Monitoring Report Sheet (Input Sheet) [For Verification]

Table 1: Parameters monitored ex post

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
Monitoring period	Monitoring point No.	Parameters	Description of data	Monitored Values	Units	Monitoring option	Source of data	Measurement methods and procedures	Monitoring frequency	Other comments
2015/12/01- 2015/12/31	(1)	ΣEG _{i,p}	The total quantity of the electricity generated in the project during the period <i>p</i>	44.91	MWh/p	Option C	Measured data	The AC output of the inverters is measured to determine the amount of net electricity generation by the solar PV system. The reading is taken from an electricity meter. The reading is taken manually. The electricity meter is calibrated or replaced every five years after electricity measurement starts. Two electricity meters are installed at this project. Subproject 1 started metering on 23 October 2014. Subproject 2 started metering on 4 December 2014. Metering started on the day of comissioning which is the starting day of operation. Calibration or replacement is not required at this time. The accuracy level of electricity meter is certified by an independent test lab to ANSI C12.20 national accuracy standards (+/- 0.2% from 1% to 100% of rated load). The reading is checked to eliminate discrepancy in line with the monitoring structure sheet.	Monthly	n/a

Table 2: Project-specific parameters fixed ex ante

(a) Parameters	(b) Description of data	(c) Estimated Values	(d) Units	(e) Source of data	(f) Other comments
FFor	The reference CO ₂ emission factor of grid and captive electricity	0.533	tCO ₂ /MWh	The default emission factor is derived from the result of the survey on the new high-efficient engines using diesel fuel as a power source. The default value should be revised if necessary from the survey result which is conducted by the JC or project participants every three years.	n/a

Table3: Ex-post calculation of CO₂ emission reductions

Monitoring Period		CO ₂ emission reductions	Units
2015/12	2/01-2015/12/31	23	tCO ₂ /p

Option A	Based on public data which is measured by entities other than the project participants (Data used: publicly recognized data such as statistical data and specifications)
Option B	Based on the amount of transaction which is measured directly using measuring equipments (Data used: commercial evidence such as invoices)
Option C	Based on the actual measurement using measuring equipments (Data used: measured values)

:	Reference Number: PW001
i	EG _{i,p}
solar PV system	The quantity of the electricity generated by the project
number	solar PV system <i>i</i> during the period <i>p</i>
	MWh/p
1	25.07
2	19.84
3	10.01
4	
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Monitoring Report Sheet (Calculation Process Sheet) [For Verification]

1. Calculations for emission reductions	Fuel type	Value	Units	Parameter
Emission reductions during the period <i>p</i>	n/a	23.9	tCO ₂ /p	ER _p
2. Selected default values, etc.				
The reference CO ₂ emission factor of the grid and captive electricity	Electricity	0.533	tCO ₂ /MWh	EF _{RE}
3. Calculations for reference emissions				
Reference emissions during the period <i>p</i>	n/a	23.9	tCO ₂ /p	RE _p
The total quantity of the electricity generated in the project during the period <i>p</i>	Electricity	44.91	MWh/p	ΣEG _{i,p}
The reference CO ₂ emission factor of the grid and captive electricity	Electricity	0.533	tCO ₂ /MWh	EF _{RE}
4. Calculations of the project emissions				
Project emissions during the period p	n/a	0.0	tCO ₂ /p	PEp

The reference CO ₂ emission factor of the grid and	0.533	tCO ₂ /MWh
captive electricity	0.555	1002/1010011

Monitoring Report Sheet (Input Sheet) [For Verification]

Table 1: Parameters monitored ex post

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
Monitoring period	Monitoring point No.	Parameters	Description of data	Monitored Values	Units	Monitoring option	Source of data	Measurement methods and procedures	Monitoring frequency	Other comments
2016/01/01- 2016/12/31	(1)	ΣEG _{i,p}	The total quantity of the electricity generated in the project during the period <i>p</i>	507.16	MWh/p	()ntion (:	Measured data	The AC output of the inverters is measured to determine the amount of net electricity generation by the solar PV system. The reading is taken from an electricity meter. The reading is taken manually. The electricity meter is calibrated or replaced every five years after electricity measurement starts. Two electricity meters are installed at this project. Subproject 1 started metering on 23 October 2014. Subproject 2 started metering on 4 December 2014. Metering started on the day of comissioning which is the starting day of operation. Calibration or replacement is not required at this time. The accuracy level of electricity meter is certified by an independent test lab to ANSI C12.20 national accuracy standards (+/- 0.2% from 1% to 100% of rated load). The reading is checked to eliminate discrepancy in line with the monitoring structure sheet.	Monthly	n/a

 Table 2: Project-specific parameters fixed ex ante

(a)	(b)	(c)	(d)	(e)	(f)
Parameters	Description of data	Estimated Values	Units	Source of data	Other comments
FF _{DF}	The reference CO ₂ emission factor of grid and captive electricity	0.533	tCO ₂ /MWh	The default emission factor is derived from the result of the survey on the new high-efficient engines using diesel fuel as a power source. The default value should be revised if necessary from the survey result which is conducted by the JC or project participants every three years.	n/a

Table3: Ex-post calculation of CO₂ emission reductions

Monitoring Period	CO ₂ emission reductions	Units
2016/01/01-2016/12/31	270	tCO ₂ /p

Option A	Based on public data which is measured by entities other than the project participants (Data used: publicly recognized data such as statistical data and specifications)
Option B	Based on the amount of transaction which is measured directly using measuring equipments (Data used: commercial evidence such as invoices)
Option C	Based on the actual measurement using measuring equipments (Data used: measured values)

	Reference Number: PW001				
i	EG_i,p				
solar PV system	The quantity of the electricity generated by the project				
number	solar PV system <i>i</i> during the period <i>p</i>				
Hullibel					
	MWh/p				
1	289.84				
2	217.32				
3					
4					
5					
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10					
11					
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Monitoring Report Sheet (Calculation Process Sheet) [For Verification]

1. Calculations for emission reductions	Fuel type	Value	Units	Parameter
Emission reductions during the period <i>p</i>	n/a	270.3	tCO ₂ /p	ER _p
2. Selected default values, etc.				
The reference CO ₂ emission factor of the grid and captive electricity	Electricity	0.533	tCO ₂ /MWh	EF _{RE}
3. Calculations for reference emissions				
Reference emissions during the period <i>p</i>	n/a	270.3	tCO ₂ /p	RE _p
The total quantity of the electricity generated in the project during the period <i>p</i>	Electricity	507.16	MWh/p	ΣEG _{i,p}
The reference CO ₂ emission factor of the grid and captive electricity	Electricity	0.533	tCO ₂ /MWh	EF _{RE}
4. Calculations of the project emissions				
Project emissions during the period p	n/a	0.0	tCO ₂ /p	PEp

The reference CO ₂ emission factor of the grid and	0.533	tCO ₂ /MWh
captive electricity	0.555	1002/1010011

Monitoring Report Sheet (Input Sheet) [For Verification]

Table 1: Parameters monitored ex post

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
Monitoring period	Monitoring point No.	Parameters	Description of data	Monitored Values	Units	Monitoring option	Source of data	Measurement methods and procedures	Monitoring frequency	Other comments
2017/01/01- 2017/12/31	(1)	ΣEG _{i,p}	The total quantity of the electricity generated in the project during the period <i>p</i>	468.46	MWh/p	()ntion (:	Measured data	The AC output of the inverters is measured to determine the amount of net electricity generation by the solar PV system. The reading is taken from an electricity meter. The reading is taken manually. The electricity meter is calibrated or replaced every five years after electricity measurement starts. Two electricity meters are installed at this project. Subproject 1 started metering on 23 October 2014. Subproject 2 started metering on 4 December 2014. Metering started on the day of comissioning which is the starting day of operation. Calibration or replacement is not required at this time. The accuracy level of electricity meter is certified by an independent test lab to ANSI C12.20 national accuracy standards (+/- 0.2% from 1% to 100% of rated load). The reading is checked to eliminate discrepancy in line with the monitoring structure sheet.	Monthly	n/a

Table 2: Project-specific parameters fixed ex ante

(a)	(b)	(c)	(d)	(e)	(f)
Parameters	Description of data	Estimated Values	Units	Source of data	Other comments
	The reference CO ₂ emission factor of grid and captive electricity	0.533	tCO ₂ /MWh	The default emission factor is derived from the result of the survey on the new high-efficient engines using diesel fuel as a power source. The default value should be revised if necessary from the survey result which is conducted by the JC or project participants every three years.	n/a

Table3: Ex-post calculation of CO₂ emission reductions

Monitoring Period	CO ₂ emission reductions	Units
2017/01/01-2017/12/31	249	tCO ₂ /p

-	<u> </u>	
	Option A	Based on public data which is measured by entities other than the project participants (Data used: publicly recognized data such as statistical data and specifications)
	Option B	Based on the amount of transaction which is measured directly using measuring equipments (Data used: commercial evidence such as invoices)
	Option C	Based on the actual measurement using measuring equipments (Data used: measured values)

	Reference Number: PW0				
i EG _{i,p}					
solar PV system	The quantity of the electricity generated by the project				
number	solar PV system <i>i</i> during the period <i>p</i>				
Hambon					
	MWh/p				
1	276.96				
2	191.50				
3					
4					
5					
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Monitoring Report Sheet (Calculation Process Sheet) [For Verification]

1. Calculations for emission reductions	Fuel type	Value	Units	Parameter
Emission reductions during the period <i>p</i>	n/a	249.7	tCO ₂ /p	ER _p
2. Selected default values, etc.				
The reference CO ₂ emission factor of the grid and captive electricity	Electricity	0.533	tCO ₂ /MWh	EF _{RE}
3. Calculations for reference emissions				
Reference emissions during the period <i>p</i>	n/a	249.7	tCO ₂ /p	RE _p
The total quantity of the electricity generated in the project during the period <i>p</i>	Electricity	468.46	MWh/p	ΣEG _{i,p}
The reference CO ₂ emission factor of the grid and captive electricity	Electricity	0.533	tCO ₂ /MWh	EF _{RE}
4. Calculations of the project emissions				
Project emissions during the period p	n/a	0.0	tCO ₂ /p	PEp

The reference CO ₂ emission factor of the grid and	0.533	tCO ₂ /MWh
captive electricity	0.555	

Monitoring Report Sheet (Input Sheet) [For Verification]

Table 1: Parameters monitored ex post

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
Monitoring period	Monitoring point No.	Parameters	Description of data	Monitored Values	Units	Monitoring option	Source of data	Measurement methods and procedures	Monitoring frequency	Other comments
2018/01/01- 2018/12/31	(1)	ΣEG _{i,p}	The total quantity of the electricity generated in the project during the period <i>p</i>	483.70	MWh/p	(Contion (C	Measured data	The AC output of the inverters is measured to determine the amount of net electricity generation by the solar PV system. The reading is taken from an electricity meter. The reading is taken manually. The electricity meter is calibrated or replaced every five years after electricity measurement starts. Two electricity meters are installed at this project. Subproject 1 started metering on 23 October 2014. Subproject 2 started metering on 4 December 2014. Metering started on the day of comissioning which is the starting day of operation. Calibration or replacement is not required at this time. The accuracy level of electricity meter is certified by an independent test lab to ANSI C12.20 national accuracy standards (+/- 0.2% from 1% to 100% of rated load). The reading is checked to eliminate discrepancy in line with the monitoring structure sheet.	Monthly	n/a

Table 2: Project-specific parameters fixed ex ante

 (a)	(b)	(c)	(d)	(e)	(f)
Parameters	Description of data	Estimated Values		Source of data	Other comments
FF _{DF}	The reference CO ₂ emission factor of grid and captive electricity	0.533	tCO ₂ /MWh	The default emission factor is derived from the result of the survey on the new high-efficient engines using diesel fuel as a power source. The default value should be revised if necessary from the survey result which is conducted by the JC or project participants every three years.	n/a

Table3: Ex-post calculation of CO₂ emission reductions

Monitoring Period	CO ₂ emission reductions	Units
2018/01/01-2018/12/31	257	tCO ₂ /p

Option A	Based on public data which is measured by entities other than the project participants (Data used: publicly recognized data such as statistical data and specifications)
Option B	Based on the amount of transaction which is measured directly using measuring equipments (Data used: commercial evidence such as invoices)
Option C	Based on the actual measurement using measuring equipments (Data used: measured values)

	Reference Number: PW001
i	EG_i,p
solar PV system	The quantity of the electricity generated by the project
number	solar PV system <i>i</i> during the period <i>p</i>
Hambei	
	MWh/p
1	273.72
2	209.98
3	
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Monitoring Report Sheet (Calculation Process Sheet) [For Verification]

1. Calculations for emission reductions	Fuel type	Value	Units	Parameter
Emission reductions during the period <i>p</i>	n/a	257.8	tCO ₂ /p	ER _p
2. Selected default values, etc.				
The reference CO ₂ emission factor of the grid and captive electricity	Electricity	0.533	tCO ₂ /MWh	EF _{RE}
3. Calculations for reference emissions				
Reference emissions during the period <i>p</i>	n/a	257.8	tCO ₂ /p	RE _p
The total quantity of the electricity generated in the project during the period <i>p</i>	Electricity	483.70	MWh/p	$\Sigma EG_{i,p}$
The reference CO ₂ emission factor of the grid and captive electricity	Electricity	0.533	tCO ₂ /MWh	EF _{RE}
4. Calculations of the project emissions				
Project emissions during the period p	n/a	0.0	tCO ₂ /p	PEp

The reference CO ₂ emission factor of the grid and	0.533	tCO ₂ /MWh
captive electricity	0.555	

Monitoring Report Sheet (Input Sheet) [For Verification]

Table 1: Parameters monitored ex post

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
Monitoring period	Monitoring point No.	Parameters	Description of data	Monitored Values	Units	Monitoring option	Source of data	Measurement methods and procedures	Monitoring frequency	Other comments
2019/01/01- 2019/12/31	(1)	$\Sigma EG_{i,p}$	The total quantity of the electricity generated in the project during the period <i>p</i>	459.67	MWh/p	Contion C	Measured data	Imetering on 4 December 2014 Wetering started on the day of comissioning which is	Monthly	n/a

Table 2: Project-specific parameters fixed ex ante

(a)	(b)	(c)	(d)	(e)	(f)
Parameters	Description of data	Estimated Values	Units	Source of data	Other comments
FF _{DF}	The reference CO ₂ emission factor of grid and captive electricity	0.533	tCO ₂ /MWh	The default emission factor is derived from the result of the survey on the new high-efficient engines using diesel fuel as a power source. The default value should be revised if necessary from the survey result which is conducted by the JC or project participants every three years.	n/a

Table3: Ex-post calculation of CO₂ emission reductions

Monitoring Period	CO ₂ emission reductions	Units
2019/01/01-2019/12/31	245	tCO ₂ /p

Option A	Based on public data which is measured by entities other than the project participants (Data used: publicly recognized data such as statistical data and specifications)
Option B	Based on the amount of transaction which is measured directly using measuring equipments (Data used: commercial evidence such as invoices)
Option C	Based on the actual measurement using measuring equipments (Data used: measured values)

	Reference Number: PW001					
i	EG _{i,p}					
solar PV system	The quantity of the electricity generated by the project					
number	solar PV system <i>i</i> during the period <i>p</i>					
Hambon						
	MWh/p					
1	264.83					
2	194.84					
3						
4						
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Monitoring Report Sheet (Calculation Process Sheet) [For Verification]

1. Calculations for emission reductions	Fuel type	Value	Units	Parameter
Emission reductions during the period p	n/a	245.0	tCO ₂ /p	ER _p
2. Selected default values, etc.				
The reference CO ₂ emission factor of the grid and captive electricity	Electricity	0.533	tCO ₂ /MWh	EF _{RE}
3. Calculations for reference emissions				
Reference emissions during the period <i>p</i>	n/a	245.0	tCO ₂ /p	RE _p
The total quantity of the electricity generated in the project during the period <i>p</i>	Electricity	459.67	MWh/p	ΣEG _{i,p}
The reference CO ₂ emission factor of the grid and captive electricity	Electricity	0.533	tCO ₂ /MWh	EF _{RE}
4. Calculations of the project emissions				
Project emissions during the period p	n/a	0.0	tCO ₂ /p	PEp

The reference CO ₂ emission factor of the grid and	0.533	tCO ₂ /MWh
captive electricity	0.555	1002/1010011

Monitoring Report Sheet (Input Sheet) [For Verification]

Table 1: Parameters monitored ex post

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
Monitoring period	Monitoring point No.	Parameters	Description of data	Monitored Values	Units	Monitoring option	Source of data	Measurement methods and procedures	Monitoring frequency	Other comments
2020/01/01- 2020/12/31	(1)	ΣEG _{i,p}	The total quantity of the electricity generated in the project during the period <i>p</i>	450.23	MWh/p	ICONTION C.	Measured data	The AC output of the inverters is measured to determine the amount of net electricity generation by the solar PV system. The reading is taken from an electricity meter. The reading is taken manually. The electricity meter is calibrated or replaced every five years after electricity measurement starts. Two electricity meters are installed at this project. Subproject 1 started metering on 23 October 2014. Subproject 2 started metering on 4 December 2014. Metering started on the day of comissioning which is the starting day of operation. The meter for Subproject 1 was replaced on 2 November 2019. The meter for Subproject 2 was replaced on 11 February 2020. Both meters started measurement on the day of replacement. Calibration or replacement is not required at this time. The electricity meters are certified according to ANSI C12.20. The reading is checked to eliminate discrepancy in line with the monitoring structure sheet.	Monthly recording	n/a

 Table 2: Project-specific parameters fixed ex ante

(a)	(b)	(c)	(d)	(e)	(f)
Parameters	Description of data	Estimated Values	Units	Source of data	Other comments
H-H-D-	The reference CO ₂ emission factor of grid and captive electricity	0.533	tCO ₂ /MWh	The default emission factor is derived from the result of the survey on the new high-efficient engines using diesel fuel as a power source. The default value should be revised if necessary from the survey result which is conducted by the JC or project participants every three years.	n/a

Table3: Ex-post calculation of CO₂ emission reductions

Monitoring Period	CO ₂ emission reductions	Units
2020/01/01-2020/12/31	239	tCO ₂ /p

Option A	Based on public data which is measured by entities other than the project participants (Data used: publicly recognized data such as statistical data and specifications)
Option B	Based on the amount of transaction which is measured directly using measuring equipments (Data used: commercial evidence such as invoices)
Option C	Based on the actual measurement using measuring equipments (Data used: measured values)

	Reference Number: PW001					
i	EG _{i,p}					
solar PV system	The quantity of the electricity generated by the project					
number	solar PV system <i>i</i> during the period <i>p</i>					
Tidiliboi						
	MWh/p					
1	278.49					
2	171.74					
3						
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Monitoring Report Sheet (Calculation Process Sheet) [For Verification]

1. Calculations for emission reductions	Fuel type	Value	Units	Parameter
Emission reductions during the period <i>p</i>	n/a	240.0	tCO ₂ /p	ER _p
2. Selected default values, etc.				
The reference CO ₂ emission factor of the grid and captive electricity	Electricity	0.533	tCO ₂ /MWh	EF _{RE}
3. Calculations for reference emissions				
Reference emissions during the period <i>p</i>	n/a	240.0	tCO ₂ /p	RE _p
The total quantity of the electricity generated in the project during the period <i>p</i>	Electricity	450.23	MWh/p	ΣEG _{i,p}
The reference CO ₂ emission factor of the grid and captive electricity	Electricity	0.533	tCO ₂ /MWh	EF _{RE}
4. Calculations of the project emissions				
Project emissions during the period p	n/a	0.0	tCO ₂ /p	PEp

The reference CO ₂ emission factor of the grid and	0 533	tCO ₂ /MWh
captive electricity	0.555	1002/10/07/1