Monitoring Report Sheet (Input Sheet) [For Verification]

Table 1: Parameters monitored *ex post*

(a) Monitoring point No.	(b) Monitoring point No.	(c) Parameters	(d) Description of data	(e) Monitored Values	(f) Units	(g) Monitoring option	(h) Source of data	(i) Measurement methods and procedures	(j) Monitoring frequency	(k) Other comments
2016/12/14-2016/12/31	(1)	$\Sigma EG_{i,p}$	Total quantity of electricity generated by project solar PV systems during period *p*	0.00	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 manually. The reading is checked to eliminate discrepancy. QA/QC is implemented by following the monitoring manual. The electricity meter is certified by a factory test to comply with Measuring Instruments (MID) Class C accuracy standards. The electricity meter is not replaced or calibrated because a type approval and manufacturer's specification have been prepared. The start date of measuring the electricity generation by the system is set as the base date for counting the ten-year interval. The date is 14 December 2016.	Monthly recording	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
EF_{RE}	Reference CO_2 emission factor	0.533	tCO_2/MWh	The default emission factor is derived from the result of the study on the Kenyan grid emission factors and the survey on the new high-efficient engines using diesel fuel as the power source.	n/a

Table3: *Ex-post* calculation of CO_2 emission reductions

Monitoring Period	CO_2 emission reductions	Units
2016/12/14-2016/12/31	0	tCO_2/p

[Monitoring option]

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)

i Solar PV system number	$EG_{i,p}$ Quantity of electricity generated by project solar PV system i during period p MWh/p
1	0.00
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
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46	
47	
48	
49	
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i	$EG_{i,p}$
Solar PV system number	Quantity of electricity generated by project solar PV system i during period p
	MWh/p
51	
52	
53	
54	
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56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
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i	$EG_{i,p}$
Solar PV system number	Quantity of electricity generated by project solar PV system i during period p

Monitoring Report Sheet (Calculation Process Sheet) [For Verification]

1. Calculations for emission reductions	Fuel type	Value	Units	Parameter
Emission reductions during period p	n/a	0.0	tCO_2/p	ER_p
2. Selected default values, etc.				
Reference CO_2 emission factor	Electricity	0.533	tCO_2/MWh	EF_{RE}
3. Calculations for reference emissions				
Reference emissions during period p	n/a	0.0	tCO_2/p	RE_p
Total quantity of electricity generated by project solar PV systems during period p	Electricity	0.00	MWh/p	$\Sigma EG_{i,p}$
Reference CO_2 emission factor	Electricity	0.533	tCO_2/MWh	EF_{RE}
4. Calculations of the project emissions				
Project emissions during period p	n/a	0.0	tCO_2/p	PE_p

[List of Default Values]

Reference CO_2 emission factor	0.533	tCO_2/MWh

Monitoring Report Sheet (Input Sheet) [For Verification]

Table 1: Parameters monitored *ex post*

(a) Monitoring point No.	(b) Monitoring point No.	(c) Parameters	(d) Description of data	(e) Monitored Values	(f) Units	(g) Monitoring option	(h) Source of data	(i) Measurement methods and procedures	(j) Monitoring frequency	(k) Other comments
2017/1/1-2017/12/31	(1)	$\Sigma EG_{i,p}$	Total quantity of electricity generated by project solar PV systems during period p	682.10	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 manually. The reading is checked to eliminate discrepancy. QA/QC is implemented by following the monitoring manual. The electricity meter is certified by a factory test to comply with Measuring Instruments (MID) Class C accuracy standards. The electricity meter is not replaced or calibrated because a type approval and manufacturer's specification have been prepared. The start date of measuring the electricity generation by the system is set as the base date for counting the ten-year interval. The date is 14 December 2016.	Monthly recording	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
EF_{RE}	Reference CO_2 emission factor	0.533	tCO_2/MWh	The default emission factor is derived from the result of the study on the Kenyan grid emission factors and the survey on the new high-efficient engines using diesel fuel as the power source.	n/a

Table3: *Ex-post* calculation of CO_2 emission reductions

Monitoring Period	CO_2 emission reductions	Units
2017/1/1-2017/12/31	363	tCO_2/p

[Monitoring option]

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)

i	$EG_{i,p}$
Solar PV system number	Quantity of electricity generated by project solar PV system i during period p
	MWh/p
1	682.10
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
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Monitoring Spreadsheet: JCM_KE_AM002_ver01.0
Reference Number: KE002

i	EG$_{i,p}$
Solar PV system number	Quantity of electricity generated by project solar PV system *i* during period *p*
	MWh/p
51	
52	
53	
54	
55	
56	
57	
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59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
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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 period *p*	n/a	363.6	tCO_2/p	ER_p
2. Selected default values, etc.				
Reference CO_2 emission factor	Electricity	0.533	tCO_2/MWh	EF_{RE}
3. Calculations for reference emissions				
Reference emissions during period *p*	n/a	363.6	tCO_2/p	RE_p
Total quantity of electricity generated by project solar PV systems during period *p*	Electricity	682.10	MWh/p	$\Sigma EG_{i,p}$
Reference CO_2 emission factor	Electricity	0.533	tCO_2/MWh	EF_{RE}
4. Calculations of the project emissions				
Project emissions during period *p*	n/a	0.0	tCO_2/p	PE_p

[List of Default Values]

Reference CO_2 emission factor	0.533	tCO_2/MWh

Monitoring Report Sheet (Input Sheet) [For Verification]

Table 1: Parameters monitored *ex post*

(a) Monitoring point No.	(b) Monitoring point No.	(c) Parameters	(d) Description of data	(e) Monitored Values	(f) Units	(g) Monitoring option	(h) Source of data	(i) Measurement methods and procedures	(j) Monitoring frequency	(k) Other comments
2018/1/1-2018/12/31	(1)	$\Sigma EG_{i,p}$	Total quantity of electricity generated by project solar PV systems during period p	1,147.43	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 manually. The reading is checked to eliminate discrepancy. QA/QC is implemented by following the monitoring manual. The electricity meter is certified by a factory test to comply with Measuring Instruments (MID) Class C accuracy standards. The electricity meter is not replaced or calibrated because a type approval and manufacturer's specification have been prepared. The start date of measuring the electricity generation by the system is set as the base date for counting the ten-year interval. The date is 14 December 2016.	Monthly recording	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
EF_{RE}	Reference CO_2 emission factor	0.533	tCO_2/MWh	The default emission factor is derived from the result of the study on the Kenyan grid emission factors and the survey on the new high-efficient engines using diesel fuel as the power source.	n/a

Table3: *Ex-post* calculation of CO_2 emission reductions

Monitoring Period	CO_2 emission reductions	Units
2018/1/1-2018/12/31	611	tCO_2/p

[Monitoring option]

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)

i	$EG_{i,p}$
Solar PV system number	Quantity of electricity generated by project solar PV system i during period p
	MWh/p
1	1,147.43
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
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i	$EG_{i,p}$
Solar PV system number	Quantity of electricity generated by project solar PV system i during period p MWh/p
51	
52	
53	
54	
55	
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57	
58	
59	
60	
61	
62	
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66	
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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 period *p*	n/a	611.6	tCO_2/p	ER_p
2. Selected default values, etc.				
Reference CO_2 emission factor	Electricity	0.533	tCO_2/MWh	EF_{RE}
3. Calculations for reference emissions				
Reference emissions during period *p*	n/a	611.6	tCO_2/p	RE_p
Total quantity of electricity generated by project solar PV systems during period *p*	Electricity	1,147.43	MWh/p	$\Sigma EG_{i,p}$
Reference CO_2 emission factor	Electricity	0.533	tCO_2/MWh	EF_{RE}
4. Calculations of the project emissions				
Project emissions during period *p*	n/a	0.0	tCO_2/p	PE_p

[List of Default Values]

Reference CO_2 emission factor	0.533	tCO_2/MWh