

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
24/03/2017-31/12/2017	1	$\Sigma EC_{PJ, i, p}$	Total electricity consumption by project LED lights during the period p	67.36	MWh/p	Option C	Electricity meter	<p>Measured with an electricity meter(s). Electricity meter readings at the beginning and end of each monitoring period will be documented with photographs showing clearly the meter readings and the date when the meter reading is taken.</p> <p>In case a calibration certificate issued by an entity accredited under national/international standards is not provided, such electricity meters are required to be calibrated, unless the meters are installed and managed by the electrical utilities of Vietnam.</p>	Measured continuously, recorded at least at the beginning and the end of the monitoring period	

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
REC_{PJ}	Rated electricity consumption of LED light of fishing boat	197.0	W	Nominal value derived from the manufacturer's specs available on specification documents, the concerned product catalogs, specification documents or manufacturer's websites.	
REC_{REF}	Rated electricity consumption of reference lamp of fishing boat	1,000	W	Specification of reference lamps for fishing light used in Vietnam	
$EF_{CO_2, captive}$	CO ₂ emission factor of the electricity consumed by the diesel-powered fishing boat	0.8	tCO ₂ /MWh	"Table 2. Emission factors for diesel generator systems (in kg CO ₂ /kWh) for three different levels of load factors" of CDM approved small scale methodology AMS-I.F.	
N_{REF}	Number of reference lamps, which has the equivalence to the design illuminance into an irradiated sea surface by one project LED light of fishing boat	0.7	-	<p>Number is calculated as the following steps.</p> <p>1) Design illuminance of project fishing boat from light to sea surface</p> <p>2) Calculate number of reference lamps</p>	

Table3: *Ex-post* calculation of CO₂ emission reductions

Monitoring Period	CO ₂ emission reductions	Units
24/03/2017-31/12/2017	143	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)

Monitoring Spreadsheet: JCM_VN_AM008_ver01.0
Reference Number: VN006

<i>i</i>	$EC_{PJ,i,p}$
Index variable for each fishing boat	Total electricity consumption by LED light of fishing boat <i>i</i> during the period <i>p</i>
-	MWh/p
1	0.364
2	3.264
3	2.301
4	6.003
5	4.028
6	5.711
7	4.934
8	4.860
9	0
10	3.040
11	0.672
12	3.266
13	3.024
14	1.765
15	0.628
16	0.211
17	0.050
18	0.311
19	0.187
20	3.487
21	2.880
22	0.820
23	0.153
24	0
25	0.823
26	0.202
27	2.554
28	1.543
29	0.563
30	1.353
31	1.590
32	0.335
33	1.344
34	0
35	1.027
36	0.701
37	0.382
38	2.118
39	0.861
40	0
41	
42	
43	
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45	
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<i>i</i>	$EC_{PJ,i,p}$
Index variable for each fishing boat	Total electricity consumption by LED light of fishing boat <i>i</i> during the period <i>p</i>
-	MWh/p
47	
48	
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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	143.1	tCO ₂ /p	ER_p
2. Selected default values, etc.					
3. Calculations for reference emissions					
Reference emissions during the period p		N/A	196.9	tCO ₂ /p	RE_p
Reference total electricity consumption of fishing boat by reference lamp during the period p		Electricity	246.17	MWh/p	$\Sigma EC_{REF, i, p}$
Total electricity consumption by LED lights of fishing boat during the period p		Electricity	67.36	MWh/p	$\Sigma EC_{PJ, i, p}$
Rated electricity consumption of reference lamp of fishing boat		Electricity	1,000	W	REC_{REF}
Number of reference lamps, which has the equivalence to the design illuminance into an irradiated sea surface by one project LED light of fishing boat		N/A	0.7	-	N_{REF}
Rated electricity consumption of LED light of fishing boat		Electricity	197	W	REC_{PJ}
CO ₂ emission factor of the electricity consumed by the diesel-powered fishing boat		Diesel	0.8	tCO ₂ /MWh	$EF_{CO_2, captive}$
4. Calculations of the project emissions					
Project emissions during the period p		N/A	53.9	tCO ₂ /p	PE_p
Total electricity consumption by LED lights of fishing boat during the period p		Electricity	67.36	MWh/p	$\Sigma EC_{PJ, i, p}$
CO ₂ emission factor of the electricity consumed by the diesel-powered fishing boat		Diesel	0.8	tCO ₂ /MWh	$EF_{CO_2, captive}$

[List of Default Values]

CO ₂ emission factor of the electricity consumed by the diesel-powered fishing boat	0.8	tCO ₂ /MWh	$EF_{CO_2, captive}$
Rated electricity consumption of reference lamp of fishing boat	1,000	W	REC_{REF}