Annex A.1. Template for Monthly Operations Report – Plant Operational Data (MOR-POD)

Resource ID	Region	Rated Capacity	Maximum Stable Load (Pmax)	Gross Generation	Total Station Used	Operating Hours	Forced Outage Hours	Planned Outage hours
EOF								

Reserve Shutdown Hours	Maintenance Outage Hours	Deactivated Shutdown hours	Estimated Unserved Energy	Maximum Load	Minimum Load	Average Load	Total Plant Operating and Maintenance Cost	Total Parts and Labor Cost

Annex A.2. Guidelines in Filling-up MOR-POD Template

Column	Field Name	Description	Data Format	Data Requirement
A	Resource ID	Corresponds to the Resource ID provided by the DEPDMS Administrator. **EOF (End Of File)** shall be placed after the last filled-up cell in column A.	Alphanumeric	Mandatory
B	Region	Corresponds to the Administrative Region (e.g., R1, CAR, and NCR) where the unit is located *as indicated in Appendix B.*	Alphanumeric	Mandatory
C	Rated Capacity	Corresponds to the full-load continuous gross capacity, in **MW,** of a unit under the specified conditions, as calculated from the electric generator nameplate based on the rated Power Factor.	Numeric, up to 4 decimal places	Mandatory
D	Maximum Stable Load (Pmax)	Corresponds to the maximum demand, in **MW,** that a generating unit,or generating block or module in the case of a combined cycle power plant, can reliably sustain for an indefinite period of time, based on the generator capability tests.	Numeric, up to 4 decimal places	Mandatory
E	Gross Generation	Corresponds to the amount of energy, in **MWh,** generated as metered, by the unit for the billing month. This shall include station use.	Numeric, up to 4 decimal places	Mandatory Input **0** if none
F	Total Station Used	Corresponds to the part of the generated energy, in **MW,** used to power loads within Plant facility for the billing month.	Numeric, up to 4 decimal places	Mandatory Input **0** if none
G	Operating Hours	Corresponds to the total number of hours wherein the facility is in-service state for the billing month.	Numeric, up to 4 decimal places	Mandatory Input **0** if none
H	Forced Outage Hours	Corresponds to the total number of hours a unit was in Forced outage state for the billing month.	Numeric, up to 4 decimal places	Mandatory Input **0** if none

I	Planned Outage hours	Corresponds to the total number of hours a unit was in planned outage state for the billing month.	Numeric, up to 4 decimal places	Mandatory Input **0** if none
J	Reserve Shutdown Hours	Corresponds to the number of hours a unit was in the reserve shutdown state. It is a state in which a unit is available but not in service or not electrically connected to the Grid.	Numeric, up to 4 decimal places	Mandatory Input **0** if none
K	Maintenance Outage Hours	Corresponds to the total number of hours a unit was in maintenance outage state for the billing month.	Numeric, up to 4 decimal places	Mandatory Input **0** if none
L	Deactivated Shutdown hours	Corresponds to the total number of hours a unit was in deactivated shutdown state for the billing month.	Numeric, up to 4 decimal places	Mandatory Input **0** if none
M	Estimated Unserved Energy	Corresponds to the energy, in **MWh,** not served during outage for the billing month. Estimated Unserved Energy = Pmax x Total Outage Hours (includes Planned Outage, Maintenance Outage, Forced Outage, Reserve Shutdown Hours, Deactivated Shutdown hours)	Numeric, up to 4 decimal places	Mandatory Input **0** if none
N	Maximum Load	Corresponds to the Maximum load of a generation unit, in **MW,** for the billing month	Numeric, up to 4 decimal places	Mandatory
Q	Minimum Load	Corresponds to the Lowest operating load of a generation unit, in **MW,** for the billing month.	Numeric, up to 4 decimal places	Mandatory
R	Average Load	Corresponds to the average load of a generation unit, in **MW,** for the billing month.	Numeric, up to 4 decimal places	Mandatory
S	Total Plant Operating and Maintenance Cost	Corresponds to the total amount of generation unit operating and maintenance cost, in **PhP,** for the billing month. For multiple Resources in one Facility, if Total Plant O&M is aggregated for the whole facility, the total amount should be	Numeric, up to 4 decimal places	Mandatory

		lumped in Unit 1 while for the succeeding Units, the amount should be reflected as 0.		
T	Total Parts and Labor Cost	Corresponds to the total amount of parts, labor, and materials cost, in **Php,** associated with the unplanned outage. For multiple Resources in one Facility, if Total Parts and Labor Cost is aggregated for the whole facility, the total amount should be lumped in Unit 1 while for the succeeding Units, the amount should be reflected as 0.	Numeric, up to 4 decimal places	Mandatory

Annex B.1. Template for Monthly Operations Report – Generation Sales Data (MOR-GSD)

Resource ID	Region	Customer Type	Customer List	Contracted Demand	Contracted Energy	Contracted Price	Start of Contract	End of Contract	Electricity Sold, MWh
EOF									

Annex B.2. Guidelines in Filling-up MOR-GSD Template

Column	Field Name	Description	Data Format	Data Requirement
A	Resource ID	Corresponds to the Resource ID provided by the DEPDMS Administrator. **EOF** (End Of File) shall be placed after the last filled-upcell in column A.	Alphanumeric	Mandatory *Must not be blank if any of the succeeding row/s is filled-up.
B	Region	Corresponds to the Administrative Region (e.g., R1, CAR, and NCR) where the unit is located *as indicated in Appendix B*.	Alphanumeric	Mandatory *Must not be blank if any of the succeeding row/s is filled-up.
C	Customer Type	Corresponds to the classification of customers *as indicated in Appendix C.*	Alphanumeric	Mandatory
D	Customer List	Corresponds to the specific name of customer supplied based on customer type *as indicated in Appendix A*	Alphanumeric	Mandatory
E	Contracted Demand	Corresponds to the Capacity supplied, in **MW**, per customer as stated in the contract.	Numeric, up to 4 decimal places	Mandatory* *May be blank only if column F has input
F	Contracted Energy	Corresponds to the Energy supplied, in **MWh**, per customer as stated in the contract. For WESM or if not specified in the contract, indicate the total energy sold to the customer for the billing month, as reflected in the Billing Statement.	Numeric, up to 4 decimal places	Mandatory* *May be blank only if column E has input
G	Contracted Price	Corresponds to the price in PhP/kWh as indicated in the contract. For WESM or if not specified in the contract, this shall be calculated as the total amount, in PhP, as indicated in the customer power bills (in consideration of the parameters stated in the contract or the prevailing price implemented during the billing period), divided by the Electricity Sold, in kWh.	Numeric, up to 4 decimal places	Mandatory
H	Start of Contract	Corresponds to the start date of Contract per Customer (yyyy-mm-dd)	Date in *yyyy-mm-dd* format	Blank, if not applicable

I	End of Contract	Corresponds to the End date of Contract per customer (yyyy-mm-dd)	Date in *yyyy-mm-dd* format	Blank, if not applicable
J	Electricity Sold, MWh	Corresponds to the amount of energy sold, in MWh, to the Customer for the billing month, as reflected in the Billing Statement.	Numeric, up to 4 decimal places	Mandatory

Annex C.1. Template for Monthly Operations Report – Power Supply Data (MOR-PSD)

Resource ID	Region	Electricity Purchased From	Electricity Purchased, MWh	Remarks
EOF				

Annex C.2. Guidelines in Filling-up MOR-PSD Template
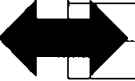
Column	Field Name	Description	Data Format	Data Requirement
A	Resource ID	Corresponds to the Resource ID provided by the DEPDMS Administrator. **EOF** (End of File) shall be placed after the last filled-up cell in column A.	Alphanumeric	Mandatory
B	Region	Corresponds to the Administrative Region (e.g., R1, CAR, and NCR) where the unit is located *as indicated in Appendix B*.	Alphanumeric	Mandatory
C	Electricity Purchased From	Corresponds to the name of facility where the generation company purchased its replacement power and/or back-feed power (e.g. WESM, IPPs) *as indicated in "INPUT" column of Appendix A*.	Alphanumeric	May be blank if the total energy delivered and/or station use is self-generated.
D	Electricity Purchased	Corresponds to the total amount of monthly electricity, in **MWh**, purchased and/or sourced by the generation company as billed in a given billing period per supply source.	Numeric, up to 4 decimal places	May be blank if the total energy delivered and/or station use is self-generated.
E	Remarks	Indicate whether electricity purchased is for: 1) *Backfeed Power;* 2) *Replacement Power;* or 3) *Not Applicable*	Alphanumeric	Mandatory

Annex D.1. Template for Monthly Operations Report – Fuel Consumption Data (MOR-FCD)

Resource ID	Region	Type of Fuel	Hourly Average Fuel Consumption	Total Fuel Consumed	Fuel Running Inventory (units)
EOF					

Fuel Running Inventory (days)	Fuel Cost	Gross Heat Rate, BTU/KWh	Net Heat Rate, BTU/KWh

Annex D.2. Guidelines in Filling-up MOR-FCD Template

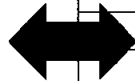| Column	Field Name	Description	Data Format	Data Requirement
A	Resource ID	Corresponds to the User ID provided by the DEPDMS Administrator. **EOF** (End Of File) shall be placed after the last filled-up cell in column A.	Alphanumeric	Mandatory
B	Region	Corresponds to the Administrative Region (e.g., R1, CAR, and NCR) where the unit is located *as indicated in Appendix B*.	Alphanumeric	Mandatory
C	Type of Fuel	Corresponds to the type/s of fuel used for a single generation unit *as indicated in Appendix D.* Use multiple rows to input various fuel types. Use separate row for Start-up Fuel.	Alphanumeric	Mandatory
D	Hourly Average Fuel Consumption	Refers to the average amount of fuel consumption of the generating unit per hour on a normal full-load operation. For Start-up Fuel, the data should be 0.	Numeric, up to 4 decimal places	Mandatory
E	Total Fuel Consumed	Corresponds to the volume or total amount of fuel consumed during the billing period. Units are specified in *Appendix D*. Use separate row for Start-up Fuel.	Numeric, up to 4 decimal places	Mandatory
F	Fuel Running Inventory (units)	Corresponds to the total stocks of fuel equivalent or running inventory including shipments in transit. Units are specified in *Appendix D*. For multiple Resources in	Numeric, up to 4 decimal places	Mandatory

Column	Field Name	Description	Data Format	Data Requirement
		one Facility with common Fuel Storage area, the data should be reflected in Unit 1 while for the succeeding Units, the data should be reflected as 0. Use separate row for Start-up Fuel.		
G	Fuel Running Inventory (days)	Corresponds to the total stocks of fuel equivalent or running inventory including shipments in transit in estimated number of days of normal power plant operation.	Numeric, up to 4 decimal places	Mandatory
H	Fuel Cost	Corresponds to the unit price of fuel used. PHP/Units as specified in *Appendix D*. Use separate row for Start-up Fuel.	Numeric, up to 4 decimal places	Mandatory
I	Gross Heat Rate (BTU/KWh)	Corresponds to the heat energy in BTU, input to a Generating Station to deliver one KWh at the generator. For start-up fuel, the data should be 0.	Numeric, up to 4 decimal places	Mandatory
J	Net Heat Rate (BTU/KWh)	Corresponds to the heat energy in BTU, input to a Generating Station to deliver one KWh at the switchyard. For start-up fuel, the data should be 0.	Numeric, up to 4 decimal places	Mandatory

Annex E.1. Template for Annual Data Requirement – Short Run Marginal Cost (SRMC)

Resource ID	Region	Name	Energy Source Code	Blend	Cold Startup Fuel Code	Cold Startup MMBtu	Cold Startup SOx rate	Cold Startup NOx rate	Cold Startup VOM
EOF									

No Load Heat MMBtu	No Load SOx	No Load NOx	No Load VOM	Minimum Run Time (in Hours)	Maximum Run Time (in Hours)	Minimum Down Time (in Hours)	Cold Startup Time (in Hours)	Cold Notification Time (in Hours)	MW

VOM Cost	Limitation Category	Timeframe (in numbers)	Start Day YYYY-MM-DD	End Day YYYY-MM-DD	Uncertainty	Type	Fuel Consumption	VOM	Staffing Type

Annex E.2. Guidelines in Filling-up SRMC Template

Column	Field Name	Description	Data Format	Data Requirement
Resource Identification Information (Columns A to B)				
A	Resource ID	Corresponds to the Resource ID provided by the DEPDMS Administrator. **EOF (End Of File)** shall be placed after the last filled-up cell in column A.	Alphanumeric	Mandatory *Must not be blank if any of the succeeding row/s is filled-up.
B	Region	Corresponds to the Administrative Region (e.g., R1, CAR, and NCR) where the unit is located *as indicated in Appendix B*.	Alphanumeric	Mandatory *Must not be blank if any of the succeeding row/s is filled-up.
Fuel Blend Information				
C	Name	User provided name for a specific fuel blend. This name can then be used anywhere that Energy Source Codes are used for this location.	Alphanumeric	Mandatory
D	Energy Source Code	Energy Source Code from contract or power plant indicating Index Price location or user-defined blend.	Alphanumeric	Mandatory
E	Blend	Portion of the blend that is made up of the above Energy Source Code. The number must be between 0 and 1 and when added to the blends from the other parts, must sum to 1.	Alphanumeric	Mandatory
Start-up Costs				
F	Cold Startup Fuel Code	Corresponds to the Energy Source Code from contract or power plant indicating Index Price location or user-defined blend. (e.g., CAEQ001 based on S&P Global Platts). Must be filled up by generating units with Biomass, Coal, Diesel, Natural Gas, and Oil-Based resource types	Alphanumeric	Blank, if not applicable

Column	Field Name	Description	Data Format	Data Requirement
G	Cold Startup MMBtu	Corresponds to the amount of energy used during the start in **MMBtu per start**. Must be filled up by generating units with Biomass, Coal, Diesel, Natural Gas, and Oil-Based resource types	Numeric, up to 4 decimal places	Must not be blank if column C is filled up
H	Cold Startup SOx rate	Corresponds to the emissions rate in lb/MMBtu for Sulphur oxide SOx for startup. Must be filled up by generating units with Biomass, Coal, Diesel, Natural Gas, and Oil-Based resource types	Numeric, up to 4 decimal places	Must not be blank if column C is filled up
I	Cold Startup NOx rate	Corresponds to the emissions rate in lb/MMBtu for nitrogen oxide NOx for startup. Must be filled up by generating units with Biomass ,Coal, Diesel, and Oil-Based, Natural Gas resource types	Numeric, up to 4 decimal places	Must not be blank if column C is filled up
J	Cold Startup VOM	Required field specifying the resource's non-fuel startup costs in **PhP per start**.	Numeric, up to 4 decimals	Mandatory
No Load Costs				
K	No Load Heat MMBtu	Specifies the energy used during no load in MMBtu.		Must not be blank if column C is filled up
L	No Load SOx	Specifies the emissions rate in lb/MMBtu for SOx for no load. Must be filled up by generating units with Biomass, Coal, Diesel, Natural Gas, and Oil-Based resource types	Numeric, up to 4 decimal places	Must not be blank if column C is filled up
M	No Load NOx	Specifies the emissions rate in lb/MMBtu for NOx for no load. Must be filled up by generating units with Biomass ,Coal, Diesel, and Oil-Based, Natural Gas resource types	Numeric, up to 4 decimal places	Must not be blank if column C is filled up
N	No Load VOM	Specifies the non-fuel no load cost in **PhP per interval** for no load.	Numeric, up to 4 decimal places	Mandatory

Column	Field Name	Description	Data Format	Data Requirement
Run Times - Refers to the amount of time a generation unit, in operating condition, functioning continuously, excluding maintenance start-up times.				
O	Minimum Run Time (in Hours)	Specifies the minimum runtime of the unit. If not specified, the minimum is 5 minutes ≈ 0.0834 hours.	Numeric, up to 4 decimal places	Mandatory
P	Maximum Run Time (in Hours)	Specifies the maximum runtime of the resource.	Numeric, up to 4 decimal places	Mandatory
Q	Minimum Down Time (in Hours)	Downtime- refers to the amount of time a generation unit was not operating. (Includes shutdown time and startup time) Specifies the minimum downtime (includes shutdown time and startup time) of the resource. If not specified, the minimum downtime is 5 minutes ≈ 0.0834 hours.	Numeric, up to 4 decimal places	Mandatory
R	Cold Startup Time (in Hours)	Cold startup time refers to the amount of time of a generation unit to reach the operating condition (Pmin) from offline state. Specifies the cold startup time. If not specified, the value is set to 5 minutes ≈ 0.0834 hours.	Numeric, up to 4 decimal places	Mandatory
S	Cold Notification Time (in Hours)	Cold notification time refers to minimum time required for a generation unit to reach online state from the time it receives the dispatch order from System Operator to the time the generation unit synchronizes to the Grid Specifies the time required prior to starting a resource that is cold. If not specified, the value is set to 5 minutes ≈ 0.0834 hours.	Numeric, up to 4 decimal places	Mandatory
Incremental Energy Information				

Column	Field Name	Description	Data Format	Data Requirement
T	MW	Refers to the total MW that can be attained within one interval, in consideration of the maximum ramp rate.	Numeric, up to 4 decimal places	Mandatory
U	VOM Cost	Required field specifying the non-fuel variable operating cost in **PhP per interval**.	Numeric, up to 4 decimal places	Mandatory
Incremental Energy Limitations				
V	Limitation Category	Category of limitation as **indicated on Appendix E.** For multiple limitations, use separate rows for each.	Alphanumeric	Blank, if not applicable
W	Timeframe (in numbers)	The timeframe for the limitation in no. of interval-e.g., 7 would be entered for a weekly limitation.	Integer	Mandatory
X	Start Day YYYY-MM-DD	The beginning of the period when the limitation is active. When a limitation only applies in a given season or period, the beginning of the season or period is entered here.	Date YYYY-MM-DD	Mandatory
Y	End Day YYYY-MM-DD	The end of the period when the limitation is active. When a limitation only applies in a given season or period, the end of the season or period is entered here.	Date YYYY-MM-DD	Mandatory
Z	Uncertainty	Description of the uncertainty associated with the limitation **indicated in Appendix F**	Alphanumeric	Mandatory
Ancillary Services Values				
AA	Type	Specifies the ancillary services product Category based on DOE DC2021-03-0009 (Contingency, Regulating, Dispatchable)	Alphanumeric	Mandatory
AB	Fuel Consumption	Field specifying the additional energy used while providing regulation in **MMBtu per hour** compared to being dispatchable at the same output. Only applies to regulating reserve.	Numeric, up to 4 decimal places	Blank, if not applicable

Column	Field Name	Description	Data Format	Data Requirement
AC	VOM	Field specifying the resource's additional non-fuel costs in **PhP per interval** compared to not providing the service at the same output. Only applies to regulating reserve	Numeric, up to 4 decimal places	Blank, if not applicable
Staffing				
AD	Staffing Type	Field specifying the resource's summer or rainy season staffing patterns. (e.g., 12x5/Summer, 24x7/Rainy or unstaffed)	Alphanumeric	Mandatory

Annex F.1. Template for Annual Data Requirement – Net Revenue (NR)

Resource ID	Region	Full Load Heat Rate	Min Gen Heat Rate	Startup Cost	VOM Cost	Fuel Price
EOF						

Annex F.2. Guidelines in Filling-up NR Template

Column	Field Name	Description	Data Format	Data Requirement
A	Resource ID	Corresponds to the Resource ID provided by the DEPDMS Administrator. **EOF (End Of File)** shall be placed after the last filled-up cell in column A.	Alphanumeric	Mandatory *Must not be blank if any columns to the right is filled-up.
B	Region	Corresponds to the Administrative Region (e.g., R1, CAR, and NCR) where the unit is located *as indicated in Appendix B*.	Alphanumeric	Mandatory
C	Full Load Heat Rate	Full Load Heat Rate is the heat rate of operating the unit at the maximum stable load (PMAX) Generic estimate based on size and age of the unit	Numeric, up to 4 decimal places	Mandatory
D	Min Gen Heat Rate	Min Gen Heat rate is the heat rate of operating the unit at the minimum stable load (PMIN). Based on the hourly cost of operating the unit at the minimum stable load (PMIN) Generic estimate based on size and age of the unit	Numeric, up to 4 decimal places	Mandatory
E	Startup Cost	Generic estimate based on size and age of the unit; Start up cost reflects the starts-related maintenance costs as specified in the bilateral contracts Startup costs consist of costs that are incurred to transition a resource from an offline state to an online state and synchronized to the grid. Components of startup costs include variable operations and maintenance ("VOM") expenses, fuel consumed during the startup period, and shutdown costs. Startup costs often also reflect long-term service agreements with	Numeric, up to 4 decimal places	Mandatory

Column	Field Name	Description	Data Format	Data Requirement
		major maintenance vendors that may be reflected in the VOM component.		
F	VOM Cost	Variable Operations and Maintenance cost Generic estimate based on size and age of the unit	Numeric, up to 4 decimal places	Mandatory
G	Fuel Price	Gas Price (Php/kg)-Required field is comprising of daily Gas Price information for delivery in the region. Has to reflect prices for specific location and timeframe of interest. Coal Price (Php/ton)-Required field is comprising of daily Coal Price information for delivery in the region. Has to reflect prices for specific location and timeframe of interest. Oil Price (Php/barrel)-Required field is comprising of daily Oil Price information for delivery in the region. Has to reflect prices for specific location and timeframe of interest.	Numeric, up to 4 decimal places	Mandatory

Annex G.1. Template for Annual Data Requirement – Cost of New Entry (CONE)

Resource ID	Region	Capital Cost	Carrying Charge Rate	Fixed Operations and Maintenance Cost
EOF				

Annex G.2. Guidelines in Filling-up CONE Template

Column	Field Name	Description	Data Format	Data Requirement
A	Resource ID	Corresponds to the Resource ID provided by the DEPDMS Administrator. **EOF (End Of File)** shall be placedafter the last filled-up cell in column A.	Alphanumeric	Mandatory *Must not be blank if any columns to the right is filled-up.
B	Region	Corresponds to the Administrative Region (e.g., R1, CAR, and NCR) where the unit is located *as indicated in Appendix B*.	Alphanumeric	Mandatory
C	Capital Cost	Investment or Capital cost in (Php/ KW)	Numeric, up to 4 decimal places	Mandatory
D	Carrying Charge Rate	Carrying Charge Rate is based on the project's financing assumptions: **1) Debt to Equity ratio, 2) Cost of Debt, 3) Cost of Equity, 4) Amortization period, 5) Depreciation Schedule, and 6) Tax assumptions**	Numeric, up to 4 decimal places	Mandatory
E	Fixed Operations and Maintenance Cost	Fixed Operations and Maintenance Cost are costs to be expended to maintain the resource over its economic life	Numeric, up to 4 decimal places	Mandatory

Annex H.1. Template for Generation Company – Profile (GEN-PROFILE)

Resource ID	Region	Resource Type	Office Address	Head of Company	Position/ Designation	Contact No.	Email Address/es	Effective Date
EOF								

Annex H.2. Guidelines in Filling-up GEN-PROFILE Template

Column	Field Name	Description	Data Format	Data Requirement
A	Resource ID	Corresponds to the Resource ID provided by the DEPDMS Administrator. **EOF** (End Of File) shall be placedafter the last filled-up cell in column A.	Alphanumeric	Mandatory
B	Region	Corresponds to the AdministrativeRegion (e.g., R1, CAR, and NCR)where the unit is located *as indicated in Appendix B*.	Alphanumeric	Mandatory
C	Resource Type	Corresponds to the type of fuel used or type of energy resource of plants used to generate electricity (e.g., Geothermal, Coal, Oil Biomass, Natural Gas, etc.)	Alphanumeric	Mandatory
D	Office Address	Corresponds to the main office address of the Generation Company. **Never use comma (,).** Use forward slash (/) as line separation instead of comma (,). e.g. Energy Center/ Rizal Drive/ BGC/ Taguig City	Alphanumeric	Mandatory
E	Head of Company	Name of the Head of Company	Alphanumeric	Mandatory
F	Position/ Designation	Position/Designation of the Head of Company	Alphanumeric	Mandatory
G	Contact No.	Official Telephone or mobile number	Numeric	Mandatory
H	Email Address/es	Office email address	Alphanumeric	Mandatory
I	Effective Date	Date of effectivity of changes	Date in *yyyy-mm-dd* format	Mandatory