



Monitoring report form for CDM project activity
(Version 08.0)

Complete this form in accordance with the instructions attached at the end of this form.

MONITORING REPORT

Title of the project activity	Jiangxi Xiajiang Hydropower Project		
UNFCCC reference number of the project activity	7289		
Version number of the PDD applicable to this monitoring report	05		
Version number of this monitoring report	03		
Completion date of this monitoring report	26/09/2021		
Monitoring period number	Monitoring period 01		
Duration of this monitoring period	01/08/2013-31/12/2015		
Monitoring report number for this monitoring period	NA		
Project participants	Jiangxi CPI Xiajiang Power Generation Co., Ltd. J-TEC Co., Ltd.		
Host Party	P. R. China		
Applied methodologies and standardized baselines	ACM0002 "Consolidated baseline methodology for grid-connected electricity generation from renewable sources" (Version 12.2.0), N/A		
Sectoral scopes	1: Energy industries (renewable sources)		
Amount of GHG emission reductions or net anthropogenic GHG removals achieved by the project activity in this monitoring period	Amount achieved before 1 January 2013	Amount achieved from 1 January 2013 until 31 December 2020	Amount achieved from 1 January 2021
	0	815,801	0
Amount of GHG emission reductions or net anthropogenic GHG removals estimated ex ante for this monitoring period in the PDD	1,062,481		

SECTION A. Description of project activity

A.1. General description of project activity

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Jiangxi Xiajiang Hydropower Project (hereinafter referred to as the “project”) is invested and developed by Jiangxi CPI Xiajiang Power Generation Co., Ltd.

The proposed project is a seasonal regulation station with the power density of 11.41 W/m², located on the middle portion of Gan River, Xiajiang County of Jiangxi province, P. R. China. Prior to the implementation of the proposed project, local electricity demand in the absence of the project was supplied by the Central China Power Grid (“CCPG”), dominated by thermal power. Within the project activities, nine sets of water turbine and generating units, which are made and supplied by domestic manufacturers, will be installed at the site with a total generation capacity of 360 MW (9*40 MW). The project is expected to generate an annual average of 1,141,560MWh electricity and to deliver an annual average electricity of 1,061,730 MWh to the CCPG. The baseline scenario of the project activity is the same as the scenario existed prior to the implementation of the project activity.

The Project started construction on 08/10/2010. The commissioning for the first generator set started on 13/09/2013. The Project started fully commissioning on 29/04/2015.

The total emission reductions in this monitoring period (01/08/2013-31/12/2015¹) are 815,801 tCO₂e.

A.2. Location of project activity

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The project is located on the middle portion of Gan River, about 6km from Baqiu Town. The GPS coordinates at the plant of the project activity are 115°07'52" East Longitude, and 27°31'04" North Latitude.

A.3. Parties and project participants

Parties involved	Project participants	Indicate if the Party involved wishes to be considered as project participant (Yes/No)
P.R. China (host)	Jiangxi CPI Xiajiang Power Generation Co., Ltd.	No
Japan	J-TEC Co., Ltd.	No

A.4. References to applied methodologies and standardized baselines

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ACM0002 “Consolidated baseline methodology for grid-connected electricity generation from renewable sources” (version 12.2.0)

“Tool for the demonstration and assessment of additionality” (version 06.0.0)

“Tool to calculate the emission factor for an electricity system” (version 02.2.1)

Above methodologies and Tools are available at

<http://cdm.unfccc.int/methodologies/PAmethodologies/approved.html>

A.5. Crediting period type and duration

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The Project employs the renewable crediting period (3×7yrs), the first crediting period of the project is from 01/08/2013 to 31/07/2020.

¹ The commissioning for the first generator set started on 13/09/2013, so the actual monitoring period of this period was started from 13/09/2013.

SECTION B. Implementation of project activity

B.1. Description of implemented project activity

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The Project started construction on 08/10/2010. The commissioning dates for the generator sets are listed in the table below. The electricity generated by the Project is delivered to CCPG.

Table 1 The commissioning dates for the generator sets

	Date
the first generator set	13/09/2013
the second generator set	30/12/2013
the third generator set	12/04/2014
the forth generator set	21/06/2014
the fifth generator set	01/10/2014
the sixth generator set	31/10/2014
the seventh generator set	31/12/2014
the eighth generator set	26/03/2015
the ninth generator set	29/04/2015

During this monitoring period, the Project is operated and implemented smoothly. There have been no emergencies (including of overhaul times, downtimes of equipment, exchange of equipment, etc.) happened to the monitoring system in this monitoring period, also no events or situations occurred during the monitoring period, which may impact the applicability of the methodology.

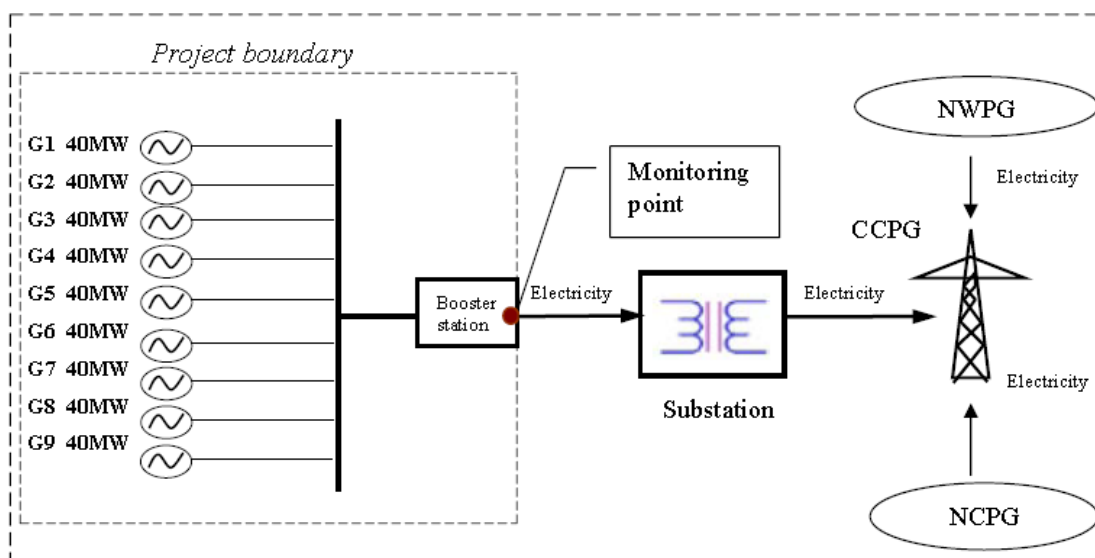
The proposed project is a seasonal regulating hydropower station with a power density of 11.41 W/m². The project will consist of a dam, a spillway weir, a power house and a switch station. The core equipments adopted by the project are nine sets of water-turbines generators with a total generation capacity of 360MW(9*40 MW). The specific technical data of the project are listed in the table below.

Table2 Technical data

Parameter	Unit	Data
Turbine		
Units from Dongfang Electric Machinery Co., Ltd.	set	9
Model	/	GZD(982) -WP-770
Rated capacity	MW	41
Rated head	m	8.6
Generator		
Units from Dongfang Electric Machinery Co., Ltd.	set	9
Model	/	SFWG40-84/8700
Rated capacity	MW	40
Rated voltage	kV	13.8

The project will be connected to the CCPG via a booster station. Two electricity metering systems are to be equipped at the project site, and they are categorized as main and backup monitoring systems.

The technical process in the Project can be shown as following diagram:



B.2. Post-registration changes

B.2.1. Temporary deviations from the registered monitoring plan, applied methodologies, standardized baselines or other methodological regulatory documents

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Not applicable.

B.2.2. Corrections

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The revision of the PDD also including following corrections due to the change of PDD template.

- a) A.6.History of project activity
- b) A.7.Debundling
- c) Section .F. Approval and authorization
- d) Appendix 3.Applicability of methodologies and standardized baselines
- e) Appendix 6. Summary report of comments received from local stakeholders
- f) Appendix 7. Summary of post-registration changes

B.2.3. Changes to the start date of the crediting period

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Not applicable.

B.2.4. Inclusion of monitoring plan

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Not applicable.

B.2.5. Permanent changes to the registered monitoring plan, or permanent deviation of monitoring from the applied methodologies, standardized baselines, or other methodological regulatory documents

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Not applicable.

B.2.6. Changes to project design

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As per the registered PDD (version 04), the planned technical data of the project were listed in the table below.

Parameter		Unit	Data
Turbine			
Total Units		set	9
1	Units from Dongfang Electric Machinery Co., Ltd.	set	4
	Model	/	GZD615-WP-770
	Rated capacity	MW	41
	Rated head	m	8.6
2	Units from Tianjin ALSTOM Hydro Co., Ltd.	set	5
	Model	/	GZ4BNXJ-WP-780
	Rated capacity	MW	41
	Rated head	m	8.6
Generator			
Total Units		set	9
1	Units from Dongfang Electric Machinery Co., Ltd.	set	4
	Model	/	SFWG40-84/8650
	Rated capacity	MW	40
	Rated voltage	kV	13.8
2	Units from Tianjin ALSTOM Hydro Co., Ltd.	set	5
	Model	/	SFWG40-84/8820
	Rated capacity	MW	40
	Rated voltage	kV	13.8

But the actual technical data of the project were as follow table as per the nameplate of the generator sets:

Parameter		Unit	Data
Turbine			
Units from Dongfang Electric Machinery Co., Ltd.		set	9
Model		/	GZD(982) -WP-770
Rated capacity		MW	41
Rated head		m	8.6
Generator			
Units from Dongfang Electric Machinery Co., Ltd.		set	9
Model		/	SFWG40-84/8700
Rated capacity		MW	40
Rated voltage		kV	13.8

The actual rated capacity per unit, the total capacity and the rated head of the generator sets are consistent with those described in the registered PDD (version 04), so the change does not affect the applicability and

application of the applied methodology, the additionality of the project activity and the scale of the project activity.

B.2.7. Changes specific to afforestation or reforestation project activity

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Not applicable.

SECTION C. Description of monitoring system

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The implementation of monitoring system and Management organization for the Project are fully consistent with the description in the registered PDD.

1. Management organization

To ensure all data are reliable and transparent, the project owner will also establish Quality Assurance and Quality Control (QA&QC) measures to effectively control and manage data reading, recording, auditing as well as archiving data and all relevant documents. This monitoring plan will be carried out by a CDM team, designated by the project owner, which consists of a team leader, an assistant and operators who are responsible for recording the metering readings (Figure 1).

The team leader will have the overall responsibility for the monitoring and verification process, training and managing all CDM team members, and will act as the focal point for the DOE, DNA and other organizations relating to CDM.

The assistant will help the team leader to supervise the operation of the project, including data monitoring, negotiations with the grid company, and to collect the electricity settlement receipts.

The operators will be responsible for inspecting and maintaining the equipments, measuring and recording relevant readings, collecting, checking, archiving and managing data, and making summary according to the CDM project's requirements in a regular basis, and so on.

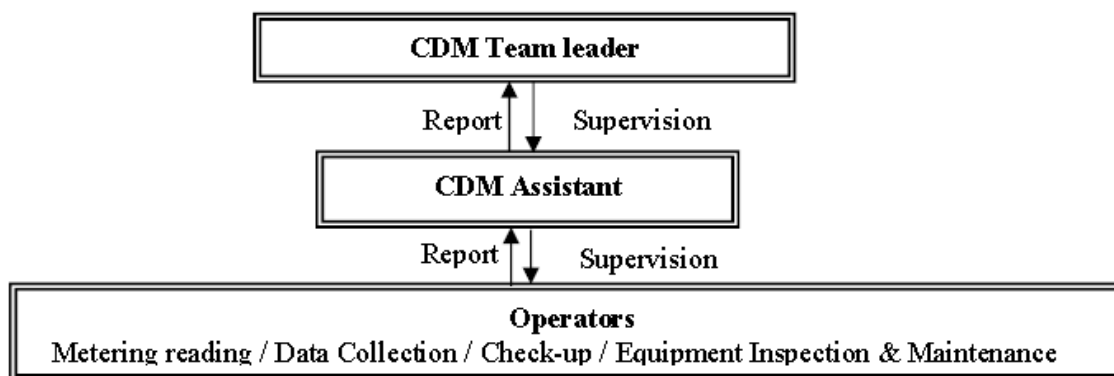


Figure 1. Organization Chart for Project Monitoring

2. Data to be Monitored

- Electricity delivered to/imported from the CCPG by the project ($EG_{facility,y}$)

Electricity delivered to/imported from the CCPG will be monitored by main metering devices installed on site at the booster station. The electricity settlement receipts will be provided by the grid company for the project owner's double check of the amount of net electricity delivered and accepted by the CCPG. Detailed monitoring procedures to measure electricity supplied to the CCPG by the project will be established later between the project owner and the grid company in line with the Power Purchase Agreement.

- Installed generation capacity

The installed generation capacity of the project will be monitored yearly in accordance with the nameplate of each generator.

- Surface area of the reservoir

The surface area of the reservoir determined according to the water level will be yearly monitored to check the power density of the project plant.

Above monitored data will be archived and provided to DOE during the verification period.

3. Installation of Metering Devices

Two sets of metering systems will be equipped at the monitoring point at the project site (see Figure 2). They are classified as main metering system and backup metering system. Both systems are bidirectional and capable of metering the imported and exported electricity by the project simultaneously.

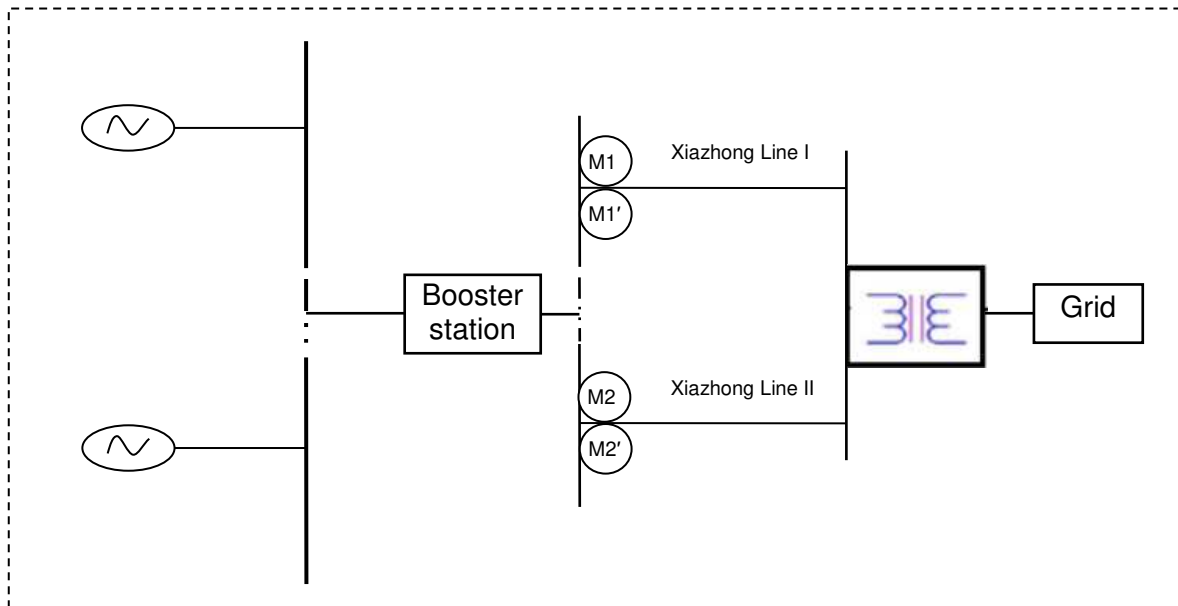


Figure 2 The metering systems

The accuracy of the meter will be at least 0.5S and the metering equipment will be properly calibrated yearly for accuracy based on the national standard (JJG596-1999). The calibration will be carried out by an accredited third party or the grid company.

4. Data Reading

- Electricity delivered to/imported from the CCPG by the project ($EG_{\text{facility},y}$)

The data will be measured continuously at the project site.

In addition, the representatives of the grid company and the project will jointly read the main meters monthly. The recorded data will be confirmed by both parties with signatures, which is used for monthly electricity settlement.

- Installed generation capacity

Before verification, the operators will confirm and record the amount of generator facilities and the installed capacity of each generator in the hydropower station. This record will be checked by the CDM team leader and provided to the DOE during the verification period.

- Area of the reservoir

The water level will be monitored and recorded. The surface area will be yearly determined as per the curve of water level & area of the reservoir.

5. Abnormity handling

If the calibration is not conducted at the frequency specified in this plan, the net electricity delivered to the grid by the project will be determined by the follows in a conservative approach.

- If the results of the delayed calibration do not show any errors in the measuring equipment, or if the error is smaller than the maximum permissible error, maximum permissible error of the instrument to the measured values taken during the period between the scheduled date of calibration and the actual date of calibration will be applied.
- If the error is beyond the maximum permissible error of the measuring equipment, the error identified in the delayed calibration test will be applied.

The electricity recorded by the main metering system alone will be sufficient for the purpose of billing and emission reduction verification as long as the main meter system is under normal condition. If the reading

precision of the main metering system is beyond the allowable errors or malfunction is found during previous months, the grid-connected electricity generated by the project will be determined by:

- Firstly, the reading of the backup metering system installed on-site will be applied to get the amount of net electricity exported to the grid;
- If the backup system is beyond the acceptable limits of accuracy or it performs improperly, the data for electricity settlement will be jointly prepared and approved by both the project owner and the grid company;
- If the project owner and the grid company fail to agree on the correct reading, then it will be referred for arbitration according to agreed procedures.

If any data error occurs during the crediting period, especially if the data of electricity sales is accidentally damaged during the crediting period, the project owner and the grid company will deal with it as emergency. Meanwhile, the CDM team should be informed about the accidents occurred at the power station in time. The CDM team leader and assistant will analyze the rationality of the data according to conservative rules of CDM projects. The data will be recorded and archived.

SECTION D. Data and parameters

D.1. Data and parameters fixed ex ante

Data/parameter:	Cap_{BL}
Unit	W
Description	Installed capacity of the hydro power plant before the implementation of the project activity. For new hydro power plants, this value is zero.
Source of data	Source from the Section B.6 of the registered PDD for the Project.
Value(s) applied)	0
Choice of data or measurement methods and procedures	Since the project is a new hydro power plant, the value of zero is determined as per ACM0002 (version 12.2.0).
Purpose of data	Calculation of Project Emission
Additional comments	-

Data/parameter:	$EF_{grid,CM,y}$
Unit	tCO ₂ e/MWh
Description	Combined margin CO ₂ emission factor for grid connected power generation in year y.
Source of data	Source from the Section B.6 of the registered PDD for the Project.
Value(s) applied)	0.7244
Choice of data or measurement methods and procedures	-
Purpose of data	Calculation of baseline emissions.
Additional comments	The emission factor of the Project was ex-ante determined and is fixed during the first crediting period. All data and parameters had been determined at registration.

D.2. Data and parameters monitored

Data/parameter:	$EG_{facility,y}$
Unit	MWh/yr
Description	Quantity of net electricity generation supplied by the project plant/unit to the CCPG in year y.

Measured/calculated/default	Measured
Source of data	Project activity site
Value(s) of monitored parameter	1,126,175.8
Monitoring equipment	<p>The main meter (M1) of Line I. Type: Mk6E Accuracy class: 0.2S Serial number: 212037978 Calibration frequency: At least annually Calibration date: 01/07/2013, 01/06/2014, 07/05/2015 Calibration validity: valid</p> <p>The backup meter (M1') of Line I. Type: Mk6E Accuracy class: 0.2S Serial number: 212037979 Calibration frequency: At least annually Calibration date: 01/07/2013, 01/06/2014, 07/05/2015 Calibration validity: valid</p> <p>The main meter (M2) of Line II. Type: Mk6E Accuracy class: 0.2S Serial number: 212037980 Calibration frequency: At least annually Calibration date: 01/07/2013, 01/06/2014, 07/05/2015 Calibration validity: valid</p> <p>The backup meter (M2') of Line II. Type: Mk6E Accuracy class: 0.2S Serial number: 212037981 Calibration frequency: At least annually Calibration date: 01/07/2013, 01/06/2014, 07/05/2015 Calibration validity: valid</p>
Measuring/reading/recording frequency:	The data of electricity delivered to and imported from the grid will be measured continuously and recorded monthly.
Calculation method (if applicable):	-
QA/QC procedures:	Data measured by meters will be cross checked by electricity sales receipt.
Purpose of data:	Calculation of baseline emissions.
Additional comments:	-

Data/parameter:	Cap_{PJ}
Unit	W
Description	Installed capacity of the hydro power plant after the implementation of the project activity.
Measured/calculated/default	Measured
Source of data	Project site
Value(s) of monitored parameter	360,000,000W
Monitoring equipment	Determination of the installed capacity according to the nameplate
Measuring/reading/recording frequency:	Monitored yearly
Calculation method (if applicable):	-

QA/QC procedures:	The data will be recorded and kept for 2 years after the end of the crediting period.
Purpose of data:	Calculation of Project Emission
Additional comments:	-

Data/parameter:	A _{PJ}
Unit	m ²
Description	Area of the single or multiple reservoirs measured in the surface of the water, after the implementation of the project activity, when the reservoir is full.
Measured/calculated/default	Measured
Source of data	Project site
Value(s) of monitored parameter	2013: 31,547,000 m ² 2014: 31,547,000 m ² 2015: 31,547,000 m ²
Monitoring equipment	Measured from topographical surveys, maps, satellite pictures, etc.
Measuring/reading/recording frequency:	Monitored yearly.
Calculation method (if applicable):	-
QA/QC procedures:	The data will be recorded and kept for 2 years after the end of the crediting period.
Purpose of data:	Calculation of Project Emission
Additional comments:	-

D.3. Implementation of sampling plan

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Not applicable.

SECTION E. Calculation of emission reductions or net anthropogenic removals

E.1. Calculation of baseline emissions or baseline net removals

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According to ACM0002 and the registered PDD of the Project, The baseline emission BE_y during the monitoring period results from:

$$BE_y = EG_{PJ,y} \times EF_{grid,CM,y}$$

The Project is the installation of a new grid-connected renewable power plant at a site where no renewable power plant was operated prior to the implementation of the Project. So:

$$EG_{PJ,y} = EG_{facility,y}$$

Accordingly,

$$\begin{aligned} BE_y &= EG_{PJ,y} \times EF_{grid,CM,y} \\ &= EG_{facility,y} \times EF_{grid,CM,y} \end{aligned}$$

Where:

BE_y = Baseline emissions in year y (tCO₂/yr);

$EG_{PJ,y}$ = Quantity of net electricity generation that is produced and fed into the grid as a result of the implementation of the CDM project activity in year y (MWh/yr);

$EF_{grid,CM,y}$ = Combined margin CO₂ emission factor for grid connected power generation in year y;

$EG_{facility,y}$ = Quantity of net electricity generation supplied by the Project plant/unit to the grid in year y

(MWh/yr).

Therefore, the quantity of electricity delivered to grid is as follows:

Period	The quantity of electricity delivered to grid (MWh)		
	Meter reading	Records of electricity sales	Verified data
	A1	B1	C1=MIN(A1,B1)
13/09/2013-30/09/2013	3,636.600	3,537.600	3,537.600
01/10/2013-31/10/2013	10,688.700	10,678.800	10,678.800
01/11/2013-30/11/2013	9,827.400	9,807.600	9,807.600
01/12/2013-31/12/2013	5,940.000	5,903.700	5,903.700
2013 SUM	30,092.700	29,927.700	29,927.700
01/01/2014-31/01/2014	749.100	722.700	722.700
01/02/2014-28/02/2014	0.000	0.000	0.000
01/03/2014-31/03/2014	2,399.100	2,399.100	2,399.100
01/04/2014-30/04/2014	40,085.100	40,085.100	40,085.100
01/05/2014-31/05/2014	31,251.000	31,251.000	31,251.000
01/06/2014-30/06/2014	37,514.400	37,514.400	37,514.400
01/07/2014-31/07/2014	71,237.100	71,237.100	71,237.100
01/08/2014-31/08/2014	56,505.900	56,505.900	56,505.900
01/09/2014-30/09/2014	58,631.100	58,631.100	58,631.100
01/10/2014-31/10/2014	34,273.800	34,273.800	34,273.800
01/11/2014-30/11/2014	15,236.100	15,236.100	15,236.100
01/12/2014-30/12/2014	13,820.400	13,816.000	13,816.000
2014 SUM	361,703.100	361,672.300	361,672.300
01/01/2015-31/01/2015	19,602.000	19,599.800	19,599.800
01/02/2015-28/02/2015	14,635.500	14,635.500	14,635.500
01/03/2015-31/03/2015	48,288.900	48,288.900	48,288.900
01/04/2015-30/04/2015	46,658.700	46,658.700	46,658.700
01/05/2015-31/05/2015	79,272.600	79,246.200	79,246.200
01/06/2015-30/06/2015	61,970.700	61,970.700	61,970.700
01/07/2015-31/07/2015	71,718.900	71,709.000	71,709.000
01/08/2015-31/08/2015	78,190.200	78,188.200	78,188.200
01/09/2015-30/09/2015	75,381.900	75,368.700	75,368.700
01/10/2015-31/10/2015	57,311.100	57,311.100	57,311.100
01/11/2015-30/11/2015	85,529.400	85,529.400	85,529.400
01/12/2015-31/12/2015	96,346.800	96,346.800	96,346.800
2015 SUM	734,906.700	734,853.000	734,853.000
SUM	1,126,702.500	1,126,453.000	1,126,453.000

And, the quantity of electricity imported from the grid is as follows:

Period	The quantity of electricity imported from the grid (MWh)		
	Meter reading	Records of electricity purchase	Verified data

	D1	E1	F1=MAX(D1,E1)
13/09/2013-30/09/2013	23.100	89.100	89.100
01/10/2013-31/10/2013	0.000		
01/11/2013-30/11/2013	23.100		
01/12/2013-31/12/2013	42.900		
2013 SUM	89.100	89.100	89.100
01/01/2014-31/01/2014	9.900	141.900	141.900
01/02/2014-28/02/2014	0.000		
01/03/2014-31/03/2014	79.200		
01/04/2014-30/04/2014	6.600		
01/05/2014-31/05/2014	39.600		
01/06/2014-30/06/2014	6.600		
01/07/2014-31/07/2014	0.000		
01/08/2014-31/08/2014	0.000		
01/09/2014-30/09/2014	0.000		
01/10/2014-31/10/2014	0.000		
01/11/2014-30/11/2014	0.000		
01/12/2014-30/12/2014	0.000		
2014 SUM	141.900	141.900	141.900
01/01/2015-31/01/2015	6.600	6.600	6.600
01/02/2015-28/02/2015	0.000		
01/03/2015-31/03/2015	0.000		
01/04/2015-30/04/2015	0.000		
01/05/2015-31/05/2015	19.800	36.300	36.300
01/06/2015-30/06/2015	3.300		
01/07/2015-31/07/2015	13.200		
01/08/2015-31/08/2015	0.000		
01/09/2015-30/09/2015	0.000		
01/10/2015-31/10/2015	0.000		
01/11/2015-30/11/2015	3.300		
01/12/2015-31/12/2015	0.000	3.300	3.300
2015 SUM	46.200	46.200	46.200
SUM	277.200	277.200	277.200

So, $EG_{facility,y} = 1,126,453.0\text{MWh} - 277.2\text{MWh} = 1,126,175.8\text{MWh}$

The baseline emission during this monitoring period is calculated as following:

$$BE_y = EG_{facility,y} \times EF_{grid,CM,y}$$

Period	$EG_{facility,y}$ (MWh)	$EF_{grid,CM,y}$ (tCO _{2e} /MWh)	BE_y (tCO _{2e})
01/08/2013-31/12/2015	1,126,175.8	0.7244	815,801

E.2. Calculation of project emissions or actual net removals

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According to ACM0002 and the registered PDD of the Project, the project emission $PE_y = PE_{HP,y}$.

According to ACM0002, the power density of the project is calculated as follows:

$$PD = \frac{Cap_{PJ} - Cap_{BL}}{A_{PJ} - A_{BL}}$$

Where:

PD = Power density of the project activity (W/m²)

Cap_{PJ} = Installed capacity of the hydro power plant after the implementation of the project activity (W)

Cap_{BL} = Installed capacity of the hydro power plant before the implementation of the project activity (W). For new hydro power plants, this value is zero

A_{PJ} = Area of the reservoir measured in the surface of the water, after the implementation of the project activity, when the reservoir is full (m²)

A_{BL} = Area of the reservoir measured in the surface of the water, before the implementation of the project activity, when the reservoir is full (m²). For new reservoirs, this value is zero.

Cap_{BL} and A_{BL} are zero for the project activity is a newly built project. And the Cap_{PJ} is 360,000,000W, the A_{PJ} is 31,547,000 m², so, the power density of the project is:

$$PD = \frac{Cap_{PJ} - Cap_{BL}}{A_{PJ} - A_{BL}} = (360,000,000 - 0) / (31,547,000 - 0) = 11.41 \text{ W/m}^2$$

The power density of the project is 11.41W/m² which is greater than 10W/m². According to the baseline methodology ACM0002, $PE_{HP,y}$ is 0. So $PE_y = 0$.

E.3. Calculation of leakage emissions

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According to ACM0002(Version 12.2.0), leakage emissions of the project is zero.

E.4. Calculation of emission reductions or net anthropogenic removals

	Baseline GHG emissions or baseline net GHG removals (t CO ₂ e)	Project GHG emissions or actual net GHG removals (t CO ₂ e)	Leakage GHG emissions (t CO ₂ e)	GHG emission reductions or net anthropogenic GHG removals (t CO ₂ e)			
				Before 01/01/2013	From 01/01/2013 until 31/12/2020	From 01/01/2021	Total amount
Total	815,801	0	0	0	815,801	0	815,801

E.5. Comparison of emission reductions or net anthropogenic removals achieved with estimates in the registered PDD

Amount achieved during this monitoring period (t CO ₂ e)	Amount estimated ex ante for this monitoring period in the PDD (t CO ₂ e)
815,801	1,062,481

E.5.1. Explanation of calculation of “amount estimated ex ante for this monitoring period in the PDD”

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The estimated annual emission reductions are 769,117tCO₂e/y as per registered PDD. The commissioning for the first generator set started on 13/09/2013, cover 840 days in the monitoring period; the second generator set started on 30/12/2013, cover 732 days in the monitoring period; the third generator set started on 12/04/2014, cover 629 days in the monitoring period; the fourth generator set started on 21/06/2014, cover 559 days in the monitoring period; the fifth generator set started on 01/10/2014, cover 457 days in the monitoring period; the sixth generator set started on 31/10/2014, cover 427 days in the monitoring period; the seventh generator set started on 31/12/2014, cover 366 days in the monitoring period; the eighth

generator set started on 26/03/2015, cover 281 days in the monitoring period; the ninth generator set started on 29/04/2015, cover 247 days in the monitoring period.

So, the according emission reduction in this period is $=769,117/9 \times 840/365 + 769,117/9 \times 732/365 + 769,117/9 \times 629/365 + 769,117/9 \times 559/365 + 769,117/9 \times 457/365 + 769,117/9 \times 427/365 + 769,117/9 \times 366/365 + 769,117/9 \times 281/365 + 769,117/9 \times 247/365 = 1,062,481 \text{ tCO}_2\text{e}$.

The actual emission reductions generated in the monitoring period are 815,801 tCO₂e, which are lower than the estimated emission reductions in the registered PDD.

E.6. Remarks on increase in achieved emission reductions

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Not applicable.

E.7. Remarks on scale of small-scale project activity

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Not applicable.

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Document information

<i>Version</i>	<i>Date</i>	<i>Description</i>
08.0	6 April 2021	Revision to: <ul style="list-style-type: none"> • Reflect the “Clarification: Regulatory requirements under temporary measures for post-2020 cases” (CDM-EB109-A01-CLAR).
07.0	31 May 2019	Revision to: <ul style="list-style-type: none"> • Ensure consistency with version 02.0 of the “CDM project standard for project activities” (CDM-EB93-A04-STAN); • Add a section on remarks on the observance of the scale limit of small-scale project activity during the crediting period; • Add "changes specific to afforestation or reforestation project activity" as a possible post-registration changes; • Clarify the reporting of net anthropogenic GHG removals for A/R project activities between two commitment periods; • Make editorial improvements.
06.0	7 June 2017	Revision to: <ul style="list-style-type: none"> • Ensure consistency with version 01.0 of the “CDM project standard for project activities” (CDM-EB93-A04-STAN); • Make editorial improvements.
05.1	4 May 2015	Editorial revision to correct version numbering.
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.
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.

<i>Version</i>	<i>Date</i>	<i>Description</i>
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 (EB 70, 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).
01.0	28 May 2010	EB 54, Annex 34. Initial adoption.
Decision Class: Regulatory Document Type: Form Business Function: Issuance Keywords: monitoring report		