




**Verification and certification report form for  
CDM project activities  
(Version 04.0)**

**BASIC INFORMATION**

<b>Title and UNFCCC reference number of the project activity</b>	Title: Taraila Small Hydroelectric Project of Ginni Global Ltd. UNFCCC Reference Number : 0376		
<b>Scale of the project activity</b>	<input type="checkbox"/> Large-scale <input checked="" type="checkbox"/> Small-scale		
<b>Version number of the verification and certification report</b>	02.1		
<b>Completion date of the verification and certification report</b>	11/11/2021		
<b>Monitoring period number and duration of this monitoring period</b>	Monitoring Period Number : 04 (of the 1 <sup>st</sup> crediting period) Duration : 01/09/2010-10/10/2017(inclusive of both dates)		
<b>Version number of the monitoring report to which this report applies</b>	03		
<b>Crediting period of the project activity corresponding to this monitoring period</b>	1 <sup>st</sup> crediting period ( Fixed ) Start date :11/10/2007 Length : 11/10/2007-10/10/2017 Changed from : 01/02/2007-31/01/2017		
<b>Project participants</b>	Ginni Global Ltd. (India) Bunge Emissions Fund Limited (Switzerland) EDF Trading Limited (United Kingdom of Great Britain and Northern Ireland)		
<b>Host Party</b>	India		
<b>Applied methodologies and standardized baselines</b>	AMS-I.D.: Grid connected renewable electricity generation --- Version 8.0 Standardized baselines: Not Applicable		
<b>Mandatory sectoral scopes</b>	Sectoral Scope 1: Energy Industries (renewable - /non-renewable sources)		
<b>Conditional sectoral scopes, if applicable</b>	NA		
<b>Estimated amount of GHG emission reductions or GHG removals for this monitoring duration in the registered PDD</b>	179,228 tCO <sub>2</sub> e		
<b>Certified amount of GHG emission reductions or GHG removals for this monitoring period</b>	Amount before 1 January 2013	Amount from 1 January 2013 until 31 December 2020	Amount from 1 January 2021
	5,245 tCO <sub>2</sub> e	74,545 tCO <sub>2</sub> e	N/A
<b>Name and UNFCCC reference number of the</b>	LGAI Technological Center, S.A.(Applus+ Certification)		

DOE	UNFCCC ref. No of the DOE - E-0032
Name, position and signature of the approver of the verification and certification report	Mr. Agustín Calle de Miguel <i>Applus+ Certification CDM Technical Manager</i> Signature: 

## SECTION A. Executive summary

>>LGAI Technological Center, S.A. (hereafter referred to as Applus+ Certification) has been contracted by Ginni Global Limited to perform the fourth periodical verification of “Taraila Small Hydroelectric Project of Ginni Global Ltd.” (UNFCCC Ref. No. 0376) applying the methodology AMS-I.D. Version: 08. The management of Ginni Global Ltd is responsible for the preparation of the GHG emissions data and the reported GHG emission reductions.

### Scope of verification:

The verification is an independent and objective review and ex-post determination of the monitored reductions in GHG emissions by the DOE. The verification includes the implementation and operation of the project activity as set out in the PDD/Approved PDD in the monitoring period.

The verification tests the data and assertions set out in the monitoring report prepared for this monitoring period by the project participant and is based on the following:

- (i) The registered PDD /1.2/, including the monitoring plan and the corresponding validation report;
- (ii) Monitoring report of previous monitoring period as well as corresponding verification report;
- (iii) Monitoring report of this monitoring period;
- (iv) The applied monitoring methodology AMS I. D. version 08 “Grid connected renewable electricity generation”, applied in the PDD;
- (v) UNFCCC criteria referred to in the Kyoto Protocol criteria and the CDM modalities and procedures as agreed in the Bonn Agreement and the Marrakech Accords,
- (vi) The CDM Validation and Verification Standard (VVS) for Project Activity, version 3.0,
- (vii) The CDM Project Standard (PS) and Project Cycle Procedure (PCP) for Project Activity, version 3.
- (viii) Relevant decisions, clarifications and guidance from the CMP and the CDM Executive Board;
- (ix) All information and references relevant to the project activity’s resulting in emission reductions.

The verification has considered both quantitative and qualitative aspects on stated/reported emission reductions. The monitoring report (all versions) and corresponding supporting documentation was assessed in accordance with the rules defined by UNFCCC, as appropriate to the Project activity. The verification is not meant to provide any consulting or recommendations to the project participant/others. However, stated requests for clarifications and/or corrective actions may provide input for improvement of the monitoring activities.

### Verification Process:

The verification process is conducted as per internal CDM Quality Manual, which includes the following steps;

- a) Contract with Ginni Global Ltd. and appointment of verification team and technical review team
- b) Completeness check of Monitoring Report
- c) Publication of Monitoring Report at UNFCCC website
- d) Desk review of Monitoring Report and corresponding ER sheet by verification team and remote assessment audit (as per the guidelines published by UNFCCC during the covid-19 phase)
- e) Interviews with the project team, relevant stakeholders etc. by the verification team
- f) Reporting and closure of findings (CARs/CLs/FARs) and preparation of draft verification report

- g) Independent technical review of the draft verification report and final/revised documentation (e.g., Monitoring Report, corresponding ER sheet and evidences)
- h) Reporting and closure of TR comments/findings (i.e. CARs/CLs/FARs) and final approval for the decision made.
- i) Issuance of final verification report and submission of request for issuance, as appropriate.

### Verification Conclusion:

The Taraila Small Hydroelectric Project is promoted by Ginni Global Ltd and is a run-of-the river small hydroelectric project (project activity), without involving storage of water, located on Taraila Nallah, a tributary of Baira Nallah in district Chamba, Himachal Pradesh. The project has an installed capacity of 5.0 MW. The project activity generates electricity and sells it to the state grid, Himachal Pradesh State Electricity Board (HPSEB) through Power Purchase Agreement (PPA) contract. Thus, project activity displaces the equivalent amount of electricity from the grid which is predominantly generated through fossil fuel based power plant.

Applus+ Certification confirms that the project is implemented in accordance with the validated and registered PDD/1.2 /. The monitoring plan complies with the applied methodology AMS- I.D. Version: 08 / 2.3/ and the monitoring has been carried out in accordance with the monitoring plan. The monitoring system is in place and the emission reductions are calculated without material misstatements. Our opinion relates to the project's GHG emissions and the resulting GHG emission reductions reported and related to the valid and registered project baseline and monitoring and its associated documents.

Based on the outcome of the verification process of the Project activity "Taraila Small Hydroelectric Project" (UNFCCC Ref. No. 0376) for the monitoring period 01/09/2010 to 10/10/2017 (including both dates), Applus+ Certification confirms that the implementation of the referenced project is complying with applicable CDM rules and regulations as stated in the Monitoring Report (final) Version 3 dated 16/10/2021. The project has resulted in 79,790 tCO<sub>2</sub>e emission reductions during period 01/09/2010 to 10/10/2017 (both days included). Therefore, this is being submitted for request for issuance, as per UNFCCC procedures.

## SECTION B. Verification team, technical reviewer and approver

### B.1. Verification team member

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of DOE or outsourced entity)	Involvement in			
						Desk/document review	On-site inspection	Interviews	Verification findings
1.	Lead Auditor/Technical Expert	EI	Ahirwar	Vivek Kumar	Applus+ Certification	Y	N/A	Y	Y

### B.2. Technical reviewer and approver of the verification and certification report

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of DOE or outsourced entity)
1.	Technical reviewer	EI	Shen	Simon	Applus+

					Certification
2.	Approver	IR	Calle de Miguel	Agustín	Applus+ Certification

## SECTION C. Application of materiality

### C.1. Consideration of materiality in planning the verification

No.	Risk that could lead to material errors, omissions or misstatements	Assessment of the risk		Response to the risk in the verification plan and/or sampling plan
		Risk level	Justification	
1.	<b>Manual adjustment of otherwise automatically recorded activity levels:</b> This error may be due to manually recording of actual readings in-to original records.	Low	Monitoring Equipment e.g. Energy Meters have totalize which reduce the chance of error as initial readings and final readings can be cross –check in every records /3.6/,/3.3/,/3.4/. The plant data was verified by plant manager in regular interval, so low potential risk of errors, omissions or misstatements.	100 per cent of the data and information was checked from log book/3.6/, JMR/3.3/ record book/3.5/ and cross-checked from supplier bill/3.4/.
2.	<b>Human error in the quantification of emissions.</b> This error may be due to transfer of monitored data in-to Emission Reduction calculation sheet/4.3/ for calculation of actual emission reduction archived during monitoring period.	High	The monitoring data is transfer manually, so there is high potential risk of errors/errors, omissions or misstatements.	100 per cent of the data and information was checked from log book/3.6/, JMR/3.3/ record book/3.5/ and cross-checked from supplier bill/3.4/

### C.2. Consideration of materiality in conducting the verification

>>The project activity is small- scale project and applicable threshold for materiality in accordance with CDM VVS for PAs Version 03.0 §§326(d) is 5%. All the monthly/daily/hourly reported figures for all monitoring parameter were verified with respective log book/ data Sheets and were found to be consistent. Therefore, Applus+ Certification confirms that 100 per cent of the data and information was checked and verified; the value is free from any potential error / omission / misstatement and is in accordance to verification plan. Therefore, there are no additional factors which might lead to introduction of error in emission reduction estimation.

## SECTION D. Means of verification

### D.1. Desk/document review

>>The Monitoring Report version 01 dated 29/07/2021/1.1/ submitted by the PP was made publicly available on the UNFCCC website before the verification activities started. The published MR was assessed based on all the relevant documents. The aim of the assessment in the desk review was to:

- verify the completeness of the data and the information presented in the MR;
- Check the compliance of the MR with respect to the monitoring plan depicted in the registered PDD /9.0/ and verify that the applied methodology was carried out. Particular attention to the

frequency of measurements, the quality of the metering equipment including calibration requirements, and the quality assurance and quality control procedures was paid;

- Evaluate the data management and the quality assurance and quality control system in the context of their influence on the generation and reporting of emission reductions.

A complete list of documents reviewed or referenced is available in Appendix 3 of this report.

## D.2. On-site inspection

Duration of Remote-site inspection:02/09/2021				
No.	Activity performed on-site	Site location	Date	Team member
1.	Confirm the implementation and operation of the project;	Hydro Project Site at Chamba, Himachal Pradesh, India	02/09/2021	Vivek Kumar Ahirwar
2.	Review the data flow for generating, aggregating and reporting the monitoring parameters;	Hydro Project Site at Chamba, Himachal Pradesh, India	02/09/2021	Vivek Kumar Ahirwar
3.	Confirm the correct implementation of procedures for operations and data collection;	Hydro Project Site at Chamba, Himachal Pradesh, India	02/09/2021	Vivek Kumar Ahirwar
4.	Cross-check the information provided in the MR documentation with other sources;	Hydro Project Site at Chamba, Himachal Pradesh, India	02/09/2021	Vivek Kumar Ahirwar
5.	Check the monitoring equipment against the requirements of the PDD and the approved methodology, including calibrations, maintenance, etc.;	Hydro Project Site at Chamba, Himachal Pradesh, India	02/09/2021	Vivek Kumar Ahirwar
6.	Review the calculations and assumptions used to obtain the GHG data and ER;	Hydro Project Site at Chamba, Himachal Pradesh, India	02/09/2021	Vivek Kumar Ahirwar
7.	Identify if the quality control and quality assurance procedures are in place to prevent or correct errors or omissions in the reported parameters.	Hydro Project Site at Chamba, Himachal Pradesh, India	02/09/2021	Vivek Kumar Ahirwar

The auditing team has conducted a remote site inspection via video-conference (via zoom call) with PP on different topics as mentioned under section D.3 of this report. Based on the discussion, MR review, as the review of UNFCCC procedures and guidelines, the verification team has proceeded to skip the site visit due to the COVID-19 pandemic. As per para 339 of CDM Validation and Verification Standard for project activities version 03.0, the verification team has used the following alternative means for its assessment and to justify that they are sufficient for the purpose of verification.

- By review of MR;
- By taking follow up actions by conducting interview with PP, to gather information about knowledge of project design, current situation via video-conference. Cross-checked evaluation under the scope of all information and references provided. Details of interviewees, topics covered, photographic and video-graphic evidences of the plant and operational status; and additional information presented in the below section "D.3 – Interviews".

Verification team has further checked the site visit requirements mentioned in the VVS for Project Activity version 03.0 **/2.1/**. The justification for the remote assessment requirements of VVS PA version 03.0 **/2.1/** have been cited below:

VVS PA version 03.0 requirements	Verification team justification
<p>Para 338 (b)</p> <p>(b) On-site inspection taking into account paragraphs 339–341 below, involving:</p> <ul style="list-style-type: none"> <li>(i) An assessment of the implementation and operation of the registered CDM project activity as per the registered PDD or any approved revised PDD;</li> <li>(ii) A review of information flows for generating, aggregating and reporting the monitoring parameters;</li> <li>(iii) Interviews with relevant personnel to determine whether the operational and data collection procedures are implemented in accordance with the registered monitoring plan;</li> <li>(iv) Cross checks between information provided in the monitoring report and data from other sources such as plant logbooks, inventories, purchase records or similar data sources;</li> <li>(v) A check of the monitoring equipment including calibration performance and observations of monitoring practices against the requirements of the PDD, the applied methodologies, the applied standardized baselines and the other applied methodological regulatory documents;</li> <li>(vi) A review of calculations and assumptions made in determining the GHG data and GHG emission reductions or net anthropogenic GHG removals;</li> <li>(vii) An identification of quality control and quality assurance procedures in place to prevent, or identify and correct, any errors or omissions in the reported monitoring parameters.</li> </ul>	<p>In line with the VVS requirements, the verification team has done the follow-up actions by means of the following:</p> <p>The team has carried out interviews with relevant persons to confirm and verify the implementation and operation of the registered CDM project activity as per the registered PDD. This is fourth verification of the 1<sup>st</sup> crediting period for the project; Further, the assessment team verified recent pictures of the monitoring equipment(s), video footage of the plant and its monitoring system; additionally all other relevant supporting documents were also reviewed and verified during the entire audit process.</p> <p>The verification team has carried out interviews using Zoom-call application with video camera function, in order to assess the information on registered monitoring plan in the PDD. Further, the team has reviewed the information flows for generating, aggregating and reporting the monitoring parameters.</p> <p>The ex-post parameters are sourced from monthly generation report, invoices, daily logs and also the backup purchase records, lab testing data, calibration certificates etc. This practice has been followed to check both the direct input values against the supporting documents and also by means of cross-checks from the third party reports, invoices etc.</p> <p>Also, the calculations and all input values in the ER sheet were reviewed and discussed with PP during the assessment.</p> <p>It was observed that all required documents, justification, explanation etc. were reliably presented by PP during the videoconference; which were found to be accurate and verifiable.</p>
<p>Para 339</p> <p>It is mandatory for the DOE to conduct an on-site inspection at verification for the registered CDM project activity if:</p> <ul style="list-style-type: none"> <li>(a) It is the first verification for the DOE with regard to this project activity;</li> <li>(b) More than three years have elapsed since the last on-site inspection conducted for verification for the project activity; or</li> <li>(c) The project activity has achieved more than 300,000 tCO<sub>2</sub>eq of GHG emission reductions or net anthropogenic GHG removals since the last verification when an on-site inspection was conducted.</li> </ul>	<p>The verification team has confirmed that the site visit for this project activity was not conducted due to the COVID-19 pandemic. The Executive Board of the Clean Development Mechanism (CDM) agreed at its 110th meeting, the Board agreed (in responses to Stakeholder Communication INQ-10737) to extend the COVID-19 Temporary Measures until 31/12/2021/2.5/. The verification team has further checked and then confirmed that the site visit cannot be postponed since a delay on performing the mandatory on-site visit for the project activity, will impact a delay in CERs delivery, as there is an ERPA dated 01/08/2020 in place, signed in between the parties /6.3/.</p>

**D.3. Interviews**

No.	Interviewee			Date	Subject	Team member
	Last name	First name	Affiliation			
1.	Malhotra	Alok	Director, Ginni Global Taraila project	02/09/2021	Monitoring Data & Records Monitoring Plan, equipment, calibrations, maintenance, data records, certificates etc.;  Records & Consumption, Bill & Energy Bills/Records. Calculations and assumptions used to obtain the GHG data and ER	Vivek Kumar Ahirwar
2.	Anjan	Abhishek	Executive - Operationa - Climate Change -EKL Energy Services Limited	02/09/2021	Project Activity Description, implementation and operation of the project. Procurement Records & Consumption, Bill & Energy Bills/Records. Calculations and assumptions used to obtain the GHG data and ER	Vivek Kumar Ahirwar
3.		Rajender	Ginni Global Taraila project	02/09/2021	Records & Consumption, Bill & Energy Bills/Records. Calculations and assumptions used to obtain the GHG data and ER	Vivek Kumar Ahirwar
4.	Dutta	Bhaskar	HP-DGM Operationa - Climate Change -EKL Energy Services Limited	02/09/2021	Project Activity Description, implementation and operation of the project. Procurement Records & Consumption, Bill & Energy Bills/Records. Calculations and assumptions used to obtain the GHG data and ER	Vivek Kumar Ahirwar

**D.4. Sampling approach**

>>Not Applicable, as all monitoring data as reported in MR and ER were verified and checked from actual records.

**D.5. Clarification requests (CLs), corrective action requests (CARs) and forward action requests (FARs) raised**

Areas of verification findings	No. of CL	No. of CAR	No. of FAR
Compliance of the monitoring report with the monitoring report form	CL#2	CAR#1,CAR#2	-
Compliance of the project implementation and operation with the registered PDD	-	-	-
Post-registration changes	-	-	-
Compliance of the registered monitoring plan with the methodologies including applicable tools and standardized baselines	-	-	-
Compliance of monitoring activities with the registered monitoring plan	-	-	-
Compliance with the calibration frequency requirements for measuring instruments	-	-	-
Assessment of data and calculation of emission reductions or net removals	CL#1	CAR#3,CAR#4	-
Assessment of reported sustainable development co-benefits	-	-	-
Global stakeholder consultation	-	-	-
Others (please specify)	-	-	-
<b>Total</b>	<b>2</b>	<b>4</b>	

**SECTION E. Verification findings****E.1. Compliance of the monitoring report with the monitoring report form**

<b>Means of verification</b>	The Monitoring Report version 03/1.6/ is compliant with Monitoring Report form (Version 09.0) /2.4/ and guidance as provided by UNFCCC.Applus+ Certification considers that the attachment "Instructions for filling out the monitoring report form" at the end of template "Monitoring report form (Version 09.0)" /2.4/ has been followed. Relevant information was provided by the project participant in the applicable Monitoring Report sections.
<b>Findings</b>	CL#2,CAR#1,CAR#2 was raised and resolved during assessment of monitoring report against monitoring report form requirement
<b>Conclusion</b>	Applus+ Certification confirms that the monitoring report is in compliance with the relevant valid form and instructions therein as accordance to "Clean Development Mechanism Validation and Verification Standard for Project Activity" (CDM- VVS for PA) v03.0 §§ 352-353.

**E.2. Remaining forward action requests from validation and/or previous verifications**

>>This is periodic verification of the project under the first crediting period(fixed). There are no pending issues from the validation or the previous verification/1.3/. This was verified and confirmed from the project documents on the UNFCCC project webpage /1.3/.

### E.3. Compliance of the project implementation and operation with the registered project design document

<b>Means of verification</b>	<p>The project activity was fully implemented according to the description presented in the registered PDD /1.2/. The assessment team confirms, through the visual inspection that all physical features of the CDM project activity including data collecting systems and storage have been implemented in accordance with the registered PDD /1.2/.</p> <p>The registered project activity was commissioned on 17/10/2007 ,the same was verified from the commissioning certificate./3.1/.During the remote assessment, the assessment team verified the technology used and the capacity of equipments implemented at the project site through real-time photographs /6.1/ and it can be confirmed that there are no changes in the project design against the registered project design document. The technical specification of project activity equipment was verified against the name plate details/3.8/ of turbines and generators at project via remote audits.</p> <p>Geo-coordinates of the project location is at Latitude 32.9086 N Longitude 76.1475 E.Location of the project was verified through Google maps(<a href="https://www.gps-coordinates.net/">https://www.gps-coordinates.net/</a>) and found consistent with the same mentioned in the registered PDD/1.2/ and MR/1.6/.</p> <p>The line diagram of the metering system of the project activity showing metering points is indicated in Section C of the MR/1.6/. The same is found to be consistent during remote visit.</p> <p>Actual emission reductions achieved during the current monitoring period are 55.48% less than the same estimated in the registered CDM-PDD /1.2/ for comparable period. This is due to lower PLF obtained for the present monitoring period "Taraila nala" (where the project activity is installed) (Kindly refer section E.8.6 of this report for further details).</p> <p>No events or situations that may impact the applicability of the methodology occurred during this monitoring period, which was confirmed by checking the operational/shut down details available during the remote audit and interviewing the site personnel. The project was checked against the applicability criteria in the applied methodology AMS-I.D. Version 08 and it is confirmed that the methodology is applicable to the project activity. The data and variables provided in the Monitoring Report are the same as stated in the approved monitoring plan.</p>
<b>Findings</b>	<p>No non-conformability was observed during assessment for implementation of project activity against the description presented in the registered PDD/1.2/. Therefore no finding was raised.</p>
<b>Conclusion</b>	<p>Applus+ Certification confirms that the implementation of project activity is in compliance with the CDM requirement stipulated under CDM- VVS for PAV03.0 §§ 354-356.</p> <p>The implementation and operation of the project activity has been conducted in accordance with the description contained in the registered PDD /1.2/.</p> <ol style="list-style-type: none"> <li></li> <li>By means of remote audit the verification team is able to confirm that all physical features (technology, project equipment, and monitoring and metering equipment) of the registered CDM project activity are in place and that the project participants have operated the project activity as per the registered PDD/1.2/.</li> <li>No information with regard to data and variables was identified that may surpass the estimated quantity of ERs in the registered PDD/1.2/.</li> </ol> <p>The emission reductions achieved during the current monitoring period are 79,790 tCO<sub>2</sub>e within the estimated quantity (179,228 tCO<sub>2</sub>e) in the registered PDD /1.2/ for the comparable period.</p>

**E.4. Post-registration changes****E.4.1. Temporary deviations from the registered monitoring plan, applied methodologies, standardized baselines or other methodological regulatory documents<sup>1</sup>**

>>There are no temporary deviations from the monitoring plan of registered PDD/1.2/ or applied methodology/2.3/ during the current monitoring period. It was verified and confirmed from the Monitoring Report/1.6/, registered PDD/1.2/, UNFCCC project webpage /1.3/ and remote audit /6.1/ & /6.2/.

**E.4.2. Corrections**

>>There are no corrections during the current monitoring period.

**E.4.3. Changes to the start date of the crediting period**

>>The start date of the crediting period has been changed to 11/10/2007 to 10/10/2017 from 01/02/2007 to 31/01/2017<sup>2</sup>. It was verified and confirmed from the UNFCCC project webpage /1.3/.

**E.4.4. Inclusion of a monitoring plan**

>>There is no inclusion of a monitoring plan identified during the current monitoring period.

**E.4.5. Permanent changes from registered monitoring plan, or permanent deviation of monitoring from the applied methodologies, standardized baselines or other methodological regulatory documents**

>>There are no Permanent changes from the registered monitoring plan identified during the current monitoring period.

**E.4.6. Changes to the project design**

>>There is no change to project design of the registered project activity identified during the current monitoring period. It was verified and confirmed from the Monitoring Report/1.6/, registered PDD/1.2/, UNFCCC project webpage /1.3/ and remote verification /6.1/&/6.2/.

**E.4.7. Changes specific to afforestation and reforestation project activities**

>>Not Applicable.

**E.5. Compliance of the registered monitoring plan with applied methodologies, applied standardized baselines, and other applied methodological regulatory documents**

<b>Means of verification</b>	The review of applied methodology and monitoring plan establishes that the monitoring plan presented in the PDD/1.2/ is consistent the approved AMS-I.D. Version 08 – “Grid connected renewable electricity generation” /2.3/.
<b>Findings</b>	No non-conformability was observed during assessment for monitoring plan against applied monitoring methodology. Therefore, no finding was raised.
<b>Conclusion</b>	Applus+ Certification confirms that the monitoring plan is in accordance with the approved methodology /2.3/ and correctly applied by the registered CDM project activity and CDM-VVS for PA v03.0 §§ 357-359 have been met.

<sup>1</sup> Other standards, methodologies, methodological tools and guidelines (to be) applied in accordance with the applied(selected) methodologies are collectively referred to as the other (applied) methodological regulatory documents).

<sup>2</sup><https://cdm.unfccc.int/Projects/DB/TUEV-SUED1145360501.38/view>

**E.6. Compliance of monitoring activities with the registered monitoring plan****E.6.1. Data and parameters fixed ex ante or at renewal of crediting period**

<b>Means of verification</b>	The following parameter was fixed ex-ante defined in registered PDD/1.2/:	
	<b>Data/ parameter:</b>	EF <sub>y</sub>
	<b>Data Unit</b>	Kg of CO <sub>2</sub> /kWh
	<b>Description</b>	CO <sub>2</sub> baseline emission factor for the electricity displaced due to the project activity
	<b>Source of data</b>	The baseline emission factor for the project activity has been calculated in the registered PDD using the power generation mix and recent capacity additions of Northern Regional electricity grid
	<b>Value(s) applied</b>	0.950
	The reported value has been verified and considered appropriately in the MR/1.6/ and the ER calculation excel sheet/4.3/.	
<b>Findings</b>	No non-conformability was observed about data and parameters fixed ex ante in registered PDD /1.2/. Therefore, no finding was raised.	
<b>Conclusion</b>	Value of parameter reported in the monitoring report /1.6/ and corresponding emission reduction calculations spreadsheet /4.3/ are consistent with the registered PDD/1.2/. The applied values are correct and justified.	

**E.6.2. Data and parameters monitored**

**Parameter 1:**Total electrical energy exported by the project activity (EG<sub>export</sub>)

<b>Means of verification</b>	<p>The monitoring of reductions in GHG emissions resulting from the registered project have been implemented in accordance with the monitoring plan contained in the registered PDD/1.2/. The monitoring mechanism, including the data collection system, is effective and reliable. During the remote visit, personnel involved at various levels of operation of the project activity have been interviewed. It has been confirmed that the O&amp;M personnel from the plant are conscious of the importance of the monitoring activities.</p> <p>Remote verification of "Total electrical energy exported by the project activity" data has been done as follows :</p>				
	Monitoring Report, onsite checks	Requirement in the applicable methodology and relevant EB Documents	Requirement in the PDD/1.2/ monitoring Plan	Means of Verification (MR/1.6/ and ER calculation in excel sheet /4.3/ check and consistency with actual monitoring practice at project site )	DOE Conclusion
	Revised Monitoring Plan & Approved Methodology				
	<b>Data/Parameter</b>	Not specified	EG <sub>export</sub>	EG <sub>export</sub>	This is in compliance with the applicable methodology and monitoring plan.

	<b>Description</b>	Not Specified	Total electrical energy exported by the project activity	Total electrical energy exported by the project activity	This is in compliance with the monitoring plan.
	<b>Measured/Calculated /Default</b>	Not Specified	Measured	Measured	The energy meters (main and check) installed at grid substation in order to directly measure the net electricity supplied to the grid as verified during remote inspection. Hence this is in compliance with the applicable methodology and monitoring plan.
	<b>Source of data</b>	Not Specified	Plant records (Power Export Bills)	Plant Records (Power Export Bills/Joint Meter Reading Report)/3.3/	Specific information is provided. This is in compliance with the applicable methodology and monitoring plan.
	<b>Monitoring equipment</b>	Not Specified	Energy meter	Energy meter	This is in compliance with the applicable methodology and monitoring plan.
	<b>Measuring/Reading/ Recording frequency</b>	Not Specified	Continuously monitoring and hourly Measurement and monthly recording.	Monitored continuously on a real time basis and recorded monthly basis in JMR /3.3/	During remote audit, it was verified and confirmed that the quantity of electricity exported to grid is measured at the main meter and check meter at the grid interface 33/11kV substation, under HPSEB. Based on remote inspection and interview with PP of project activity during remote audit; the assessment team confirmed that Monthly joint meter reading of main meters installed at the substation has been taken and signed by authorized personnel of PP and HPSEB. Also, the Joint meter

					<p>reading is basis for monthly invoice of net energy exported to the grid confirmed against JMR /3.3/ and Bill /3.4/</p> <p>This is in compliance with the applicable methodology and monitoring plan.</p>
	Calculation method (if applicable)	Not Specified	Measured Parameter	N.A.	<p>Specific information is provided. This value is based on the measured parameter. This is in compliance with the applicable methodology and monitoring plan.</p>
	QA/QC procedures	Not Specified	<p>Main and Check meters of M/s L &amp; T Make, Model No./Type No. AC – 3 Phase 4 Wire / Type – ER 300 P. Sealed meter installed. Monitored by HP State Electricity Board.</p>	<p>The Energy meter serial number was cross-checked with electricity bill/3.4/ provided by the PP and found meters are identified by their unique eight digit number; this was also checked with monthly JMR statements/3.3/ issued by HPSEB. The electricity invoices record /3.4/ provided by the PP were checked and found acceptable. The monthly Joint Meter Reading statements /3.3/, monthly electricity Bills /invoices record /3.4/was checked and found acceptable. During the remote audit, it was verified</p>	<p>Methodology does not provide any specifications; this is as per actual practice. But, this is in line with the general CDM requirements.</p>

				that the monitoring personnel, instructor and shift in-charge have the required knowledge about monitoring parameters, they know the importance of monitoring and are very much aware of the CDM project and its monitoring system.	
	Value (s) of Monitored parameter	Not Specified	Not Specified	Month wise data is represented in MR /1.6/ and ER sheet /4.3/. The values are found to be correct and consistent with raw data available at project site.	The information flow (data generation, aggregation, recording, calculation and reporting) for the parameters to be monitored including its values in the final version of the MR/1.6/ and ER sheet /4.3/ have been correctly reported and confirmed by the assessment team.
<b>Findings</b>	No findings were raised				
<b>Conclusion</b>	<p>Applus+ Certification confirms that the actual monitoring activities observed during remote visit are in compliance with the approved monitoring plan and the same is in line with the monitoring methodology /2.3/.</p> <p>The applicable parameter stated in the approved revised monitoring plan and the applied methodology/2.3/ have been sufficiently monitored. The responsibilities and authorities for monitoring and reporting are in accordance with what is stated in the registered PDD/1.2/. The information flow (data generation, aggregation, recording, calculation and reporting) for the parameters to be monitored including its values in the final version of the MR/1.6/ have been correctly reported and confirmed. Hence, the requirement of CDM-VVS for v03.0 §§ 360-364 have been met.</p>				

**Parameter 2: Total electrical energy imported by the project activity;  $E_{import}$**

<b>Means of verification</b>	<p>The monitoring of reductions in GHG emissions resulting from the registered project have been implemented in accordance with the monitoring plan contained in the registered PDD /1.2/. The monitoring mechanism, including the data collection system, is effective and reliable. During the remote visit, personnel involved at various levels of operation of the project activity have been interviewed. It has been confirmed that the O&amp;M personnel from the plant are conscious of the importance of the monitoring activities</p> <p>Remote audit of “Total electrical energy imported by the project activity” data has been done as follows</p>
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	Monitoring Report, onsite checks	Requirement in the applicable methodology and relevant EB Documents	Requirement in the PDD/1.2/ monitoring Plan	Means of Verification (MR/1.6 and ER calculation in excel sheet /4.3/ check and consistency with actual monitoring practice at project site )	DOE Conclusion
	Revised Monitoring Plan & Approved Methodology				
	Data/Parameter	Not specified	E <sub>import</sub>	E <sub>import</sub>	This is in compliance with the applicable methodology and monitoring plan.
	Description	Not Specified	Total electrical energy imported by the project activity	Total electrical energy imported by the project activity	This is in compliance with the monitoring plan.
	Measured/Calculated /Default	Not Specified	Measured	Measured	The energy meters (main and check) installed at grid substation in order to directly measure the net electricity supplied to the grid as verified during remote inspection. Hence this is in compliance with the applicable methodology and monitoring plan.
	Source of data	Not Specified	Plant records (Power Export Bills)	Plant Records (Power Export Bills/Joint Meter Reading Report)/3.3/	Specific information is provided. This is in compliance with the applicable methodology and monitoring plan.
	Monitoring equipment	Not Specified	Energy meter	Energy meter	This is in compliance with the applicable methodology and monitoring plan.

	Measuring/Reading/ Recording frequency	Not Specified	Continuously monitoring and hourly Measurement and monthly recording.	Monitored continuously on a real time basis and recorded monthly basis in JMR /3.3/	During remote visit, it was verified and confirmed that the quantity of electrify exported to grid is measured at the main meter and check meter at the grid interface 33/11kV substation, under HPSEB. Based on remote inspection and interview with PP of project activity during remote visit; the assessment team confirmed that Monthly joint meter reading of main meters installed at the substation has been taken and signed by authorised personnel of PP and HPSEB. Also, the Joint meter reading is basis for monthly invoice of net energy exported to the grid confirmed against JMR /3.3/ and Bill /3.4/  This is in compliance with the applicable methodology and monitoring plan.
	Calculation method (if applicable)	Not Specified	Measured Parameter	N.A.	Specific information is provided. This value is based on the measured parameter. This is in compliance with the applicable methodology and monitoring

					plan.	
	QA/QC procedures	Not Specified	Total electrical energy imported will be monitored by duly tested and sealed meter installed. Monitored by HP State Electricity Board.	The Energy meter serial number was cross-checked with electricity bill /3.4/ provided by the PP and found meters are identified by their unique eight digit number; this was also checked with monthly JMR statements /3.3/ issued by HPSEB. The electricity invoices record provided by the PP were checked and found acceptable. The monthly Joint Meter Reading statements /3.3/, monthly electricity Bills /invoices record /3.4/ was checked and found acceptable. During the remote visit it was verified that the monitoring personnel, instructor and shift in-charge have the required knowledge about monitoring parameters, they know the importance of monitoring and are very much aware of the CDM project and its	Methodology does not provide any specifications; this is as per actual practice. But, this is in line with the general CDM requirements.	

				monitoring system.	
	Value (s) of Monitored parameter	Not Specified	Not Specified	Month wise data is represented in MR /1.6/ and ER sheet /4.3/. The values are found to be correct and consistent with raw data available at project site.	The information flow (data generation, aggregation, recording, calculation and reporting) for the parameters to be monitored including its values in the final version of the MR/1.2/ and ER sheet /4.3/ have been correctly reported and confirmed by the assessment team.
<b>Findings</b>	No findings were raised.				
<b>Conclusion</b>	<p>Applus+ Certification confirms that the actual monitoring activities observed during remote visit are in compliance with the approved monitoring plan and the same is in line with the monitoring methodology /2.3/.</p> <p>The applicable parameter stated in the approved revised monitoring plan and the applied methodology/2.3/ have been sufficiently monitored. The responsibilities and authorities for monitoring and reporting are in accordance with what is stated in the registered PDD/1.2/. The information flow (data generation, aggregation, recording, calculation and reporting) for the parameters to be monitored including its values in the final version of the MR/1.6/ have been correctly reported and confirmed. Hence, the requirement of CDM-VVS for v03.0 §§ 360-364 have been met.</p>				

**Parameter 3: Net electrical energy exported by the project activity; EG<sub>y</sub>**

<b>Means of verification</b>	<p>The monitoring of reductions in GHG emissions resulting from the registered project have been implemented in accordance with the monitoring plan contained in the registered PDD/1.2/. The monitoring mechanism, including the data collection system, is effective and reliable. During the remote visit, personnel involved at various levels of operation of the project activity have been interviewed. It has been confirmed that the O&amp;M personnel from the plant are conscious of the importance of the monitoring activities</p> <p>Remote verification of “Net electrical energy exported by the project activity” data has been done as follows</p>				
	<div>Monitoring Report, onsite checks</div> <div>Revised Monitoring Plan &amp; Approved Methodology y</div>	Requirement in the applicable methodology and relevant EB Documents	Requirement in the PDD /1.2/ monitoring Plan	Means of Verification (MR/1.6/ and ER calculation in excel sheet /4.3/ check and consistency with actual monitoring practice at	DOE Conclusion

				project site )	
	<b>Data/Parameter</b>	EG <sub>y</sub>	EG <sub>y</sub>	EG <sub>y</sub>	This is in compliance with the applicable methodology and monitoring plan.
	<b>Description</b>	The electricity supplied by the project activity to the grid	Net electrical energy exported by the project activity	Net electrical energy exported by the project activity	This is in compliance with the applicable methodology and monitoring plan.
	<b>Measured/Calculated/Default</b>	Calculated	Calculated	Calculated parameter based on measured value of EG <sub>export</sub> and E <sub>import</sub>	The energy meters (main and check) installed at grid substation in order to directly measure the net electricity supplied to the grid as verified during remote inspection. Hence this is in compliance with the applicable methodology and monitoring plan.
	<b>Source of data</b>	On site measurement	Monthly Joint Meter Readings (JMRs) /3.3/	Plant Records (Power Export Bills/Joint Meter Reading Report)/3.3/	Specific information is provided. This is in compliance with the applicable methodology and monitoring plan.
	<b>Monitoring</b>	Energy meter	Energy meter	Energy meter	This is in compliance

	<b>equipment</b>				with the applicable methodology and monitoring plan.
	<b>Measuring/Reading/Recording frequency</b>	Monthly	Monthly	Monthly	This is in compliance with the applicable methodology and monitoring plan.
	<b>Calculation method (if applicable)</b>	Applied methodology does not provide any details.	$EG_y = EG_{\text{export}} - E_{\text{import}}$	$EG_y = EG_{\text{export}} - E_{\text{import}}$	Specific information is provided. This value is based on the measured parameter. This is in compliance with the applicable methodology and monitoring plan.
	<b>QA/QC procedures</b>	Applied methodology does not provide any details.	This figure can be cross verified using the Invoices raised by the company and also from the payment received by the company from HPSEB for the month.	Measurement results are cross-checked with records for sold electricity invoice raised by GGPL /3.4/.	The energy bills /3.4/ can be cross checked with monthly joint meter reading report /3.3/ duly verified and authorized by HP State Electricity Board. This is in compliance with the applicable methodology and monitoring plan.
	<b>Value (s) of Monitored parameter</b>	Not Specified	Not Specified	Month wise data is represented in MR /1.6/ and ER sheet /4.3/. The values are found to be	The information flow (data generation, aggregation, recording, calculation and

				correct and consistent with raw data available at project site.	reporting) for the parameters to be monitored including its values in the final version of the MR/1.6/ and ER sheet /4.3/ have been correctly reported and confirmed by the assessment team.
<b>Findings</b>	No findings were raised.				
<b>Conclusion</b>	<p>Applus+ Certification confirms that the actual monitoring activities observed during remote visit are in compliance with the approved monitoring plan and the same is in line with the monitoring methodology /2.3/.</p> <p>The applicable parameter stated in the approved revised monitoring plan and the applied methodology/2.3/ have been sufficiently monitored. The responsibilities and authorities for monitoring and reporting are in accordance with what is stated in the registered PDD /1.2/. The information flow (data generation, aggregation, recording, calculation and reporting) for the parameters to be monitored including its values in the final version of the MR/1.6/ have been correctly reported and confirmed. Hence, the requirement of CDM-VVS for v03.0 §§ 360-364 have been met.</p>				

### E.6.3. Implementation of sampling plan

<b>Means of verification</b>	No sampling plan is defined in the registered approved monitoring plan. All the data and information has been checked during remote verification assessment, thus no sampling plan has been applied in the Project.
<b>Findings</b>	Not Applicable
<b>Conclusion</b>	Not Applicable

### E.7. Compliance with the calibration frequency requirements for measuring instruments

<b>Means of verification</b>	<p>All the monitoring parameters have been monitored and the monitoring results are consistently recorded as per the frequency mentioned under the revised monitoring plan. Accuracy of all equipment has been observed to be maintained within the specified limits.</p> <p>The metering equipment for electricity measurement mainly consists of a main meter and a check energy meter (bidirectional tri-vector type) which are used to monitor the quantity of electricity export and import by the project activity. All the meters are 0.2s accuracy class. The calibration was done by third party authorized by the grid authority. The assessment team has checked the calibration certificates/5.1/ for accuracy and validity, so as to assure reliability and steadiness of monitoring results. The calibrations results have been verified as below.</p> <table border="1"> <thead> <tr> <th colspan="2">Meter Serial No</th><th>Calibration Date</th><th>Due date of Calibration</th><th>Accuracy Class</th></tr> </thead> <tbody> <tr> <td>Main Meter</td><td>07033694</td><td>21/01/2010</td><td>20/06/2010</td><td>0.2s</td></tr> </tbody> </table>				Meter Serial No		Calibration Date	Due date of Calibration	Accuracy Class	Main Meter	07033694	21/01/2010	20/06/2010	0.2s
Meter Serial No		Calibration Date	Due date of Calibration	Accuracy Class										
Main Meter	07033694	21/01/2010	20/06/2010	0.2s										

	Check Meter	07033704			
	Main Meter	06675056	05/10/2010	03/04/2011	0.2s
	Check Meter	06675061			
	Main Meter	07033694	02/06/2011	29/12/2011	0.2s
	Check Meter	07033704			
	Main Meter	06675056	10/02/2012	08/08/2012	0.2s
	Check Meter	06675061			
	Main Meter	07033694	22/12/2012	20/06/2013	0.2s
	Check Meter	07033704			
	Main Meter	06675056	10/06/2013	07/12/2013	0.2s
	Check Meter	06675061			
	Main Meter	07033694	22/11/2013	21/05/2014	0.2s
	Check Meter	07033704			
	Main Meter	06675056	28/05/2014	24/11/2014	0.2s
	Check Meter	06675061			
	Main Meter	07033694	30/10/2014	28/04/2015	0.2s
	Check Meter	07033704			
	Main Meter	06675056	10/04/2015	07/10/2015	0.2s
	Check Meter	06675061			
	Main Meter	15194874	06/11/2015	04/05/2016	0.2s
	Check Meter	15196923			
	Main Meter	15625791	12/05/2016	08/11/2016	0.2s
	Check Meter	15625792			
	Main Meter	15194874	7/11/2016	6/05/2017	0.2s
	Check Meter	15196923			
	Main Meter	15625791	29/04/2017	26/10/2017	0.2s
	Check Meter	15625792			
	Main Meter	15194874	13/12/2017	12/12/2018	0.2s
	Check Meter	15196923			

<b>Meter Change Details</b>				
<b>Meter &amp; Sr. No.</b>	<b>Operational Duration</b>	<b>Meter Change Date</b>	<b>Calibration Validity</b>	<b>Considered Delay Period (Entire Month) for application of error factor</b>
07033694 (main meter) 07033704 (check meter)	01/09/2010 to 09/12/2010	09/12/2010	21/01/2010 - 20/06/2010	Sep-2010, Oct-2010, Nov-2010, Dec- 2010
06675056 (main meter) 06675061 (check meter)	09/12/2010 to 08/06/2011	08/06/2011	05/10/2010 - 03/04/2011	Apr-2011, May-2011, Jun-2011
07033694 (main meter) 07033704 (check meter)	08/06/2011 to 22/03/2012	22/03/2012	02/06/2011- 29/12/2011	Dec-2011, Jan-2012, Feb2012, Mar2012
06675056 (main meter) 06675061 (check meter)	22/03/2012 to 22/12/2012	22/12/2012	10/02/2012- 08/08/2012	Aug-2012, Sept-2012, Oct-2012, Nov-2012, Dec 2012
07033694 (main meter) 07033704 (check meter)	22/12/2012 to 21/06/2013	21/06/2013	22/12/2012- 20/06/2013	No delay
06675056 (main meter) 06675061 (check meter)	21/06/2013 to 11/12/2013	11/12/2013	10/06/2013- 07/12/2013	Dec-2013
07033694 (main meter) 07033704 (check meter)	11/12/2013 to 11/06/2014	11/06/2014	22/11/2013- 21/05/2014	May-2014, June-2014
06675061 (main meter) 06675056 (check meter)	11/06/2014 to 09/12/2014	09/12/2014	28/05/2014- 24/11/2014	Nov-2014, Dec-2014
07033697 (main meter) 07033704 (check meter)	09/12/2014 to 01/06/2015	01/06/2015	30/10/2014- 28/04/2015	Apr-2015, May-2015, June 2015
06675061 (main meter) 06675056 (check meter)	01/06/2015 to 24/11/2015	24/11/2015	10/04/2015- 07/10/2015	Oct-2015, Nov-2015
15194874 (main meter) 15196923 (check meter)	24/11/2015 to 27/05/2016	27/05/2016	06/11/2015- 04/05/2016	May-2016
15625791 (main meter) 15625792 (check meter)	27/05/2016 to 30/11/2016	30/11/2016	12/05/2016- 08/11/2016	Nov-2016
15194874 (main meter) 15196923	30/11/2016 to 06/06/2017	06/06/2017	07/11/2016 - 06/05/2017	Jun-2017 and May 2017

	(check meter)				
	15625791 (main meter) 15625792 (check meter)	06/06/2017 to 29/12/2017	29/12/2017	29/04/2017-28/10/2017	Oct-2017, Nov-2017, Dec-2017
	15194874 (main meter) 15196923 (check meter)	29/12/2017 to 04/07/2018	04/07/2018	13/12/2017 - 12/06/2018	Jun-2018, Jul-2018
	<p>The installation and working condition of the meters were checked during the remote inspection and it was found to be satisfactory. These meters are duly approved, installed, tested, sealed and in the custody of the state utility. The PP has no control over the same.</p> <p>The assessment team has verified the calibration certificates of all the meters and confirmed that all the meters were working within acceptable limits of accuracy and no delay in calibration is identified during the current monitoring period.</p> <p>It is verified that the PP receives payment, for the electricity supplied to the grid, from the state utility (which is a Government Organisation and a 3<sup>rd</sup> party with respect to this CDM project). This electricity supplied to the grid is obtained using directly measured values at the energy meters. Hence, the state utility ensures that the energy meters are in proper working condition, since it has to make payments based on these meter readings.</p> <p>There are two sets of meters (each set contains one main meter and one check meter) installed in the substation to record the energy exported/imported to the grid. During the verification it has been found that one set of meters was installed while the other set was kept as spare at HPSEB Grid substation. Both the sets of meters were calibrated, confirmed by reviewing respective calibration certificates/5.1/. The two sets of meters have been verified during the remote visit by online inspection of meters and the respective serial numbers were cross checked through review of monthly JMR/3.3/ statements and the Daily Generation Report/Log book /3.6/. The reason behind using two sets of meters is that when one set is being calibrated, the other calibrated set of meters are placed to monitor the energy exported/imported and thus it maintains the continuity of monitoring. Any meter replacement is recorded at sub-station and reflected in the monthly JMR statements/3.3/ and HPSEB issued the meter replacement certificate /5.1/, same was verified by the assessment team. Furthermore, this is important to mention here that the deployment of energy meters (main and check) at the grid substation is completely under jurisdiction grid authority and the project participant does not have any interference in that process. However, the assessment team concluded that during the monitoring period, the main and check meter deployed for power monitoring was duly calibrated and within the permissible limits of error. This confirmed by reviewing respective calibration certificates/5.1/.</p> <p>The date of replacement for energy meters (along with initial/ final readings) is reflecting in respective monthly JMR/3.3/ statements and the Daily Generation Report/Log book /3.6/. Hence, the PP is meeting the requirement stated in the monitoring plan of the registered PDD/1.2/.</p>				
<b>Findings</b>	No findings were raised				
<b>Conclusion</b>	Applus+ Certification confirms that the calibration is conducted at the frequency following the relevant industry standard as specified by the methodology /2.3/ and the registered PDD monitoring plan /1.2/. Therefore, the requirement of CDM-VVS for PA v03.0 §§ 367 have been met.				

**E.8. Assessment of data and calculation of emission reductions or net removals****E.8.1. Calculation of baseline GHG emissions or baseline net GHG removals by sinks**

Means of verification	The verification team verified that			
	a) A complete set of data for the monitoring period was available for the monitoring period and the verification of each monitoring parameter is elaborated under Section E.6.2 of this report. The complete monitoring data is also presented in the corresponding ER sheet /4.3/ of final Monitoring Report /1.6/.			
	b) The information provided in the monitoring report was cross checked with other sources, wherever appropriate and available, and such information is also included under Section E.6.2 of this report.			
	c) The calculations of baseline emissions as presented in the corresponding ER sheet/4.3/ of final Monitoring Report/1.6/ were checked and found to be consistent with the formulae and methods described in the registered monitoring plan and the applied methodology.			
	d) All assumptions used in the emission calculations were found appropriate and therefore justified			
	e) Appropriate emission factors and other reference values have been correctly applied. This has also been elaborated under Section E.6.1 of this report.			
	f) No standardized baseline was prescribed in the registered PDD/1.8/ and therefore it has not been applied.			
	The baseline emissions are the product of net electricity supplied to the grid EG,expressed in MWh of electricity produced by the renewable generating unit multiplied by the grid emission factor. Baseline emission factor is calculated as combined margin, consisting of a combination of operating margin (OM) and build margin (BM) factors.			
	The baseline emissions (BEy) for the project activity is calculated as follows: BEy = EGBL, y x EFCO2			
	Where,			
	BEy is the baseline emissions for the project activity (tCO2e)			
	EGBL,y is the electricity supplied to the grid by the project activity (MWh)			
	EFCO2 is the combined margin emission factor calculated ex-ante, as 0.95 tCO2/MWh			
	Monitoring Period	EGBL,y	EFCO2	BEy
	Before 01/01/2013  (i.e. 01/09/2010to 31/12/2012)	5,521 MWh	0.95 tCO2/MWh	5,245 tCO2
	After 01/01/2013  (i.e. 01/01/2013 to 10/10/2017)	78,468 MWh	0.95 tCO2/MWh	74,545 tCO2
	Entire Monitoring Period ( 01/09/2010 to 10/10/2017)	83,989.00MWh	0.95 tCO2/MWh	79,790 tCO2
Findings	#CL1, #CAR3 ,#CAR4 were raised and resolved.			
Conclusion	Applus+ Certification confirms that the requirement outlined under CDM-VVS for v03.0 §§ 373 have been meet as: <ul style="list-style-type: none"><li>A complete set of data for the monitoring period is available.</li><li>Information on the baseline GHG emission calculation provided in the monitoring report /1.6/ has been cross-checked with other sources.</li><li>Calculations of baseline emissions have been carried out in accordance with the formulae and methods described in the monitoring plan and the applied methodology document.</li></ul> Appropriate emission factor of the power grid has been correctly applied.			

**E.8.2. Calculation of project GHG emissions or actual net anthropogenic GHG removals by sinks**

<b>Means of verification</b>	The registered project activity is a run-of-river hydroelectric project. There are no anthropogenic emissions by sources of GHGs in the project boundary as a result of the project activity. Hence, the project emission is considered 0 tCO <sub>2</sub> e.
<b>Findings</b>	No non-conformability was observed during assessment for this section. Therefore, no finding was raised.
<b>Conclusion</b>	<p>Applus+ Certification confirms that the requirement outlined under CDM-VVS for PA v03.0§§ 373 have been meet as:</p> <ul style="list-style-type: none"> <li>• A complete set of data for the monitoring period is available.</li> <li>• Information on the project GHG emission calculations provided in the monitoring report /1.6/ has been cross-checked with other sources;</li> </ul> <p>Calculations of project emissions, and project activity emissions and leakage, as appropriate, been carried out in accordance with the formulae and methods described in the monitoring plan and the applied methodology document.</p>

**E.8.3. Calculation of leakage GHG emissions**

<b>Means of verification</b>	The verification team has verified that the energy generating equipment in the project activity is not transferred from another activity and as per AMS I.D of - Version 08.0; if the energy generating equipment is transferred from another activity or if the existing equipment is transferred to another activity, leakage is to be considered. As there is neither any energy generating equipment transferred from another activity nor any existing energy generating equipment transferred to another activity. Same was confirmed during remote audit. Hence there is no requirement of calculating leakage emission.
<b>Findings</b>	No non-conformability was observed during assessment for this section. Therefore, no finding was raised.
<b>Conclusion</b>	<p>Applus+ Certification confirms that the requirement outlined under CDM-VVS for PA v03.0§§ 373 have been meet as:</p> <ul style="list-style-type: none"> <li>• A complete set of data for the monitoring period is available.</li> <li>• Information on the project GHG emission calculations provided in the monitoring report /1.6/ has been cross-checked with other sources;</li> </ul> <p>Calculations of project emissions, and project activity emissions and leakage, as appropriate, been carried out in accordance with the formulae and methods described in the monitoring plan and the applied methodology document.</p>

**E.8.4. Summary calculation of GHG emission reductions or net anthropogenic GHG removals by sinks**

<b>Means of verification</b>	<p>As elaborated above, the entire emission reductions from the project activity were based on baseline emissions. The calculations presented in this regard in the final monitoring report/1.6/ and corresponding ER calculation sheet/4.3/ were found appropriate and complying with the provisions prescribed in the monitoring plan of registered PDD/1.2/ and applied methodology.</p> <p>The verification team confirms that an audit trail that contains the evidence and records that validated the stated figures were checked and found acceptable.</p>
<b>Findings</b>	No non-conformability was observed during assessment for this section. Therefore, no finding was raised
<b>Conclusion</b>	<p>Applus+ Certification confirms that the requirement outlined under CDM-VVS for PA v03.0§§ 373 have been meet as:</p> <ul style="list-style-type: none"> <li>• A complete set of data for the monitoring period is available.</li> <li>• Information provided in the monitoring report /1.6/ has been cross-checked with other sources;</li> <li>• Calculations of emissions reductions been carried out in accordance with the formulae and methods described in the monitoring plan and the applied methodology document.</li> <li>• There are no assumptions in emission reductions calculation.</li> <li>• Appropriate emission factor of the power grid has been correctly applied.</li> </ul>

### E.8.5. Comparison of actual GHG emission reductions or net anthropogenic GHG removals by sinks with estimates in registered PDD

<b>Means of verification</b>	As verified and evident from the final Monitoring Report /1.2/ and corresponding ER sheet /4.3/, the actual emission reductions achieved by the project activity in the current monitoring period were found less than the estimated quantity in the approved revised PDD/1.2/ for the comparable period. This is largely due to low plant load factor achieved during the current monitoring period.			
	Annual CERs estimated in the revised approved PDD (tCO <sub>2</sub> e)	Estimated CERs for current monitoring period ,tCO <sub>2</sub> e	Actual CERs achieved in the current monitoring period, tCO <sub>2</sub> e	Difference
	25,190	179,228	79,790	-55.48%
<b>Findings</b>	No non-conformability was observed during assessment for this section. Therefore, no finding was raised.			
<b>Conclusion</b>	<p>Applus+ Certification confirms that the requirement outlined under CDM-PS for PA v03.0 §§ 268 have been meet as:</p> <ul style="list-style-type: none"> <li>A comparison of actual GHG emission reductions or net anthropogenic GHG removal of the project activity achieved during this monitoring period with the estimates in the PDD /1.8/ has been provided in the Monitoring Report /1.6/.</li> </ul> <p>The verification team confirms that the calculation of the comparison is correct</p>			

### E.8.6. Remarks on difference from estimated value in registered PDD

<b>Means of verification</b>	The verification team has assessed the cause of any variation in the actual GHG emission reductions achieved during the current monitoring period. There is decrease of around 55.47% in the actual emission reductions achieved during the current monitoring period from that stated in the CDM-PDD. This is largely due to low plant load factor achieved during the current monitoring period. It is to be noted that PLF is completely governed by the availability of water in Taraila Nallah which is beyond the control of PP.
<b>Findings</b>	No non-conformability was observed during assessment for this section. Therefore, no finding was raised.
<b>Conclusion</b>	<p>Applus+ Certification confirms that the requirement outlined under CDM-PS for PA v02.0 §§ 269 and CDM-VVS for PA v03.0 §§ 356 (d) have been meet as:</p> <ul style="list-style-type: none"> <li>The verified emission reductions are lesser than the estimated value in the monitoring period. The project participants have explained the cause of any decrease in the actual GHG emission reductions achieved during the current monitoring period, and including all information (i.e. data and/or parameters) that is different from that stated in the PDD /1.8/.</li> <li>The variation is deemed to be reasonable.</li> </ul>

### E.8.7. Actual GHG emission reductions or net anthropogenic GHG removals by sinks during the first commitment period and the period from 1 January 2013 onwards

<b>Means of verification</b>	Based on the assessment done in section E.8.1 to E.8.6, the verification team is able to certify that the emission reductions from the CDM project activity 0376 "Taraila Small Hydroelectric Project of Ginni Global Ltd." in India during the period 01/09/2010 to 10/10/2017 (including both days) is 79,790 tCO <sub>2</sub> e.
<b>Findings</b>	No non-conformability was observed during assessment for this section. Therefore, no finding was raised.
<b>Conclusion</b>	Applus+ Certification confirms that the requirement outlined under CDM-PS for PA v03.0 §§ 266 as the project participants has calculated GHG emission reductions.

### E.9. Assessment of reported sustainable development co-benefits

<b>Means of verification</b>	Not applicable
<b>Findings</b>	Not applicable

<b>Conclusion</b>	Not applicable
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**E.10. Global stakeholder consultation**

<b>Means of verification</b>	Not applicable
<b>Findings</b>	Not applicable
<b>Conclusion</b>	Not applicable

**SECTION F. Internal quality control**

>>As a final step of verification, the final documentation including the verification report has to undergo an internal quality control by the Technical Reviewer. Each report has to be finally approved either by the DOE's Technical Manager or the Deputy. In case one of these two persons is part of the assessment team, the approval can only be given by the person who is not a part of the assessment team. If the documents have been satisfactorily approved, the Request for Issuance is submitted to the CDM-EB along with the relevant documents.

Thus, a draft verification report prepared by verification team is reviewed by an independent technical review team (one or more members) to confirm whether all the internal procedures established and implemented by Applus+ Certification were duly complied with and such opinion/conclusion were reached in an objective manner that complies with the applicable CDM rules/requirements. The technical review team is collectively required to possess the technical expertise of all the technical area/sectoral scope the project activity relates to. All team members of technical review team are independent of the verification team.

During the technical review process, additional findings may be identified or the closed-out findings may be opened, which needs to be satisfactorily resolved before the request for issuance is submitted to UNFCCC. The independent technical reviewer may either approve the report as such or reject/return the same in such case providing the comments/findings/issues that needs to be resolved by the verification team. The decision taken by the Technical Reviewer is final and is authorized by the authorized approver of Applus+ Certification.

**SECTION G. Verification opinion**

>>Applus+ Certification has been contracted by Ginni Global Limited to perform the verification of the emission reductions reported for the CDM project "Taraila Small Hydroelectric Project of Ginni Global Ltd" in the period 01/09/2010- 10/10/2017(inclusive of both dates).

Applus+ Certification concludes that the CDM Project "Taraila Small Hydroelectric Project of Ginni Global Ltd", as described in the registered PDD/1.2/ and Monitoring Report /1.6/ (Version 03, 16/10/2021), meets all relevant requirements of the UNFCCC for CDM project activities including article 12 of the Kyoto Protocol, the modalities and procedures for CDM (Marrakesh Accords) and the subsequent decisions by the COP/MOP and CDM Executive Board. The verification is conducted in line with the (CDM-VVS for PA) Version 03.0 /2.1/ requirements. The Project is implemented according to selected monitoring methodology /2.3/ and the monitoring plan contained in the registered PDD /1.2/. The monitoring equipment was installed, calibrated and maintained in a proper manner. The monitoring system is in place and the Project is generating GHG emission reductions as a CDM project.

Applus+ Certification confirms that the project is implemented in accordance with the validated and registered PDD /1.2/. The monitoring system is in place and the emission reductions are calculated without material misstatements. Our opinion relates to the projects GHG emissions and the resulting GHG emission reductions reported and related to the valid and registered project baseline and monitoring and its associated documents. Based on the information seen and evaluated we confirm that the implementation of the project has resulted in 79,790 tCO<sub>2</sub>e emission reductions during the period 01/09/2010 to 10/10/2017 (inclusive of both dates). Applus+ Certification therefore issues the positive verification opinion expressed in the Certification statement in Section H.

**SECTION H. Certification statement**

>>Applus+ Certification has been engaged by Ginni Global Limited to perform the periodical verification of crediting period of the "Taraila Small Hydroelectric Project of Ginni Global Ltd"(UNFCCC Reference No.0376).

The management of Ginni Global Limited is responsible for the preparation of the GHG emissions data and the reported GHG emissions reductions on the basis set out within the project's Monitoring Plan in the registered PDD /1.2/ and the applied methodology AMS-I.D. Version: 08 /2.3/.

Our verification approach was based on the requirements as defined under the Kyoto Protocol, Marrakesh accord, as well as those defined by the CDM Executive Board. Our approach is risk-based, drawing on an understanding of the risks associated with reporting GHG emissions data and the controls in place to mitigate these. The verification can confirm that:

- the project is operated as planned and described in the project design document approved by the EB;
- the approved monitoring plan is as per the applied methodology;
- the monitoring in Monitoring Report is as per the registered PDD /1.2/ and the monitoring plan approved by the EB;
- the development and maintenance of records and reporting procedures are in accordance with the registered monitoring plan;
- the installed equipment being essential for generating emission reduction runs reliably and is calibrated appropriately;
- the monitoring system is in place and generates GHG emission reductions data;
- the GHG emission reductions are calculated without material misstatements.

In our opinion, the GHG emission reductions for 'Taraila Small Hydroelectric Project of Ginni Global Ltd' for the monitoring period 01/09/2010 -10/10/2017(inclusive of both dates)as reported in Monitoring Report, prepared on the basis of the project's Monitoring Plan are fairly stated.

Based on the information we have seen and evaluated, we confirm the following statement:

Reporting period: From 01/09/2010 to 10/10/2017

Verified emissions in the above reporting period:

Leakage emissions	00,000 tCO <sub>2</sub> equivalents
Project emissions	00,000 tCO <sub>2</sub> equivalents
Baseline emissions	79,790 tCO <sub>2</sub> equivalents
Emission reductions in this monitoring period (i.e. 01/09/2010 to 10/10/2017)	79,790 tCO <sub>2</sub> equivalents
Emission reductions achieved during the period up to 31 December 2012	5,245 tCO <sub>2</sub> equivalents
Emission reductions achieved during the period from 1 January 2013 onwards. (i.e. 01/01/2013 to 31/12/2020)	74,545 tCO <sub>2</sub> equivalents
Emission reductions achieved from 1 January 2021 onwards.	Nil

## Appendix 1. Abbreviations

Abbreviations	Full texts
AMS	Approved Methodology Small-scale
BM	Build Margin
CAR	Corrective Action Request
CDM	Clean Development Mechanism
CEA	Central Electricity Authority
CER	Certified Emission Reductions
CL	Clarification Request
CM	Combined Margin
CO <sub>2e</sub>	Carbon Dioxide equivalent
CoP/MoP/CMP	Conference of the Parties serving as the Meeting of the Parties to the Kyoto Protocol
DNA	Designated National Authority
DOE	Designated Operational Entity
EB	CDM Executive Board
EF	Emission Factor
ER	Emission Reductions
FAR	Forward Action Request
GHG	Greenhouse Gas(es)
HPSEB	Himachal Pradesh State Electricity Board
IPCC	Intergovernmental Panel on Climate Change
ISO	International Organisation for Standardisation
JMR	Joint Meter Reading
KWh	Kilowatt hour
MP	Monitoring Plan
MR	Monitoring Report
MW/MWh	Megawatt/ Megawatt hour
NCV	Net Calorific Value
OM	Operating Margin
PDD	Project Design Document
PLF	Plant Load Factor
PP	Project Participant
PPA	Power Purchase Agreements
PS	Project Standard
UNFCCC	United Nations Framework Convention on Climate Change
VVS	Validation and Verification Standard

## Appendix 2. Competence of team members and technical reviewers

According to the sectoral scope / technical area and experience in the sectoral or national business environment, Applus+ Certification has composed a project assessment team in accordance with the appointment rules in the internal Quality Management System of Applus+ Certification.

## CDM-VCR-FORM

The composition of audit team shall be approved by the Applus+ Certification ensuring that the required skills are covered by the team.

The four qualification levels for team members that are assigned by formal appointment rules are as presented below:

- Lead Auditor (LA).
- Auditor (A) / Auditor in Training (AiT).
- Technical Expert (TE).
- Technical Reviewer (TR).

The sectoral scope / technical area knowledge linked to the applied methodology/ies shall be covered by the assessment team.

Name	Qualification	Coverage of scope	Coverage of technical Area	Financial aspect	Host country Experience	Attendance to the On-Site Assessment
Vivek Kumar Ahirwar	Lead Auditor (LA)	Yes (1)	Yes (1.2)	N/A	Yes	Yes
Vivek Kumar Ahirwar	Technical Expert (TE)	Yes (1)	Yes (1.2)	N/A	Yes	Yes
Simon Shen	Technical Reviewer (TR)	Yes (1)	Yes (1.2)	N/A	N/A	N/A

The curriculum vitae of the DOE's team members are provided below:

**Vivek Kumar Ahirwar** is a BEE-Certified Energy Auditor by Govt of India with over 12 years of relevant experience in energy efficiency, energy audit and energy conservation in energy intensive industries, designated consumers and commercial buildings, implementation of energy conservation building codes, research, process and green building projects. He is a certified lead auditor for ISO 14001 EMS and 14064. He has experience under various categories of projects stating from renewable to waste to supercritical projects and WCD. He has successfully audited more than 400 GHG (CDM/VCS/GS) projects in different countries around the world.

He has done Master in Technology (Energy Management) from a premier institute, School of Energy & Environmental Studies, DAVV, Indore (M.P.), India and Bachelor of Engineering (Mechanical Engineering) from Govt. Engineering college, Rewa, RGPV, India.

**Simon Shen** (Master's Degree in Thermal Energy Engineering, Bachelor's Degree in Environmental Engineering) is an Auditor appointed by Applus+ Certification for the GHG project assessment, auditing and technical review.

He has more than 6 years of work experience in CDM/GS4GG/VCS project assessment and review with Applus+, apart from the years of experience working as GHG Auditor and ISO 9001/14001 in TUV SUD before he joined Applus+ for 3.5 years.

Mr. Simon Shen has extensive experience also as former Applus+ Shanghai CDM Technical Manager.

### Appendix 3. Documents reviewed or referenced

No.	Author	Title	References to the document	Provider
1.	<b>Basic Documents (Monitoring Report, Project Design Documents, Previous Verification Reports)</b>			
1.1	GGPL	Web hosted MR , version 01 “ Taraila Small Hydroelectric Project of Ginni Global Ltd.”	29/07/2021	PP
1.2	GGPL	Registered PDD,(registration date 04-06-2006)	-	PP
1.3	UNFCCC website	CDM Project activity view page “Taraila Small Hydroelectric Project of Ginni Global Ltd. ” <a href="https://cdm.unfccc.int/Projects/DB/TUEV-SUED1145360501.38/view">https://cdm.unfccc.int/Projects/DB/TUEV-SUED1145360501.38/view</a>	04/06/2006	PP
1.4	SGS	Validation report of “Taraila Small Hydroelectric Project of Ginni Global Ltd.”	24/10/2008	Other: UNFCCC
1.5	GGPL	MR, version 02 “Taraila Small Hydroelectric Project of Ginni Global Ltd. ”	15/09/2021	PP
1.6	GGPL	MR, version 03 “Taraila Small Hydroelectric Project of Ginni Global Ltd. ”	16/10/2021	PP
2.	<b>References and requirements at UNFCCC/IPCC/etc.</b>			
2.1	UNFCCC website	Clean Development Mechanism Validation and Verification Standard for Project Activity (CDM-VVS for PA), version 03.0 as per EB 111, Annex 2	Dated 09/09/2021	Other: UNFCCC
2.2	UNFCCC website	CDM Project Standard for Project Activity (CDM-PS for PA), version 03.0 as per EB 111, Annex 1	Dated 09/09/2021	Other: UNFCCC
2.3	UNFCCC website	AMS-I.D. (version 8.0.): “Grid connected renewable electricity generation”	Dated 02/03/2006	Other: UNFCCC
2.4	UNFCCC website	Guidance to Complete “Monitoring Report Form (CDM-MR-FORM), Version 09.0” as accordance with the Attachment “Instructions for filling out the monitoring report form”	Dated 08/10/2021	Other: UNFCCC
2.5	CDM EB	The Executive Board of the Clean Development Mechanism (CDM) agreed at its 110 <sup>th</sup> meeting, the Board agreed (in responses to Stakeholder Communication INQ-10737) to extend the COVID-19 Temporary Measures until 31/12/2021.	Date: 17–19 May and 25–27 May 2021	Others UNFCCC
2.6	UNFCCC website	CDM Project Cycle Procedure for Project Activity (CDM-PCP for PA), version 03.0 as per EB 111, Annex 10	Dated 09/09/2021	Other: UNFCCC
3.	<b>Project implementation information</b>			
3.1	HPSEB	Commissioning Certificate for the project activity by HPSEB for synchronisation to grid	10/10/2007	Other: HPSEB
3.2	GGPL	Power Purchase Agreements (PPA) for the project activity between GGPL and HPSEB	07/06/2004	PP
3.3	GGPL	Monthly Joint Meter Reports (JMRs) issued by GGPL verified by HPSEB	01/09/2010-10/10/2017	PP

3.4	GGPL	Power Supply bills for sold electricity to HPSEB raised	01/09/2010-10/10/2017	Other: HPSEB
3.5	GGPL	Plant Shut Down Details	01/09/2010-10/10/2017	PP
3.6	GGPL	Daily Generation Report Log Book	01/09/2010-10/10/2017	PP
3.7	GGPL	Staff Training Records	01/09/2010-10/10/2017	PP
3.8	GGPL	Name Plate Details of Turbine & Generator	-	PP
4.	<b>ER calculation and cross checking issue</b>			
4.1	GGPL	Emission reduction calculation sheet , Version 01	Dated 29/07/2021	PP
4.2	GGPL	Emission reduction calculation sheet , Version 02	Dated 15/09/2021	PP
4.3	GGPL	Emission reduction calculation sheet , Version 03 (Final)	Dated 16/10/2021	PP
5.	<b>Calibration issues</b>			
5.1	HPSEB	Calibration test certificates for Main and check energy meters	01/09/2010-10/10/2017	Other: HPSEB
5.2	HPSEB	Meter Replacement Records for Main and check energy meters	01/09/2010-10/10/2017	Other: HPSEB
6.	<b>Others</b>			
6.1	Applus+ Certification	Remote Assessment and Interviews	Dated 02/09/2021	-
6.2	Applus+ Certification	Plant Photographs and videos	Dated 02/09/2021	-
6.3	GGPL	ERPA signed	01/08/2020	PP

## Appendix 4. Clarification requests, corrective action requests and forward action requests

Table 1. Remaining FAR from validation and/or previous verifications

FAR ID	xx	Section no.	E.2	Date:DD/MM/YYYY
<b>Description of FAR</b>				
<b>Project participant response</b>				<b>Date:DD/MM/YYYY</b>
<b>Documentation provided by project participant</b>				
<b>DOE assessment</b>				<b>Date:DD/MM/YYYY</b>

Table 2. CL from this verification

CL ID	01	Section no.	D.2	Date :03/09/2021
<b>Description of CL</b>				

PP is requested to :	
1. Provide supporting documents to verify the measurement range of monitoring equipment for the table in Section D.2 of the MR version 01.	
2. Clarify how the highlighted date in Table "Energy Exported" of Section D.2 is applicable in the current monitoring period	
<b>Project participant response</b>	<b>Date :15/09/2021</b>
1. The Section has been corrected in the MR, although meter range can be verified from the Meter Photographs provided.	
2. The date is not applicable to the current monitoring period and the same has been removed.	
<b>Documentation provided by project participant</b>	
1. Monitoring report version 02	
2. Monitoring report version 02	
<b>DOE assessment</b>	<b>Date:23/09/2021</b>
The PP has submitted the revised MR , the verification team has review the updated MR and found that the section D.2 has been provided the information about Energy Meters and same was verified with Meter Details provided in photograph and also from calibration certificates, found to correct. Further, MR corrected in section D.2 , same was verified and found to be correct. Hence, CL#1 is closed.	

<b>CL ID</b>	02	<b>Section no.</b>	B.1	<b>Date</b> :03/09/2021
<b>Description of CL</b>				
PP is requested to clarify why description of the implemented project activity is not provided in the Section B.1 of the MR version 01.				
<b>Project participant response</b>				<b>Date</b> :15/09/2021
Description regarding the implementation status provided in the section B.1.				
<b>Documentation provided by project participant</b>				
Revised Monitoring report version 02				
<b>DOE assessment</b>				<b>Date:23/09/2021</b>
The PP has submitted the revised MR , the verification team has review the updated MR and found that the section B.1 has been provided the information about implementation status and same was verified and found to correct. Hence, CL#2 is closed.				

Table 3. CAR from this verification

<b>CAR ID</b>	01	<b>Section no.</b>	Title Page,MR	<b>Date</b> :03/09/2021
<b>Description of CAR</b>				
PP is requested to :				
1. Remove the row on the Title page of MR version 01 as per the guidelines mentioned in the MR template Version 08				
2. Use font as prescribed in the MR Template Version 08.0 throughout the MR				
<b>Project participant response</b>				<b>Date</b> :15/09/2021
1. The row on the Title Page has been made in accordance with the MR template Version 08.				
2. Font as prescribed in the MR Template Version 08.0 has been used throughout the MR				
<b>Documentation provided by project participant</b>				
1. Monitoring Report version 02				
2. Monitoring Report version 02				
<b>DOE assessment</b>				<b>Date: 23/09/2021</b>
The PP has submitted the revised MR , the verification team has review the updated MR and found that the MR is corrected and hence, CAR#1is closed.				

<b>CAR ID</b>	02	<b>Section no.</b>	A.1	<b>Date</b> :03/09/2021
<b>Description of CAR</b>				
PP is requested to add a working hyperlink for the 'Ministry of Environment and Forests' in Section A.1 of the MR				
<b>Project participant response</b>				<b>Date</b> :15/09/2021
Working and Updated hyperlink has been updated.				
<b>Documentation provided by project participant</b>				
Monitoring Report version 02				
<b>DOE assessment</b>				<b>Date:23/09/2021</b>

The PP has submitted the revised MR , the verification team has review the updated MR and found that the MR is corrected the hyperlinks and hence,CAR#2 is closed.
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<b>CAR ID</b>	03	<b>Section no.</b>	MR	<b>Date</b> :03/09/2021
<b>Description of CAR</b>				
PP is requested to clarify whether there is apportioning procedure involve in calculation of net electricity generation which is used for emission reduction, if so, please clarify how this is in-line with monitoring plan mentioned in the PDD.				
<b>Project participant response</b>				<b>Date</b> :15/09/2021
The Apportioning procedure has been clearly mentioned in the monitoring report and it is in line with the PDD as the monitoring point is substation based upon which the monthly bills are generated.				
<b>Documentation provided by project participant</b>				
Monitoring Report version 02 and revised ER sheet				
<b>DOE assessment</b>				<b>Date</b> :23/09/2021
The PP has submitted the revised MR , the verification team has review the updated MR and found that the MR is corrected as provided the Apportioning procedure in line with the registered PDD and hence,CAR#3 is closed.				

<b>CAR ID</b>	04	<b>Section no.</b>	ER Sheet	<b>Date</b> :03/09/2021
<b>Description of CAR</b>				
PP is requested to:				
1. Update the value in accordance with the JMR in Cell J7,J12,D49,F58,J61,F67,H67,J89,J90,J100 and D103				
2. Mention the correct date in accordance with the JMR in cell C92,C93				
3. In cell C105,mention the date according to the current monitoring period 01/09/2010-10/10/2017				
4. Fill the value in Cell D73 in accordance with the JMR				
5. Provide JMRs and Invoice for the highlighted time period from 01/01/2012-01/10/2013				
<b>Project participant response</b>				<b>Date</b> :15/09/2021
1. Values Updated and the Supporting JMR are attached				
2. The Correct Date updated in accordance with the JMR				
3. The Correct date mentioned according to the current monitoring period				
4. Correct value updated in accordance with JMR				
5. JMR and Invoice Provided for the highlighted area.				
<b>Documentation provided by project participant</b>				
1. Monitoring Report and ER Sheet				
2. ER-Sheet				
3. ER-Sheet				
4. JMR & ER- Sheet				
5. JMR, Invoice and ER-Sheet				
<b>DOE assessment</b>				<b>Date</b> :23/09/2021
The PP has submitted the revised MR and ER , the verification team has review the updated MR and ER sheet found that the MR & ER is corrected as per comments and hence,CAR#4 is closed				

Table 4. FAR from this verification

<b>FAR ID</b>	xx	<b>Section No.</b>		<b>Date</b> :DD/MM/YYYY
<b>Description of FAR</b>				
<b>Project participant response</b>				<b>Date</b> :DD/MM/YYYY

<b>Documentation provided by project participant</b>	
<b>DOE assessment</b>	<b>Date:</b> DD/MM/YYYY

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**Document information**

<i>Version</i>	<i>Date</i>	<i>Description</i>
04.0	6 April 2021	Revision to: <ul style="list-style-type: none"> <li>• Reflect the “Clarification: Regulatory requirements under temporary measures for post-2020 cases” (CDM-EB109-A01-CLAR).</li> </ul>
03.0	31 May 2019	Revision to: <ul style="list-style-type: none"> <li>• Ensure consistency with version 02.0 of the “CDM validation and verification standard for project activities” (CDM-EB93-A05-STAN);</li> <li>• Make structural and editorial improvements.</li> </ul>
02.1	11 January 2018	Editorial revision to correct the numbering of appendices in the instructions.
02.0	31 October 2017	Revision to align with the requirements of the “CDM validation and verification standard for project activities” (version 01.0).
01.0	23 March 2015	Initial publication.
Decision Class: Regulatory Document Type: Form Business Function: Issuance Keywords: project activities, verifying and certifying		