATA					
To be completed by Market Participant / Market Support Services Licensee (with initial and company stamp on every page)					
Offtaker's Metering/Receiving Station Details					
(Brief description on the type of loads such as open-cycle gas turbines, combined-cycle plants or other plants that used natural gas in the installation.)					
Total NG consumption used for electricity generation (if applicable)			Typical		Maximum
			bbtu/day		bbtu/day
Total NG consumption used for loads (if applicable)			Typical		Maximum
			bbtu/day		bbtu/day
Maximum allowable operating pressure			barg		psig
			To provide Piping and Instrumentation diagram (P&ID) of the natural gas metering/receiving station <i>(To indicate reference of submission)</i>		
Name of Natural Gas Supplier					
Gas sources	Name of gas source	Minimum contractual pressure	Maximum Daily Quantity (MDQ)	Daily Contractual Quantity (DCQ)	Target date for gas supply
Gas source 1		barg	mmscf/day	mmscf/day	
Gas source 2		barg	mmscf/day	mmscf/day	
Gas source x		barg	mmscf/day	mmscf/day	

To be completed by EMC-MO					
<i>Name: B1-B2-B3</i>					
To be completed by PSO					
<i>Name of 66/22kV substation connected to DG:</i>					
<i>SCADA B1-B2-B3 (DG):</i>					
<i>Default Bus:</i>					
<i>Alternate Default Bus:</i>					
<i>Default Branch:</i>					
<i>SU Type:</i>					
<i>Mapping Protocol:</i>					
<i>Additional Information:</i>					

Name of Applicant:	Designation of Applicant:	Company Name:	Signature of Applicant: