



Monitoring report form
(Version 05.1)

Complete this form in accordance with the Attachment "Instructions for filling out the monitoring report form" at the end of this form.

MONITORING REPORT

Title of the project activity	Asahan 1 Hydroelectric Power Plant 2 x 90 MW
UNFCCC reference number of the project activity	4118
Version number of the monitoring report	1
Completion date of the monitoring report	04/04/2016
Monitoring period number and duration of this monitoring period	3 rd Monitoring Period, 02/04/2015 – 31/03/2016
Project participant(s)	PT Bajradaya Sentranusa Eco Securities International limited
Host Party	Indonesia
Sectoral scope(s)	Sectoral scope 1: Energy industries (renewable - / nonrenewable sources)
Selected methodology(ies)	ACM0002 Version 11 - Consolidated baseline methodology for grid-connected electricity generation from renewable sources
Selected standardized baseline(s)	
Estimated amount of GHG emission reductions or net GHG removals by sinks for this monitoring period in the registered PDD	875,417 tCO ₂ e
Total amount of GHG emission reductions or net GHG removals by sinks achieved in this monitoring period	998,518 tCO ₂ e

SECTION A. Description of project activity

A.1. Purpose and general description of project activity

(a) Purpose of the project activity and the measures taken for GHG emission reductions or net anthropogenic GHG removals by sinks; Asahan 1 Hydroelectric Power Plant 2 x 90 MW (hereafter referred to as "the Project") is a run-of-river hydroelectric power project in North Sumatera Province in Indonesia. The objective of this Project is to supply zero emission energy to Sumatera Grid (hereafter referred to as the "Grid"), a grid with relatively carbon-intensive electricity supply that is located in Sumatera island and currently has no interconnection with the grid in other islands e.g. Java, Kalimantan.

(b) Brief description of the installed technology and equipment The total installed capacity of the Project is 180 MW (2x90MW).The Project uses hydro power generation technology for electricity generation and transmission.

(c) Relevant dates for the project activity
Commissioning started: 28/06/2010;
Continues operation started: 18/01/2011.

(d) Total GHG emission reductions or net anthropogenic GHG removals by sinks achieved in this monitoring period 998,518 tCO₂e

A.2. Location of project activity

(a) Host Party(ies): Indonesia
(b) Region/ State/ Province, etc.: Medan, North Sumatera
(c) City/ Town/ Community, etc.: Sub District of Parmaksian and Pintu Pohan Meranti, Region of Toba Samosir
(d) Physical/ Geographical location: Village of Siruar (Siantar Utara), Ambar Halim and Simorea. The GSP coordinates of the powerhouse are 2°30'45"N, 99°15'33"E.

A.3. Parties and project participant(s)

Party involved ((host) indicates a host Party)	Private and/or public entity(ies) project participants (as applicable)	Indicate whether the Party involved wishes to be considered as project participant (yes/no)
Indonesia (host)	PT Bajradaya Sentranusa	No
United Kingdom of Great Britain and Northern Ireland	EcoSecurities International Limited	No

A.4. Reference of applied methodology and standardized baseline

ACM0002 Version 11 - Consolidated baseline methodology for grid-connected electricity generation from renewable sources
http://cdm.unfccc.int/filestorage/H/G/Y/HGY3TLRFPQVM016WA4I7XCZD92KE5S/EB52_repan07_ACM000

[2_ver11.pdf?t=Ujh8bTY5aHJifDDaR-YGwRPm4dHAhZJj2FPy](#)

“Tool for demonstration and assessment of additionality” (Version 05.2)

<http://cdm.unfccc.int/methodologies/PAmethodologies/tools/am-tool-01-v5.2.pdf>

“Tool to calculate project or leakage CO2 emissions from fossil fuel combustion” (Version 2)

<http://cdm.unfccc.int/methodologies/PAmethodologies/tools/am-tool-03-v2.pdf>

“Tool to calculate the emission factor for an electricity system” (Version 2)

<http://cdm.unfccc.int/methodologies/PAmethodologies/tools/am-tool-07-v2.pdf>

A.5. Crediting period of project activity

The first crediting period: 01/03/2011 - 28/02/2018 (Renewable). There is no post registration change on the crediting period.

A.6. Contact information of responsible persons/entities

PT.Bajradaya Sentranusa .

Implementation team

Contact details:

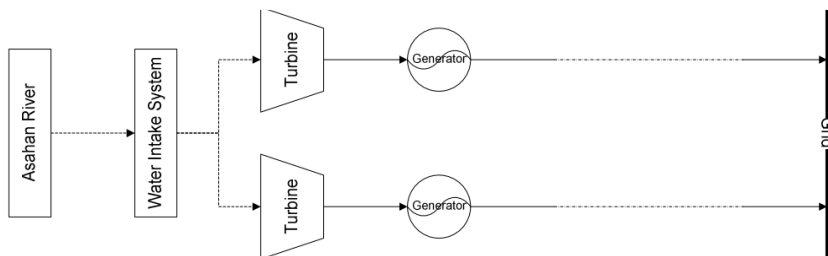
bdsn.ho@bajradaya.co.id

SECTION B. Implementation of project activity

B.1. Description of implemented registered project activity

1. Description of the installed technology, technical processes and equipment

The Project is a run-of-river hydroelectric power plant with capacity of 180 MW, consisting of 2×90 MW turbines, located upstream of Asahan 2 Power Station (Siguragura Dam). In general, the principal features in the Project are the Intake, Headrace Tunnel, Surge Tank, Penstock, Tailrace, Powerhouse, Switchyard and transmission lines of double-circuit line. Due to the topographical and geological conditions, the whole waterway, headrace and penstock have been designed as pressure tunnel and placed underground. The electricity was sent to step-up transformers and transmitted to PLN Grid System (Sumatera Grid). A technology diagram of the site is included below:



2. Implementation and actual operation of the project activity during this monitoring period

The Project consists of one site only and the implementation is not phased. The Project started commission on 28/06/2010. The Project activities during the monitoring period are as follows:

- a. Maintenance outage 10 hours/month
- b. Annual Inspection for Unit#2 (101 hours on December 2013)
- c. Annual inspection for Unit#1 (120 hours on May 2014)
- d. Annual Inspection for Unit#2 (120 hours on October 2014)
- e. Major Overhaul for Unit#2 (840 hours from January 25,2015 up to March 31,2015)

3. Events affecting the applicability of the methodology

No events occurred that affected the applicability of the methodology.

4. Request for prior approval by the Board of changes to the registered CDM project activity

No request for prior approval by the Board of changes to the registered CDM project activity has been made.

B.2. Post-registration changes

B.2.1. Temporary deviations from registered monitoring plan, applied methodology or applied standardized baseline

As during this monitoring period has not been possible to obtain by directly measurement the data of litres of diesel consumed by the generator used in the project plant, a fuel consumption approach has been developed using the following methodology:

The litres of diesel consumed by the generator has been calculated by this way:

$$366 * 24\text{hours/day} * 111.6 \text{ litres/hour} = 980,294.4 \text{ liters}$$

The value for the fuel consumption rate (111.6 litres/hour) can be found in the diesel generator specification documentation.

By this way, the emissions reductions were calculated on the most conservative basis assuming year round use of the diesel generator, with a total of 980,294.4 litres applied.

Also FCy_{cap} has been calculated. It represents the technically maximum quantity of fuel combustion that can be achieved by the diesel generator during this monitoring period. The FCy_{cap} is calculated as follow:

FCy_{cap} = diesel generator installed capacity x number of days in the monitoring period x 24 hours x unit fuel consumption of the diesel generator.

The data included in the formula, obtained from the diesel generator specifications, is as follows:

- The diesel generator installed capacity is 400 kW
- The unit fuel consumption of the diesel generator is 0.208 kg/kWh

The number of days during this monitoring period is 366 days thus FCy_{cap} is calculated as follow:

$$\text{FCy}_{\text{cap}} = 400 \text{ kW} \times 366 \text{ days} \times 24 \text{ hours} \times 0.208 = 730,828.8 \text{ kg}$$

FCy is more conservative than FCy_{cap}.

Thus the project emissions are conservatively calculated as:

$$\begin{aligned} \text{PE}_y &= \text{MAX} (\text{FCy}, \text{FCy}_{\text{cap}}) \times \text{NCV}_y \times \text{EFCO}_2, y \\ \text{PE}_y &= 2,922 \text{ tCO}_2 \end{aligned}$$

B.2.2. Corrections

No request for correction was applied for during this monitoring period.

B.2.3. Changes to start date of crediting period

No request for Changes to start date of crediting period.

B.2.4. Inclusion of a monitoring plan to the registered PDD that was not included at registration

Not applicable

B.2.5. Permanent changes from registered monitoring plan, applied methodology or applied standardized baseline

No request for permanent changes from registered monitoring plan or applied methodology has been made

B.2.6. Changes to project design of registered project activity

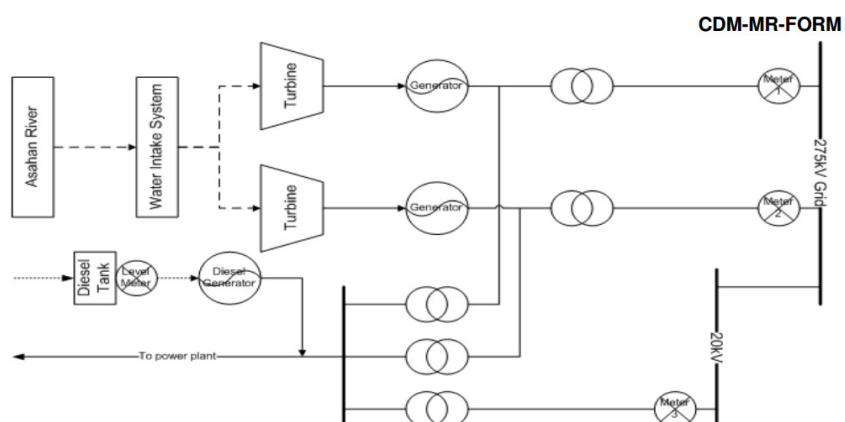
No request for changes to project design of registered project activity has been made.

B.2.7. Types of changes specific to afforestation or reforestation project activity

Not applicable

SECTION C. Description of monitoring system

Line diagram



Monitoring points: The net electricity supplied to grid is measured by Meter 1 and Meter 2 installed in 275kV switchyard. The electricity imported is measured by Meter 3 installed in 20kV switchyard. The fuel (diesel) combusted in the generator is measured by the level meter installed on the diesel tank .

Quality assurance and quality control system

The accuracy of the monitoring results are in conformity with recording frequency and quality assurance and quality control procedures stated in the monitoring plan. Please refer to Section D.2.

Data collection procedures

Data generation: The net electricity supplied to grid and the electricity imported is measured by the meters mentioned by Section D.2. The fuel (diesel) combusted in the generator is measured by the level meter mentioned by Section D.2 It has been assumed for the calculation of the project emissions that the generator is working all the time. In this way the calculations are conservative.

Data recording: The project developer records manually the meter readings at the end of each month and the grid company will confirm the readings to transact the electricity supplied to the grid. The project developer records manually the level meter readings at the end of each month.

Data aggregation: The calculated net electricity supplied to the grid, the electricity imported per month and the fuel (diesel) combusted in the generator is summed over the monitoring period.

Calculation: see section D.2. and section E. Export and import per month is the difference between the cumulative values on the electricity meters. The net electricity supplied to the grid is electricity export minus electricity import. The net electricity supplied to the grid minus the electricity imported and then multiplied by emission factor is emission reductions. The fuel (diesel) combusted in the generator is calculated assumed for the calculation of the project emissions that the generator is working all the time. In this way the calculations are conservative. The fuel (diesel) combusted in the generator multiplied by the fuel density, net caloric value and CO2 emission factor is project emission.

Reporting: The calculated values are included in the Spreadsheet and reported in the CDM-MR.

Organizational structure, roles and responsibilities

The CDM monitoring team is comprised of a CDM manager, operating manager, operating staff and technicians. The CDM manager has been appointed and trained and is responsible for the CDM monitoring system. Relevant roles and responsibility have been defined to fully implement data collection, archiving and data quality assurance and quality control etc.

Emergency procedures for the monitoring system

The operating manager will notify the grid company in case there is doubt about the correct functioning of the revenue meters mentioned in the monitoring plan. In that case, the grid company and the operator will check and where necessary replace the meters. If the problem can be solved quickly, no CERs are claimed for the period during which the meter was not functioning correctly. If the problem cannot be solved quickly the grid company and the operator estimate the net electricity supplied to the grid using the data from the backup meters installed along with the revenue meters. No emergencies occurred during this monitoring period.

SECTION D. Data and parameters

D.1. Data and parameters fixed ex ante or at renewal of crediting period

(Copy this table for each piece of data and parameter)

Data/parameter:	EF <i>grid,OM,y</i>
Unit	tCO2/MWh
Description	Operating Margin emission factor of Sumatera
Source of data	Calculation from BPPT
Value(s) applied)	0.906
Choice of data or measurement methods and procedures	BPPT calculated according to Tool to calculate the emission factor for an electricity system following the Simple Operating Margin approach – version 02 (see Annex 3)
Purpose of data	This value will be used on an ex-ante basis and will be monitored once for crediting period
Additional comments	No additional comments

Data/parameter:	EF <i>grid,BM,y</i>
Unit	tCO2/MWh
Description	Build Margin emission factor of Sumatera
Source of data	Calculation from BPPT

Value(s) applied)	0.581
Choice of data or measurement methods and procedures	BPPT calculated according to Tool to calculate the emission factor for an electricity system– version 02 (see Annex 3)
Purpose of data	This value will be used on an ex-ante basis and will be monitored once for crediting period
Additional comments	No additional comments

Data/parameter:	<i>EF_{grid,CM,y}</i>
Unit	tCO2/MWh
Description	Combined Margin emission factor of Sumatera
Source of data	Calculation from BPPT
Value(s) applied)	0.743
Choice of data or measurement methods and procedures	BPPT calculated according to Tool to calculate the emission factor for an electricity system version 02 (see Annex 3)
Purpose of data	This value will be used on an ex-ante basis and will be monitored once for crediting period
Additional comments	No additional comments

Data/parameter:	<i>FC_{i,y}</i>
Unit	Tonnes, litre
Description	Amount of fossil fuel type i consumed in the project electricity system in year y (mass or volume unit) Source of data:
Source of data	
Value(s) applied)	PLN Sumatera Statistical Year Book 2003-2007
Choice of data or measurement methods and procedures	See Annex 3
Purpose of data	Official released statistics; publicly accessible and reliable data source
Additional comments	No additional comments

Data/parameter:	<i>NCV_{i,y}</i>
Unit	KJ, litre
Description	Net Calorific Value (energy content) of fossil fuel type i in year y
Source of data	Pertamina Data of 2003
Value(s) applied)	see Annex 3
Choice of data or measurement methods and procedures	The data is used by the PLN as the Grid Company since the source of fossil fuels used is Pertamina company. It is using 2003 data as it is the latest data issued by Pertamina.

Purpose of data	Type of fuels are MFO, HSD, Natural Gas, Coal, PPO (pure plant oil) and IDO (industrial diesel oil)
Additional comments	No additional comments

Data / Parameter:	EGy
Unit:	MWh
Description:	Net electricity generated and delivered to the grid by all power sources in the project electricity system, not including low-cost / must-run power plants / units, in year y.
Source of data:	
Value(s) applied:	PLN Sumatera Statistical Year Book 2003-2007
Choice of data or measurement methods and procedures	see Annex 3
Purpose of data:	Official released statistics; publicly accessible and reliable data source.
Additional comment:	No additional comments

Data / Parameter:	EFCO _{2,i,y}
Unit:	tCO ₂ /GJ
Description:	CO ₂ emission factor of fossil fuel type i in year y
Source of data:	2006 IPCC Guidelines for National Greenhouse Gas Inventories
Value(s) applied:	see Annex 3
Choice of data or measurement methods and procedures	Provided that there is no national data of emission factor in the Host Country, the IPCC default value is used, as provided by table 1.4 of Chapter 1 of Vol. 2 (Energy) of the 2006 IPCC Guidelines on National Greenhouse Gases Inventories
Purpose of data:	This value will be used on an ex-ante basis and will be monitored once for crediting period
Additional comment:	No additional comments

Data / Parameter:	W _{OM}
Unit:	%
Description:	Weighting of operating margin emissions factor
Source of data:	Tool to calculate the emission factor for an electricity system
Value(s) applied:	50
Choice of data or measurement methods and procedures	
Purpose of data:	
Additional comment:	No additional comments

Data / Parameter:	W_{BM}
Unit:	%
Description:	Weighting of build margin emissions factor
Source of data:	Tool to calculate the emission factor for an electricity system
Value(s) applied:	50
Choice of data or measurement methods and procedures	
Purpose of data:	
Additional comment:	No additional comments

D.2. Data and parameters monitored

(Copy this table for each piece of data and parameter)

Data / Parameter:	EG _{facility,y}		
Unit:	MWh		
Description:	Quantity of net electricity generation supplied by the project plant to the grid in year y		
Measured/ Calculated / Default:	Measured		
Source of data:	Monthly records of the meters installed in 275kV switchyard		
Value(s) of monitored parameter:	1,347,834		
Monitoring equipment:	Continuous bidirectional electricity meters. The calibration frequency is semi-annually. Please see detailed calibration information below.		
	Meter	Meter 1	Meter 2
	Tag No.	53069928	53069936
	Accuracy	0.2s	0.2s
	1 st calibration date	31/05/2010	31/05/2010
	2 nd calibration date	15/07/2012	15/07/2012
	3 rd calibration date	26/05/2013	26/05/2013
	4 th calibration date	31/08/2014	31/08/2014
	5 th Calibration date	21/08/2015	21/08/2015
Measuring/ Reading/ Recording frequency:	Continuous measurement, monthly recording.		
Calculation method (if applicable):	N.A.		
QA/QC procedures:	Meters were calibrated periodically and inspection will be performed by PLN as deemed necessary according to the agreed PPA. Data was recorded monthly and cross-checked with the invoices.		
Purpose of data:	Calculation of baseline emissions		
Additional comment:	No additional comments		

Data / Parameter:	EG _{import,y}		
Unit:	MWh		
Description:	Quantity of electricity imported from the grid in year y		
Measured/ Calculated / Default:	Measured		
Source of data:	Monthly records of the meter installed in 20kV switchyard		
Value(s) of monitored parameter:	0.759		

Monitoring equipment:	<p>Continuous bidirectional electricity meters. The calibration frequency is semi-annually. Please see detailed calibration information below.</p> <table border="1"> <tr> <td>Meter</td><td>Meter 3</td></tr> <tr> <td>Tag No.</td><td>51002014</td></tr> <tr> <td>Accuracy</td><td>0.5s</td></tr> <tr> <td>1st calibration date</td><td>01/07/2012</td></tr> </table> <p>Since the calibrations performed do not cover the whole monitoring period, because this Meter is belong to PLN thus an increase of the maximum permissible error (1.0%) was applied to the measured values according to the GUIDELINES FOR ASSESSING COMPLIANCE WITH THE CALIBRATION FREQUENCY REQUIREMENTS and the delayed calibration in which the error is stated to be smaller than the maximum permissible error.</p>	Meter	Meter 3	Tag No.	51002014	Accuracy	0.5s	1 st calibration date	01/07/2012
Meter	Meter 3								
Tag No.	51002014								
Accuracy	0.5s								
1 st calibration date	01/07/2012								
Measuring/ Reading/ Recording frequency:	Continuous measurement, monthly recording.								
Calculation method (if applicable):	N.A.								
QA/QC procedures:	<p>Meter was calibrated according to the frequency and standard set by PLN.</p> <p>Data was recorded monthly and cross-checked with the invoices.</p>								
Purpose of data:	Calculation of baseline emissions								
Additional comment:	No additional comments								

Data / Parameter:	FC _y
Unit:	kg
Description:	Quantity of fuel combusted in the generator during the year y
Measured/ Calculated / Default:	Measured
Source of data:	Project activity site
Value(s) of monitored parameter:	901,294.4 kg (Please also refer to the QA/QC procedure below)
Monitoring equipment:	Ruler gauge as part of the tank. We have been assumed for the calculation of the project emissions that the generator is working all the time. In this way the calculations are conservative.
Measuring/ Reading/ Recording frequency:	Monthly
Calculation method (if applicable):	N.A.
QA/QC procedures:	<p>The FC_y can be capped (FC_y_cap) by the theoretical electricity generated (installed capacity×24 hour×monitoring period days) multiply with the unit fuel consumption of the diesel generator (http://xmhd.en.alibaba.com/product/444068265-207054003/400KW_MAN_diesel_generator_set.html)</p>
Purpose of data:	Calculation of project emissions
Additional comment:	The fossil fuel will be used to run the generator during the outage period for the internal consumption.

D.3. Implementation of sampling plan

Not applicable

SECTION E Calculation of emission reductions or GHG removals by sinks

E.1. Calculation of baseline emissions or baseline net GHG removals by sinks

			From	1/4/2015	
			To	31/03/2016	
			Days	366	
Calculation of baseline emissions	Symbol	Amount	Unit	Formula	Remarks
Net electricity supplied to grid	$EG_{\text{facility},y}$	1,347,834	MWh		
Electricity imported	$EG_{\text{import},y}$	0.000	MWh		
Emission factor	EF_y	0.743	tCO ₂ /MWh		1
Total baseline emissions	BE_y	1,001,440	tCO ₂	$BE_y = (EG_{\text{facility},y} - EG_{\text{import},y}) \times EF_y$	
<i>Remarks</i>					
1. EF_y fixed for the first crediting period.					

E.2. Calculation of project emissions or actual net GHG removals by sinks

			From	1/4/2015	
			To	31/03/2016	
			Days	366	
Calculation of project emissions	Symbol	Amount	Unit	Formula	Remarks
Fuel (diesel) combusted (volume)	FC_y	980,294.4	l		
Diesel density	ρ_y	0.92	kg/l		1
Fuel (diesel) combusted (mass)	FC_y	901,870.8	kg		
Cap for Fuel combusted (mass)	$FC_{y, \text{cap}}$	730,828.8	kg		2
Diesel net calorific value	NCV_y	43.3	TJ/Gg		3
Diesel CO ₂ emission factor	$EF_{\text{CO}_2,y}$	74,800	kg/TJ		4
Total project emissions	PE_y	2,922	tCO ₂	$PE_y = FC_y \times NCV_y \times EF_{\text{CO}_2,y}$	
<i>Remarks</i>					
1. Pertamina National Oil Company, http://www.pertamina.com/index.php/detail/view/minyak-diesel/558/industrial-diesel-oil-					
2. The FC_y can be capped ($FC_{y, \text{cap}}$) by the theoretical electricity generated (installed capacity×24 hour×monitoring period days) multiply with					
3. IPCC default values at the upper limit of the uncertainty at a 95% confidence interval as provided in table 1.2 of Chapter 1 of Vol. 2					
4. IPCC default values at the upper limit of the uncertainty at a 95% confidence interval as provided in table 1.4 of Chapter 1 of Vol. 2					

E.3 Calculation of leakage

Calculation of leakage emissions	Symbol	Amount	Unit	Formula	Remarks
Total leakage emissions	L_y	0	tCO ₂	N/A	1

Remarks

1. As per methodology and PDD.

E.4. Summary of calculation of emission reductions or net GHG removals by sinks

Time Period	Baseline emissions or baseline net GHG removals by sinks (tCO ₂ e)	Project emissions or actual net GHG removals by sinks (tCO ₂ e)	Leakage (tCO ₂ e)	Emission reductions or net anthropogenic GHG removals by sinks (tCO ₂ e)
01/04/2015-31/03/2016	1,001,440	2,922	0	998,518

E.5 Comparison of actual emission reductions or net GHG removals by sinks with estimates in registered PDD

Item	Values estimated in ex ante calculation of registered PDD	Actual values achieved during this monitoring period
Emission reductions or GHG removals by sinks (t CO ₂ e)	875,417	998,518

E.6 Remarks on difference from estimated value in registered PDD

This table shows that the actual value is 5.5% less than the estimated emission reduction of the registered CDM-PDD during this monitoring period because we have some outage maintenance i.e annual inspection and major overhaul

Contact information of project participants and responsible persons/entities

Project participant and/or responsible person/ entity	<input checked="" type="checkbox"/> Project participant <input type="checkbox"/> Responsible person/ entity for application of the selected methodology (ies) and, where applicable, the selected standardized baselines to the project activity
Organization name	PT Bajradaya Sentranusa
Street/P.O. Box	Jl. Dharmawangsa VII no. 7, Kebayoran Baru
Building	-
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State/Region	DKI Jakarta
Postcode	12160
Country	Indonesia
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E-mail	bdsn.ho@bajradaya.co.id
Website	
Contact person	
Title	
Salutation	Ms
Last name	Hariati
Middle name	
First name	Oktiviana
Department	Corporate Secretary
Mobile	+628158062580
Direct fax	-
Direct tel.	-
Personal e-mail	annabdsn@gmail.com ; ana@bajradaya.co.id

Project participant and/or responsible person/ entity	<input checked="" type="checkbox"/> Project participant <input checked="" type="checkbox"/> Responsible person/ entity for application of the selected methodology (ies) and, where applicable, the selected standardized baselines to the project activity
Organization name	EcoSecurities International Limited
Street/P.O. Box	40 Dawson Street
Building	-
City	Dublin
State/Region	Dublin
Postcode	02
Country	Ireland
Telephone	+353 1613 9814
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E-mail	info@ecosecurities.com
Website	www.ecosecurities.com
Contact person	
Title	Director
Salutation	Mr.
Last name	Browne
Middle name	-
First name	Patrick James
Department	-
Mobile	-
Direct fax	-
Direct tel.	-
Personal e-mail	cdm@ecosecurities.com

Document information

<i>Version</i>	<i>Date</i>	<i>Description</i>
05.0	1 April 2015	Revisions to: <ul style="list-style-type: none"> • Include provisions related to delayed submission of a monitoring plan; • Provisions related to the Host Party; • Remove reference to programme of activities; • Overall editorial improvement.

<i>Version</i>	<i>Date</i>	<i>Description</i>
04.0	25 June 2014	Revisions to: <ul style="list-style-type: none"> • Include the Attachment: Instructions for filling out the monitoring report form (these instructions supersede the "Guideline: Completing the monitoring report form" (Version 04.0)); • Include provisions related to standardized baselines; • Add contact information on a responsible person(s)/ entity(ies) for completing the CDM-MR-FORM in A.6 and Appendix 1; • Change the reference number from <i>F-CDM-MR</i> to <i>CDM-MR-FORM</i>; • Editorial improvement.
03.2	5 November 2013	Editorial revision to correct table in page 1.
03.1	2 January 2013	Editorial revision to correct table in section E.5.
03.0	3 December 2012	Revision required to introduce a provision on reporting actual emission reductions or net GHG removals by sinks for the period up to 31 December 2012 and the period from 1 January 2013 onwards (EB70, Annex 11).
02.0	13 March 2012	Revision required to ensure consistency with the "Guidelines for completing the monitoring report form" (EB 66, Annex 20).
01	28 May 2010	EB 54, Annex 34. Initial adoption.
Decision Class: Regulatory Document Type: Form Business Function: Issuance Keywords: monitoring report		