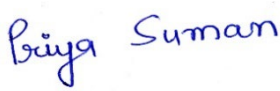


**Verification and certification report form for  
GS project activities  
(Version 04.0)**

**BASIC INFORMATION**

<b>Title and GS reference number of the project activity</b>	81MW Caparispisan Wind Energy Project GS 2691
<b>Scale of the project activity</b>	<input checked="" type="checkbox"/> Large-scale <input type="checkbox"/> Small-scale
<b>Version number of the verification and certification report</b>	02
<b>Completion date of the verification and certification report</b>	27/08/2024
<b>Monitoring period number and duration of this monitoring period</b>	5 <sup>th</sup> 27/07/2022 — 25/03/2024
<b>Version number of the monitoring report to which this report applies</b>	1.3
<b>Crediting period of the project activity corresponding to this monitoring period</b>	02 (17/07/2022 – 16/07/2029)
<b>Project participants</b>	North Luzon Renewable Energy Corp
<b>Host Party</b>	Republic of Philippines
<b>Applied methodologies and standardized baselines</b>	ACM0002, version 20.0.0
<b>Mandatory sectoral scopes</b>	01/1.2
<b>Conditional sectoral scopes, if applicable</b>	
<b>Estimated amount of GHG emission reductions or GHG removals for this monitoring duration in the registered PDD</b>	SDG 7 – 462,074 MWh SDG 8 – 10Jobs SDG 13 - 315,874 tCO <sub>2</sub>
<b>Certified amount of GHG emission reductions or GHG removals for this monitoring period</b>	SDG 7 – 431,361 MWh SDG 8 – 28 Jobs SDG 13 – 294,877 tCO <sub>2</sub>
<b>Name and UNFCCC reference number of the DOE</b>	Carbon Check (India) Private Limited E0052
<b>Name, position and signature of the approver of the verification and certification report</b>	 Priya Suman, Compliance officer

## **SECTION A. Executive summary**

>> Carbon Check (India) Private Ltd has performed 5<sup>th</sup> verification of the GS project activity “81MW Caparispisan Wind Energy Project”/GS2691. The verification team assigned by the VVB concludes that the GS project activity as described in the registered PDD v1.7, dated 05/08/2022 and monitoring report v1.3, dated 05/07/2024, meets all relevant requirements of the UNFCCC for CDM project activities including paragraph 62 of CDM M & P, the modalities and procedures for CDM (Marrakesh Accords) and the subsequent decisions by the COP/MOP and CDM Executive Board as well as GS4GG requirements.

### Verification methodology and process

The Verification team confirms the contractual relationship signed on 10/05/2024 between the VVB, Carbon Check (India) Private Ltd (hereafter CCIPL), and the client, North Luzon Renewable Energy Corp./03/ The team assigned to the verification meets the Carbon Check (India) Private Ltd internal procedures including the GS4GG requirements and ISO 14064 requirements for the team composition and competence. The verification team has conducted a thorough contract review as per ISO 14065 and Carbon Check procedures and requirements. The contract with the client and further contract reviewing process also confirm the level of assurance of the verification and objectives, scope, and criteria of the verification. The level of assurance for this verification is reasonable in line with the §9.6.2 of the GS Validation and verification standard v1.0 dated 06/03/2024 /B01-6/. The objective, scope and criteria are detailed below.

The verification has been performed as per the requirements described in the applicable GHG scheme requirements and constitutes the review and completion of the following steps:

- Conflict of interest review;
- Selection of verification team;
- Initial interaction with the Client;
- Development of the verification plan;
- Reviewing the registered PDD v1.7 dated 05/08/2022,/B04/ including the monitoring plan and the corresponding validation report;
- Desk review of the validation report, MR, and other relevant documents including documents related to the project activity in emission reductions
- Review of the applied monitoring methodology ACM0002 V20.0 /B02/;
- Review of any CMP and EB decisions, clarifications, and guidance;
- On-site assessment (22/05/2024)
- Resolution of CARs and CLs raised during verification
- Confirmation that any FARs raised during validation or previous validation have been addressed by the Project Participant.
- Follow-up interaction with the client and other project personnel for supplemental information and corrective action as necessary; and
- Issuance of Verification Report after internal technical review.

The project activity was correctly implemented according to the selected monitoring methodology /B02/ monitoring plan and the registered PDD. /B04/The monitoring equipment was installed, calibrated, and maintained in a proper manner, while collected monitoring data allowed for the verification of the amount of achieved GHG emission reductions. Through the review and on-site visit, the verification team confirms that the project has resulted in 294,877 tCO<sub>2</sub> emission reductions during the 5<sup>th</sup> monitoring period. Carbon Check (India) Private Limited (CCIPL) as a VVB is therefore pleased to issue a positive verification opinion expressed in the attached Certification statement.

## 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 VVB or outsourced entity)	Involvement in			
						Desk/document review	On-site inspection	Interviews	Verification findings
1.	Team Leader/Technical Expert	IR	Rajput	Jaya	CC IPL	X	X	X	X
2.	Team Member	IR	Choudhary	Aparna	CC IPL	X			X
3.	Trainee Assessor	IR	Bijani	Vishal	CC IPL	X	X	X	X

### 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	IR	C	Indumathi	CC IPL
2	Approver	IR	Suman	Priya	CC IPL

## 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.	Human Error: Recording and reporting of the information in the ER spreadsheet.	Medium	All the input data in the ER spreadsheet including the sales database, determination of parameters for efficiency testing including data calculation. This includes all the parameters to be monitored ex-post as per the.	The risk was mitigated by training the personnel involved in the data capture, and calculation and by following the monitoring responsibilities. The training records were reviewed. The verification team, based on the above, confirms that the risk is appropriately mitigated.
2.	Information System: Use of spreadsheets without adequate controls related to data changes/updates, version tracking, traceability, security	Medium	The data is recorded in spreadsheets based on the raw data collected during the field visits. The access to the spreadsheets for calculation of ERs, monitoring and sales database, and Stove	The identified risk was mitigated by managing access to the records. It was confirmed by the PP that the raw data is collected by the field personnel and then transmitted and stored electronically to the PP's office. The organogram of the

			efficiency testing records is controlled.	organization for the data collection and record-keeping was reviewed and found satisfactory. The data quality control is maintained by the PP.
3.	Accuracy of the measuring equipment	Low	Check the calibration records for the measurement equipment used for the efficiency test.	The risk due to the accuracy of the measuring equipment was ensured by planning to check the calibration certificates of the measuring equipment used for stove efficiency.
4.	Competence of personnel involved in conducting standardized tests.	Low	Interview of the personnel involved and check the training records/accreditation certificates (applicable in case of institutions) involved in conducting such tests.	The risk was mitigated by reviewing the training records of the personnel involved in conducting such tests and by following the monitoring responsibilities. For institutions involved in conducting such tests, their accreditation certificates were checked to establish their competence for conducting such tests. The training records and certificates were reviewed which were also confirmed during the verification.

Based on the above information, a risk analysis is carried out in the following activities:

1. Monitoring system including the data input procedure (including relevant personnel and applicable template forms used).
2. ER sheet (application of data)
3. Data flow
4. Data control procedures

The risks identified can be mitigated through cross check with all sets of documents. The verification team performed the following checks to mitigate the effects of the above-identified sources of error:

Accuracy of the measuring equipment: The risk due to inaccuracy in measurements was mitigated by reviewing the calibration certificates of all the project equipment.

Based on the assessment carried out, CCIPL confirms with a reasonable level of assurance that the claimed emission reductions are free from material errors, omissions, or misstatements

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

>> The Project is a large-scale GS4GG project activity achieving total emission reductions of less than 300,000 tons of CO<sub>2</sub>e per year; as such, a 2 per cent materiality threshold is applied /B03/. For the respective monitoring period, 176,733 tCO<sub>2</sub>e of annual emission reduction has been reported. Accordingly, the materiality threshold is ≈3,534 tons of CO<sub>2</sub>e. The materiality thresholds have been calculated in accordance with § 326 (c) of CDM VVS for project activities, version 03.0 /B03/.

In line with Guidelines for Application of materiality in verifications, /B06/ a reasonable level of assurance is defined for the verification of the project by complete verification of all the monitoring records (measurement records, invoices and calibration certificates) was done by the verification team and compared with the values indicated in the emission reduction spreadsheet./02/ Carbon Check (India) Private Limited (CC IPL) confirms with a reasonable level of assurance in line with §9.6.2 of GS Validation and Verification Standard v1.0 dated 06/03/2023 /B01-6/ that the claimed emission reductions or removals are free from material errors, omissions or misstatements.

Some mistakes were identified and subsequently, findings were raised. These findings are detailed in this report, and they were successfully closed. Therefore, related identified mistakes as listed in the findings in

this report have been determined to be immaterial. Thus, it is confirmed that there are no material errors, omissions or misstatements and a reasonable level of assurance is established.

## **SECTION D. Means of verification**

### **D.1. Desk/document review**

>> The verification was performed primarily based on the review of the Monitoring report **/01/** and the supporting documentation. This process included a review of data and information presented to verify their completeness and a review of the monitoring plan and monitoring methodology. Documents reviewed or referenced during the verification are listed in Appendix 3 below.

### **D.2. On-site inspection**

The onsite visit was performed by the verification team of CCIPL on 22/05/2024 and the following activities were performed.

1. An assessment of the implementation and operation of the project activity as per the registered PDD. **/B04/**
2. A review of information flows for generating, aggregating and reporting the monitoring parameters.
3. Interviews with relevant personnel to determine whether the operational and data collection procedures are implemented in accordance with the monitoring plan in the PDD. **/B04/**
4. A cross check between information provided in the monitoring report and data from other sources such as plant logbooks, inventories, purchase records or similar data sources.
5. A check of the monitoring equipment including calibration performance and observations of monitoring practices against the requirements of the PDD and the selected methodology and corresponding tool(s), where applicable.
6. A review of calculations and assumptions made in determining the GHG data and emission reductions.
7. 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.
8. Verification of the monitoring of sustainable development indicators.

### D.3. Interviews

No.	Interviewee			Date	Subject	Team member
	Last name	First name	Affiliation			
/01/	Tan	Ronald	ACEN (Senior Manager)	22/05/2024	MR preparation, GS requirements, Emission reduction calculations, methodology applicability, start date justification, Project Design, ownership details, carbon credit ownership arrangements, monitoring and reporting arrangements, QA/QC procedures, baseline assessment, Project technology etc.	Jaya Rajput, Vishal Bijani
/02/	Amper	Victoria	ACEN (Associate)	22/05/2024	MR preparation, GS requirements, Emission reduction calculations, methodology applicability, start date justification, Project Design, ownership details, carbon credit ownership arrangements, monitoring and reporting arrangements, QA/QC procedures, baseline assessment, Project technology etc.	Jaya Rajput, Vishal Bijani
/03/	P	Thirumalava n	C&W Services	22/05/2024	MR preparation, GS requirements, Emission reduction calculations, methodology applicability, start date justification, Project Design, ownership details, carbon credit ownership	Jaya Rajput, Vishal Bijani

					arrangements, monitoring and reporting arrangements, QA/QC procedures, baseline assessment, Project technology etc.	
/04/	Garcia	John	ACEN (Planning Engineer)	22/05/2024	Plant operations, Meters and calibration	Jaya Rajput, Vishal Bijani
/05/	Pablo	Jan	ACEN (Substation Engineer)	22/05/2024	Plant operations, Meters and calibration	Jaya Rajput, Vishal Bijani
/06/		Raymond	ACEN (Government Relation Manager)	22/05/2024	Grievance mechanism	Jaya Rajput, Vishal Bijani
/07/	Macusi	Miyosi	ACEN (Sustainability officer)	22/05/2024	Grievance mechanism	Jaya Rajput, Vishal Bijani
/08/	Baspar	Jay	ACEN (CSR Officer)	22/05/2024	Grievance mechanism	Jaya Rajput, Vishal Bijani
/09/		Haezel	ACEN (HR)	22/05/2024	SDG 8	Jaya Rajput, Vishal Bijani
/10/	Pedrunana	Archie	LSC	22/05/2024	Grievances and Local stakeholder consultation	Jaya Rajput, Vishal Bijani
/11/	Domingo	Joyannie	LSC	22/05/2024	Grievances and Local stakeholder consultation	Jaya Rajput, Vishal Bijani
/12/	Faylogna	Eva	LSC	22/05/2024	Grievances and Local stakeholder consultation	Jaya Rajput, Vishal Bijani
/13/	Faylogna	Nelson	LSC	22/05/2024	Grievances and Local stakeholder consultation	Jaya Rajput, Vishal Bijani

Through the above-mentioned activities the verification team confirmed the following Gold Standard project aspects in relation to the project activity:

- The implementation and operation of the project activity is as described in the monitoring plan in the registered PDD/**B04/**
- The operational and data collection procedures are implemented as per the monitoring plan in the PDD/**B04/**
- The information flow for generating, grouping and reporting of the monitored parameters

Procedures to avoid double counting are in place.

#### D.4. Sampling approach

>> This is a greenfield project activity. Thus, sampling is not required.

## 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		CAR 01, CAR 02	
Compliance of the project implementation and operation with the registered PDD	CL01, CL03		
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	CL02	CAR 03	
Compliance with the calibration frequency requirements for measuring instruments	CL04		
Assessment of data and calculation of emission reductions or net removals		CAR 04	
Assessment of reported sustainable development co-benefits			
Global stakeholder consultation			
Others (SUPPORTING DOCUMENTS)		CAR 05	
<b>Total</b>	04	05	

## SECTION E. Verification findings

### E.1. Compliance of the monitoring report with the monitoring report form

<b>Means of verification</b>	Desk Review
<b>Findings</b>	CAR 01 was raised and closed satisfactorily
<b>Conclusion</b>	PP has used the GS4GG template Monitoring Report, version 1.1./B01-02/ The verification team confirms that the latest available version of the monitoring report template has been used by the PP and the MR is in compliance with the monitoring report form and related template guide Monitoring Report, version 1.1. /B01-02/

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

>>NA

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

<b>Means of verification</b>	Desk Review and on site assessment
<b>Findings</b>	CAR 03 was raised and closed satisfactorily
<b>Conclusion</b>	CC IPL by means of on-site interview and document provided by the PP confirms that all physical features (technology, project equipment, and monitoring equipment) of the respective project activity are in place and that the coordinating/managing entity has operated the project activity as per the registered PDD. The verification team confirms the actual operation of the Project Activity implementation and operation in compliance with the PDD in order to confirm the compliance of GS4GG requirements./B01/

### 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>

>>

<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).



#### E.4.2. Corrections

>>The crediting period mentioned in the renewed PDD (Version 1.7) is not extended in line with “Principle & Requirement”, version 1.2, paragraph 5.1.49 states: Transition projects shall maintain their existing crediting cycle and maximum crediting periods upon transition to Gold Standard for Global Goals following GHG Emissions Reductions & Sequestration Product Requirements.

“GHG Emissions Reductions & Sequestration Product Requirements”, Version 2.2, Annex B, paragraph 6.1.1 states:

Transition project & CPA seeking issuance of GSVERs or conversion of issued GSCERs to GSVERs shall issue GSVERs for a maximum crediting period allowed as per relevant GS4GG activity requirements or crediting period with the other standard, whichever ends first. Under no circumstance, can the crediting period registered with other standard be extended.

Hence, based on the above requirements, the CP2 is changed from 5 years (17/07/2022 – 16/07/2027) to 7 years (17/07/2022 – 16/07/2029). This change doesn't exceed the total CP of 15 years as per 6.3.1 of “GHG Emissions Reductions & Sequestration Product Requirements”./B01-06/ The revised CP2 included under section A.4 of this Monitoring Report.

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

>>Not Applicable

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

>> Not Applicable

#### 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

>> Not Applicable

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

>> Not Applicable

#### 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>	During this monitoring period, the validated and registered monitoring plan was found to be in accordance with the applied methodology/B02/.
<b>Findings</b>	CAR 03 was raised and closed satisfactorily.
<b>Conclusion</b>	All monitoring parameters and monitoring procedures follow the methodology requirements and registered monitoring plan.

#### 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 ex-ante parameters are considered in the calculation of the emission reductions:				
		Data/Parameter	Unit	Value Applied	Assessment
	1.	EF <sub>grid,OM,y</sub>	tCO <sub>2</sub> /	0.7122	Operating margin is calculated

			MWh		as per tool to calculate the emission factor version 07 and data for the same is taken conservatively. The value is fixed for the entire crediting period.
	2.	EF <sub>grid,BM,y</sub>	tCO <sub>2</sub> /MWh	0.5979	Build margin is calculated as per tool to calculate the emission factor version 07 and data for the same is taken conservatively. The value is fixed for the entire crediting period.
	3.	EF <sub>grid,CM,y</sub>	tCO <sub>2</sub> /MWh	0.6836	Combined margin is calculated as per tool to calculate the emission factor version 07 and data for the same is taken conservatively. The value is fixed for the entire crediting period.
<b>Findings</b>	-				
<b>Conclusion</b>	CC IPL is able to confirm that the Data and parameters fixed ex ante have been implemented in full compliance with the registered monitoring plan.				

### E.6.2. Data and parameters monitored

<b>Means of verification</b>	Desk review, onsite inspection				
<b>Findings</b>					
<b>Conclusion</b>	<b>Data/Parameter</b>	<b>Unit</b>	<b>Value Applied</b>		<b>Assessment</b>
	EF <sub>PJ,y</sub> (EG <sub>facility,y</sub> )	MWh /year	<b>Monitoring Period</b>	<b>Net Supply (MWh)</b>	The verification team has checked the monthly generation reports/06/ from the respective wind power plant concerned during the monitoring period (27/07/2022 – 25/03/2024). These monthly generation records have been cross-checked with the Electricity Transition Notes (ETNs) given by the grid company i.e NGCP <sup>2</sup> /06/. Moreover, PP maintains reports of power generation from the SCADA system and the data is continuously monitored in the plant. Thus, after reviewing
27/07/2022 – 31/12/2022			112,621		
01/01/2023 – 31/12/2023			258,533		
01/01/2024 – 25/03/2024			60,206		
<b>Total</b>			<b>431,361</b>		

<sup>2</sup> The monthly invoices raised by the grid authority NGCP, dates from 25<sup>th</sup> of every month to 25<sup>th</sup> of next month. However, for the ease of ER calculations, PP has provided energy generation in vintage form. Verification team has cross checked the values of energy generation with invoices and energy generation calculations sheet. Through this assessment, verification team confirms that the total energy generation value calculated by PP in vintage is equal to the energy generation given in invoices. PP has not overstated the energy generation values.

				the submitted supporting documents/02/,/06/ and on-site visit assessment. The VVB confirms that the quantity of electricity generated and supplied by the project power plant to the grid in the year y the PP has no discrepancies.										
	SDG 8.5.1 Employees Monthly Wage	Philippines Peso per employee	--	The VVB team during the onsite inspection randomly interviewed employees of both gender as well as compared the salary structure of employees of similar rank. Through on-site interviews and cross checking of pay slip records, /07/ verification team can confirm that PP is giving equal Opportunity and not discriminating based on gender.										
	SDG 13.3.2 GHG Emission Reduction per year  (ERy - Annual emission reduction )	tCO2 /year	<table border="1"> <thead> <tr> <th>Monitoring Period</th> <th>VERs (tCO2e)</th> </tr> </thead> <tbody> <tr> <td>27/07/2022 – 31/12/2022</td> <td>76,988</td> </tr> <tr> <td>01/01/2023 – 31/12/2023</td> <td>176,733</td> </tr> <tr> <td>01/01/2024 – 25/03/2024</td> <td>41,157</td> </tr> <tr> <td>Total</td> <td>294,877</td> </tr> </tbody> </table>	Monitoring Period	VERs (tCO2e)	27/07/2022 – 31/12/2022	76,988	01/01/2023 – 31/12/2023	176,733	01/01/2024 – 25/03/2024	41,157	Total	294,877	The VVB team has assessed ERs calculation given in the ER sheet by the PP. PP has mentioned correct values of energy generation and EF, thus, VVB can conclude ERs for the given verification period have no discrepancy.
Monitoring Period	VERs (tCO2e)													
27/07/2022 – 31/12/2022	76,988													
01/01/2023 – 31/12/2023	176,733													
01/01/2024 – 25/03/2024	41,157													
Total	294,877													

### E.6.3. Implementation of sampling plan

Means of verification	--
Findings	--
Conclusion	The project activity is a greenfield project activity, thus no sampling is required.

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

Means of verification	Desk review, On site inspection																			
Findings																				
Conclusion	<table border="1"> <thead> <tr> <th>Serial no</th> <th>Accuracy</th> <th>Make</th> <th>Calibration date</th> <th>Valid till</th> </tr> </thead> <tbody> <tr> <td colspan="5" style="text-align: center;"><b>Main Meter</b></td> </tr> <tr> <td>194703145</td> <td>0.2</td> <td>AMETEK JEMSTAR II</td> <td>19/05/2022</td> <td>18/05/2023</td> </tr> </tbody> </table>					Serial no	Accuracy	Make	Calibration date	Valid till	<b>Main Meter</b>					194703145	0.2	AMETEK JEMSTAR II	19/05/2022	18/05/2023
Serial no	Accuracy	Make	Calibration date	Valid till																
<b>Main Meter</b>																				
194703145	0.2	AMETEK JEMSTAR II	19/05/2022	18/05/2023																

	194703145	0.2	AMETEK JEMSTAR II	17/05/2023	16/05/2024
	158774741	0.2	LANDIS + GYR	16/11/2023 15/11/2023	15/11/2024 14/11/2024
	158774742		MAXSYS ELITE		
<b>Backup/Alternate Meters</b>					
	134921647	0.2	AMETEK JEMSTAR II	19/05/2022	18/05/2023
	0268211020	0.2	EIG Shark 270	17/05/2023	16/05/2024
	134921598	0.2	AMETEK JEMSTAR II	16/11/2023 15/11/2023	15/11/2024 14/11/2024
	163734085				

The accuracy class of these meters is 0.2 S as per requirements of national standards and regulations set by the Philippine Wholesale Electricity Spot Market (WESM)./11/

On 18/02/2024, NGCP installed new meters (158774741 & 158774742; main meters) and 0268211020 (backup meter) at Caparispisan’s substation. Hence, revenue meters previously installed at Laoag station will no longer be revenue meters.<sup>3</sup>

These meters have been serving as revenue meters from 18/02/2024.

The change of meter location is entirely a decision by NGCP, as they only own the meters entirely. There has been no change in meter class, thus no materialistic change has been observed.

CC IPL is able to confirm that the meters were duly calibrated during the on site inspection and by desk review of calibration certificates /04/ and have been implemented in full compliance with the registered monitoring plan in the GS registered PDD /B04/.

**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**

<b>Means of verification</b>	<p>Baseline emissions are estimated as per equation 11 of ACM0002 version 20 as follows:</p> $BE_y = EG_{PJ,y} \times EF_{grid,CM,y}$ <p><math>BE_y</math> = Baseline emissions in year y (tCO<sub>2</sub>/yr)  <math>EG_{PJ,y}</math> = 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)  <math>EF_{grid,CM,y}</math> = Combined margin CO<sub>2</sub> emission factor for grid-connected power generation in year y calculated using the latest version of “TOOL07: Tool to calculate the emission factor for an electricity system” (tCO<sub>2</sub>/MWh)</p> <p>Therefore, the baseline emissions for the monitoring period are as follows:</p>
------------------------------	---

<sup>3</sup> The change in the meter’s location was performed by NGCP, who owns the meters. The change in meter location is a decision of NGCP only and the plant owner or PP has no control over it. The verification team has confirmed this through the Metering Installation Registration Forms/04/.

	Parameter	Unit	Period		
			27/02/2022 – 31/12/2022	01/01/2023 – 31/12/2023	01/01/2023 – 31/12/2023
			$EG_{PJ,y}$	MWh	112,621
$EF_{grid,CM,y}$	tCO <sub>2</sub> /MWh	0.6836			
$BE_y$	tCO <sub>2</sub>	76,988	176,733	41,157	
<b>Total</b>	<b>294,877 tCO<sub>2</sub></b>				
<b>Findings</b>	NA				
<b>Conclusion</b>	CC IPL confirms that baseline emissions have been appropriately calculated and are consistent with on-site assessment, the applied methodology and registered PDD./B04/				

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

<b>Means of verification</b>	The calculation algorithm in the methodology directly calculates emission reductions hence this is not applicable /02/.
<b>Findings</b>	NA
<b>Conclusion</b>	CC IPL confirms that project emissions have been appropriately calculated and are consistent with on-site assessment, the applied methodology /B02/ and registered PDD/B04/.

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

<b>Means of verification</b>	As per paragraph 56 of the applied methodology/B02/, no leakage emissions are considered.
<b>Findings</b>	NA
<b>Conclusion</b>	CC IPL confirms that no leakage emissions are accounted in the estimation of emission reduction as per the applied methodology.

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

<b>Means of verification</b>	<p>Emission Reductions:  The emission reductions in this monitoring period are:  <math>ER_y = BE_y - PE_y</math>  Where,  <math>ER_y</math> is the total emission reductions of the project activity during the year y in tCO<sub>2e</sub>.  <math>BE_y</math> is the baseline emissions for the project activity during the year y in tCO<sub>2e</sub>;  <math>PE_y</math> is the emissions for the project activity during the year y in tCO<sub>2e</sub>;</p> <p>As explained in section E.8.1 above, the resulted Baseline emissions (<math>BE_y</math>) for the monitoring period is 294,877 tCO<sub>2</sub>. Similarly, as explained in section E.8.2 and section E.8.3 project emission is already accounted while calculating baseline emissions and leakage emissions are accounted as 0 with baseline emissions and net ER to be 294,877 tCO<sub>2e</sub>.</p>
<b>Findings</b>	CAR 04 was raised and has been closed satisfactorily.
<b>Conclusion</b>	<p>Emission Reductions:  The emission reductions in this monitoring period are:  <math>ER_y = BE_y - PE_y</math>  Where,  <math>ER_y</math> is the total emission reductions of the project activity during the year y in tCO<sub>2e</sub>.  <math>BE_y</math> is the baseline emissions for the project activity during the year y in tCO<sub>2e</sub>;  <math>PE_y</math> is the emissions for the project activity during the year y in tCO<sub>2e</sub>;</p> <p>As explained in section E.8.1 above, the resulted Baseline emissions (<math>BE_y</math>) for the monitoring period is 315,874 tCO<sub>2</sub>. Similarly, as explained in section E.8.2 and</p>

	section E.8.3 project emission is already accounted while calculating baseline emissions and leakage emissions are accounted as 0 with baseline emissions and net ER to be 873,597 tCO <sub>2</sub> e.
--	--

**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>	The emission reductions from the project for the monitoring period as reported in the monitoring report revision 03 of 11/07/2023 /01/are equivalent to 294,877 tCO <sub>2</sub> e as against the estimated 315,874 tCO <sub>2</sub> e. The actual emission reduction is ≈6.64% less than the estimated, which is under sensitivity level.
<b>Findings</b>	N/A
<b>Conclusion</b>	The emission reduction calculations provided in the spreadsheet /02/ have been verified to be correct and in line with the registered PDD /B04/.

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

<b>Means of verification</b>	The actual emission reductions are less than estimated emission reductions during the monitoring period.
<b>Findings</b>	N/A
<b>Conclusion</b>	N/A

**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>	GHG emission reductions or net GHG removals by sinks reported up to 31 December 2012		GHG emission reductions or net GHG removals by sinks reported from 1 January 2013 onwards
	NA		294,877 tCO <sub>2</sub> e
	Year-wise break-up of emission reductions:		
	Year	Emission Reductions (tCO <sub>2</sub> e)	
	27/07/2022 – 31/12/2022	76,988	
	01/01/2023 – 31/12/2023	176,733	
	01/01/2024 – 25/03/2024	41,157	
<b>Findings</b>	--		
<b>Conclusion</b>	The emission reduction calculations provided in the spreadsheet /02/ have been verified to be correct and in line with the registered PDD /B04/, also the values are consistently reported in the MR for this monitoring period./01/		

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

<b>Means of verification</b>	<b>SDG 8.5.1 – Average hourly earnings of female and male employees, by occupation, age and persons with disabilities</b>		
	Data Variable	Source of Data	Reported value for the project period
	Employees' monthly wages	Job contracts (or) Pay slip (or) Payroll records	--
	<b>Assessment</b>		
	The VVB team has assessed job contracts and through on site inspection for the respective monitoring period confirms that the PP is not discriminating in wages with respect to gender and disabilities.		
	<b>Principle 3 – Community Health, Safety and Working Conditions</b>		
	Data Variable	Source of Data	Reported value for the project period
	No of trainings	Training Records	43
	<b>Assessment</b>		

	Through the on-site interviews with the employees and reviewing the training records/08/, the verification team can confirm that the PP is providing training to the staff.
<b>Findings</b>	CAR 02 was raised and has been closed successfully.
<b>Conclusion</b>	Through job contracts, training records on site inspections verification team confirms that values are consistently reported.  <b>Continuous grievance mechanism:</b> As verified during on-site audit, no grievance was recorded for the respective monitoring period. PP do have an effective maintenance/service mechanism in place to resolve any issue raised locals. Project has a dedicated SMD officer, for continuous communication with locals. Verification team has interviewed both SMD officer and locals and can confirm, that indeed project activity has an effective channel of communication.  Moreover, plant also manages a log book, that is present at the guard house. Verification team cross checked the log book and can confirm no comments from locals were received. This was evident from interview with locals as well.

#### E.10. Global stakeholder consultation

<b>Means of verification</b>	NA
<b>Findings</b>	NA
<b>Conclusion</b>	NA

#### SECTION F. Internal quality control

>> The final verification report passed a technical review before being submitted to the client for submission to Sustain Cert. A technical reviewer qualified in accordance with CCIPL's qualification scheme for GS validation and verification performed the technical review.

#### SECTION G. Verification opinion

>> Carbon Check (India) Private Ltd. (CC IPL) has performed the 5<sup>th</sup> periodic verification of the GS Project Activity "81MW Caparispisan Wind Energy Project" in India having GS reference number GS 2691. The verification team assigned by the VVB concludes that the project activity as described in the registered PDD (version 1.7; dated 05/08/2022) /B04/ and the monitoring report (version 1.3 dated 05/07/2024) /01/, meets all relevant GS4GG requirements for project activity /B01/. The verification has been conducted in line with the GS4GG requirements of VVS for project activities (version 03.0) /B01-6/.

Verification methodology and process:

The verification team confirms the contractual relationship signed on 16/05/2023 between the VVB, Carbon Check (India) Private Ltd. and Project Participant – North Luzon Renewable Energy Corp./xx/. The team assigned to the verification meets the CCIPL's internal procedures including the UNFCCC requirements for the team composition and competence. The verification team has conducted thorough review as per GS4GG, UNFCCC and CCIPL's procedures and requirements. The verification has been performed as per the requirements described in the GS4GG requirements /B01/ and constitutes the review and completion of the following steps:

- Reviewing the registered PDD (version 1.7; dated 05/08/2022) /B04/;
- Receipt of the MR (version 1 dated 29/04/2024 /01/;
- Desk review of the MR /01/ and other relevant documents;
- Review of the applied monitoring methodology (ACM0002, version 20) /B02/;
- On-site assessment (22/05/2024);
- Resolution of CARs and CLs raised during verification;
- Issuance of Verification Report

The project activity was correctly implemented according to the selected monitoring methodology and registered PDD /B04/. Through document review and on-site visit assessment, the verification team confirms that the project activity has resulted in 294,877 tCO<sub>2</sub>e emission reductions during this 5th monitoring period of the 2nd crediting period (17/07/2022 – 16/07/2029).

The break-up of emission reduction as verified during the course of verification are as below:

Vintage	Emission Reductions (tCO <sub>2</sub> e) or GS VERs
27/07/2022 – 31/12/2021	76,988
01/01/2022 – 31/12/2022	176,733
01/01/2023 – 28/02/2023	41,157

CC IPL therefore pleased to issue a positive verification opinion expressed in the attached Certification statement.

## SECTION H. Certification statement

>> It is CCIPL's opinion that the GHG emission reductions stated in the 5<sup>th</sup> Monitoring period's monitoring report, version 1.3 dated 05/07/2024 for project activity, /01/ "81MW Caparispisan Wind Energy Project" for period 27/07/2022 to 25/03/2023 (Inclusive of both the dates) are fairly stated. The GHG emission reductions were calculated correctly based on the approved monitoring methodology, ACM0002, version 22./B02/ Hence, CCIPL able to certify that the emission reductions from the project during the monitoring period 27/07/2022 to 25/03/2024 (Inclusive of both the dates) amount to 294,877 tCO<sub>2</sub>e.



## Appendix 1. Abbreviations

BE	Baseline emission
CAR	Corrective Action Request
CC IPL	Carbon Check (India) Private Limited
CDM	Clean Development Mechanism
CMP	Conference of Parties
CL	Clarification Request
COI	Certificate Of Issuance
EB	CDM Executive Board
ER	Emission Reduction
FAR	Forward Action Request
GHG	Green House Gases
GS	Gold Standard
IPCC	Intergovernmental Panel on Climate Change
ISO	International Organization of Standardization
LE	Leakage Emission
LoE	Letter of Engagement
MR	Monitoring Report
MW	Mega Watt
OSV	On Site Visit
PDD	Project Design Document
PE	Project Emission
QC/QA	Quality control/Quality assurance
SDG	Sustainable Development Goals
TA	Technical Area
tCO <sub>2</sub>	Tonnes Carbon Dioxide
TR	Technical Reviewer
UNFCCC	United Nations Framework Convention on Climate Change
VVB	Validation and Verification Body
VVS	Validation and Verification Standard

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



**Carbon**  
CHECK

**Carbon Check (India) Private Limited**

*Certificate of Competency*

**Ms. Jaya Rajput**

has been qualified as per CCIPL's internal qualification procedures in accordance with the requirements of CDM AS (V7.0), ISO/IEC14065:2020, ISO/IEC 17029:2019 and other applicable GHG programs:

*for the following functions and requirements:*

<input checked="" type="checkbox"/> Validator	<input checked="" type="checkbox"/> Verifier	<input checked="" type="checkbox"/> Team Leader	<input checked="" type="checkbox"/> Technical Expert
<input type="checkbox"/> Technical Reviewer	<input type="checkbox"/> Health Expert	<input type="checkbox"/> Gender Expert	<input type="checkbox"/> Plastic Waste Expert
<input type="checkbox"/> CCB Expert	<input type="checkbox"/> Legal Expert	<input type="checkbox"/> Financial Expert	<input type="checkbox"/> Environmental, Health and Safety financial matters
<input type="checkbox"/> SDG+	<input type="checkbox"/> Social no-harm(S+)	<input type="checkbox"/> Environment no-harm(E+)	
<input checked="" type="checkbox"/> Local Expert for India			

*in the following Technical Areas:*

<input type="checkbox"/> TA 1.1	<input checked="" type="checkbox"/> TA 1.2	<input type="checkbox"/> TA 2.1	<input checked="" type="checkbox"/> TA 3.1	<input type="checkbox"/> TA 4.1
<input type="checkbox"/> TA 4. n	<input type="checkbox"/> TA 5.1	<input type="checkbox"/> TA 5.2	<input type="checkbox"/> TA 7.1	<input type="checkbox"/> TA 8.1
<input type="checkbox"/> TA 9.1	<input type="checkbox"/> TA 9.2	<input type="checkbox"/> TA 10.1	<input checked="" type="checkbox"/> TA 13.1	<input checked="" type="checkbox"/> TA 13.2
<input type="checkbox"/> TA 14.1	<input type="checkbox"/> TA 15.1	<input type="checkbox"/> TA 16.1		

<p><b>Issue Date</b> 17<sup>th</sup> July 2024</p> <p><i>Priya Suman</i></p> <hr/> <p><b>Ms. Priya Suman</b> Compliance Officer</p>	<p><b>Expiry Date</b> 31<sup>st</sup> December 2024</p> <p><i>Sanjay Agarwalla</i></p> <hr/> <p><b>Mr. Sanjay Kumar Agarwalla</b> Technical Director</p>
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**Revision History of the document:**

Revision date	Summary of changes
Dec 2023 <sup>1</sup>	Change in the template due to revision in TA and function
July 2024	Amendment in TA – 13.1 and 13.2 added

CCIPL\_FM 7.9 Certificate of Competency\_V4.0\_112023  
<sup>1</sup> Please refer to previous version of FM 7.9 for the revision history



## Carbon Check (India) Private Limited

### Certificate of Competency

**Ms. Aparna Choudhary**

has been qualified as per CCIPL's internal qualification procedures in accordance with the requirements of CDM AS (V7.0), ISO/IEC14065:2020, ISO/IEC 17029:2019 and other applicable GHG programs:

for the following functions and requirements:

- |  |  |   |   |
|--|--|---|---|
| <input checked="" type="checkbox"/> Validator              | <input checked="" type="checkbox"/> Verifier           | <input checked="" type="checkbox"/> Team Leader             | <input checked="" type="checkbox"/> Technical Expert                        |
| <input type="checkbox"/> Technical Reviewer                | <input type="checkbox"/> Health Expert                 | <input type="checkbox"/> Gender Expert                      | <input type="checkbox"/> Plastic Waste Expert                               |
| <input type="checkbox"/> CCB Expert                        | <input type="checkbox"/> Legal Expert                  | <input type="checkbox"/> Financial Expert                   | <input type="checkbox"/> Environmental, Health and Safety financial matters |
| <input checked="" type="checkbox"/> SDG+                   | <input checked="" type="checkbox"/> Social no-harm(S+) | <input checked="" type="checkbox"/> Environment no-harm(E+) |   |
| <input checked="" type="checkbox"/> Local Expert for India |  |   |   |

in the following Technical Areas:

- |  |  |                                  |   |   |
|--|--|----------------------------------|---|---|
| <input checked="" type="checkbox"/> TA 1.1 | <input checked="" type="checkbox"/> TA 1.2 | <input type="checkbox"/> TA 2.1  | <input checked="" type="checkbox"/> TA 3.1  | <input type="checkbox"/> TA 4.1             |
| <input type="checkbox"/> TA 4. n           | <input type="checkbox"/> TA 5.1            | <input type="checkbox"/> TA 5.2  | <input type="checkbox"/> TA 7.1             | <input type="checkbox"/> TA 8.1             |
| <input type="checkbox"/> TA 9.1            | <input type="checkbox"/> TA 9.2            | <input type="checkbox"/> TA 10.1 | <input checked="" type="checkbox"/> TA 13.1 | <input checked="" type="checkbox"/> TA 13.2 |
| <input type="checkbox"/> TA 14.1           | <input type="checkbox"/> TA 15.1           | <input type="checkbox"/> TA 16.1 |   |   |

Issue Date

5<sup>th</sup> December 2023

Expiry Date

31<sup>st</sup> December 2024

*Priya Suman*

Ms. Priya Suman  
Compliance Officer

*Sanjay Agarwalla*

Mr. Sanjay Kumar Agarwalla  
Technical Director

#### Revision History of the document:

Revision date	Summary of changes
2022 <sup>1</sup>	Annual revision
Jan 2023	Annual revision
Dec 2023	Change in the template due to revision in TA and function

CCIPL\_FM 7.9 Certificate of Competency\_V4.0\_112023

<sup>1</sup> Please refer to previous version of FM 7.9 for the revision history



## Carbon Check (India) Private Limited

### Certificate of Competency

**Ms. Indumathi C**

has been qualified as per CCIPL's internal qualification procedures in accordance with the requirements of CDM AS (V7.0), ISO/IEC14065:2020, ISO/IEC 17029:2019 and other applicable GHG programs:

for the following functions and requirements:

- |  |  |   |   |
|--|--|---|---|
| <input checked="" type="checkbox"/> Validator                            | <input checked="" type="checkbox"/> Verifier           | <input checked="" type="checkbox"/> Team Leader             | <input checked="" type="checkbox"/> Technical Expert                        |
| <input checked="" type="checkbox"/> Technical Reviewer                   | <input type="checkbox"/> Health Expert                 | <input type="checkbox"/> Gender Expert                      | <input checked="" type="checkbox"/> Plastic Waste Expert                    |
| <input type="checkbox"/> CCB Expert                                      | <input type="checkbox"/> Legal Expert                  | <input checked="" type="checkbox"/> Financial Expert        | <input type="checkbox"/> Environmental, Health and Safety financial matters |
| <input checked="" type="checkbox"/> SDG+                                 | <input checked="" type="checkbox"/> Social no-harm(S+) | <input checked="" type="checkbox"/> Environment no-harm(E+) |   |
| <input checked="" type="checkbox"/> Local Expert for India and Sri Lanka |  |   |   |

in the following Technical Areas:

- |  |  |                                  |   |   |
|--|--|----------------------------------|---|---|
| <input checked="" type="checkbox"/> TA 1.1 | <input checked="" type="checkbox"/> TA 1.2 | <input type="checkbox"/> TA 2.1  | <input checked="" type="checkbox"/> TA 3.1  | <input type="checkbox"/> TA 4.1             |
| <input type="checkbox"/> TA 4. n           | <input type="checkbox"/> TA 5.1            | <input type="checkbox"/> TA 5.2  | <input type="checkbox"/> TA 7.1             | <input type="checkbox"/> TA 8.1             |
| <input type="checkbox"/> TA 9.1            | <input type="checkbox"/> TA 9.2            | <input type="checkbox"/> TA 10.1 | <input checked="" type="checkbox"/> TA 13.1 | <input checked="" type="checkbox"/> TA 13.2 |
| <input type="checkbox"/> TA 14.1           | <input type="checkbox"/> TA 15.1           | <input type="checkbox"/> TA 16.1 |   |   |

Issue Date

5<sup>th</sup> December 2023

Expiry Date

31<sup>st</sup> December 2024

*Priya Suman*

Ms. Priya Suman  
Compliance Officer

*Sanjay Agarwalla*

Mr. Sanjay Kumar Agarwalla  
Technical Director

#### Revision History of the document:

Revision date	Summary of changes
2022 <sup>1</sup>	Annual revision
Jan 2023	Annual revision
Dec 2023	Change in the template due to revision in TA and function

CC IPL\_FM 7.9 Certificate of Competency\_V4.0\_112023

<sup>1</sup> Please refer to previous version of FM 7.9 for the revision history

### Appendix 3. Documents reviewed or referenced

Ref no.	Reference Document																		
/01/	<ol style="list-style-type: none"> <li>1. Monitoring report, version 01 29/04/2024</li> <li>2. Monitoring report, version 1.1 29/05/2024</li> <li>3. Monitoring report, version 1.2 08/06/2024</li> <li>4. Monitoring report, version 1.3 05/07/2024</li> </ol>																		
/02/	<ol style="list-style-type: none"> <li>1. Emission reduction calculation spreadsheet, "Caparispisan_Emission Reduction Calculation_MP5" dated, 29/04/2024</li> <li>2. Emission reduction calculation spreadsheet, "Caparispisan_Emission Reduction Calculation_MP5" dated, 29/05/2024</li> </ol>																		
/03/	Counter Signed contract between PP(North Luzon Renewable Energy Corp) and VVB (Carbon Check (India) Private Limited) dated 10/05/2024																		
/04/	Calibration Records <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Meter Serial Number</th> <th>Calibration date</th> </tr> </thead> <tbody> <tr> <td>194703145</td> <td>19/05/2022</td> </tr> <tr> <td>134921647</td> <td>19/05/2022</td> </tr> <tr> <td>94703145</td> <td>17/05/2023</td> </tr> <tr> <td>158774741</td> <td>16/11/2023</td> </tr> <tr> <td>158774742</td> <td>15/11/2023</td> </tr> <tr> <td>0268211020</td> <td>17/05/2022</td> </tr> <tr> <td>134921598</td> <td>16/11/2023</td> </tr> <tr> <td>163734085</td> <td>16/11/2023</td> </tr> </tbody> </table>	Meter Serial Number	Calibration date	194703145	19/05/2022	134921647	19/05/2022	94703145	17/05/2023	158774741	16/11/2023	158774742	15/11/2023	0268211020	17/05/2022	134921598	16/11/2023	163734085	16/11/2023
Meter Serial Number	Calibration date																		
194703145	19/05/2022																		
134921647	19/05/2022																		
94703145	17/05/2023																		
158774741	16/11/2023																		
158774742	15/11/2023																		
0268211020	17/05/2022																		
134921598	16/11/2023																		
163734085	16/11/2023																		
/05/	Manufacturer's Specification of Energy Meters, "MIRF_NLRNLRE03 signed" and "2023 MIRF_NLRNLRE04 signed"																		
/06/	Electricity Generation records from the grid Company																		
/07/	Pay slip records																		
/08/	Training records <ol style="list-style-type: none"> <li>1- Attendance records</li> <li>2- Training Pictures</li> </ol>																		
/09/	Grievance Register																		
/10/	Seimens Service Maintenance and Availability Agreement between North Luzon; dated 11 <sup>th</sup> July 2013																		
/11/	WESM Regulation																		

Ref no.	Reference Document
/B01/	<ol style="list-style-type: none"> <li>1- Gold Standard for the Global Goals Principles &amp; Requirements, v1.2, October 2019</li> <li>2- GS4GG template Monitoring Report v1.4</li> <li>3- STAKEHOLDER CONSULTATION AND ENGAGEMENT REQUIREMENTS, v2.1, 14/06/2022</li> <li>4- SITE VISIT AND REMOTE AUDIT REQUIREMENTS AND PROCEDURES, v2.0, dated 30/05/2023</li> <li>5- SAFEGUARDING PRINCIPLES &amp; REQUIREMENTS, v1.2, October 2019</li> <li>6- Gold Standard Verification and Validation Standard, v1.0 dated 06/03/2023</li> <li>7- GHG Emissions Reductions &amp; Sequestration Product Requirements V2.3 dated 29/04/2024</li> </ol>
/B02/	ACM0002: Grid-connected electricity generation from renewable sources (Version 19.0)
/B03/	CDM validation and verification standard, v3.0

/B04/	Registered PDD v1.7, dated 05/08/2022
/B05/	Renewal of Crediting Period validation report, v4.0, dated 17/02/2022
/B06/	Guideline: Application of materiality in verifications v2.0

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

Table 1: Clarification and Corrective Verification Requests

Finding	CL01		
<b>Classification</b>	<input type="checkbox"/> CAR	<input checked="" type="checkbox"/> CL	<input type="checkbox"/> FAR
<b>Description of finding (VVB)</b>	CP 1 is from 17/07/2015 to 16/07/2022 and CP2 is from 17/07/2022 to 16/07/2029. The current monitoring period is 26/06/2022 to 25/03/2024. The days, from 26/06/2022 to 16/07/2022 are falling under CP1. PP is requested to clarify how PP is 2 CP days are reported in the same MP.		
<b>Corrective Action or clarification #1</b> <i>(PP shall write a detailed and clear corrective action or further information for clarification as per finding)</i>	The monitoring period has been adjusted, commencing from 27/07/2022 instead of 26/06/2022. Consequently, the following footnote has been added to Table 2: The previous MP ended on 25/06/2022, while CP1 ended on 16/07/2022. Therefore, we opted for a conservative approach by setting the start date of this MP as 27/07/2022 which is falling within CP2.		
<b>DOE /VVB Assessment #1</b> <i>The assessment shall encompass all open issues in the finding. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	The approach opted by PP is conservative and is in line with the GS4GG requirements. Hence, CL01 is closed.		
<b>Conclusion</b> <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the next periodic verification <input type="checkbox"/> Outstanding finding (not closed) <input checked="" type="checkbox"/> The finding is closed		

Finding	CL02		
<b>Classification</b>	<input type="checkbox"/> CAR	<input checked="" type="checkbox"/> CL	<input type="checkbox"/> FAR
<b>Description of finding (VVB)</b>	In section C of the MR, states that " <i>The selection procedure, tasks and responsibilities of the monitoring officer are described in detail in Annex 3</i> ". However, there is no annex 3 in MR. PP is requested to clarify.		
<b>Corrective Action or clarification #1</b> <i>(PP shall write a detailed and clear corrective action or further information for clarification as per finding)</i>	It's a typo and removed in the revised MR		
<b>DOE /VVB Assessment #1</b> <i>The assessment shall encompass all open issues in the finding. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	PP has removed the typo error in the revised MR v1.1. CL02 is closed.		
<b>Conclusion</b> <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the next periodic verification <input type="checkbox"/> Outstanding finding (not closed) <input checked="" type="checkbox"/> The finding is closed		

Finding	CL03		
<b>Classification</b>	<input type="checkbox"/> CAR	<input checked="" type="checkbox"/> CL	<input type="checkbox"/> FAR
<b>Description of finding (VVB)</b>	In section A.1 of the MR, states that “An estimated 5 km 22 kV connection line from the Balaoi switchyard to the Caparispisan substation will be constructed by the project proponent.” However, during the on-site inspection, it was observed that no such progression had been made. PP is requested to clarify.		
<b>Corrective Action or clarification #1</b> <i>(PP shall write a detailed and clear corrective action or further information for clarification as per finding)</i>	This was early planned but its not executed. Therefore, this sentence is removed in the revised MR.		
<b>DOE /VVB Assessment #1</b> <i>The assessment shall encompass all open issues in the finding. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	The rectification step taken by PP is satisfactory. CL03 is closed.		
<b>Conclusion</b> <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the next periodic verification <input type="checkbox"/> Outstanding finding (not closed) <input checked="" type="checkbox"/> The finding is closed		

Finding	CL04		
<b>Classification</b>	<input type="checkbox"/> CAR	<input checked="" type="checkbox"/> CL	<input type="checkbox"/> FAR
<b>Description of finding (VVB)</b>	PP is requested to clarify why energy meters were replaced, how data was managed during replacement, and provide supporting documents to justify the replacement.		
<b>Corrective Action or clarification #1</b> <i>(PP shall write a detailed and clear corrective action or further information for clarification as per finding)</i>	Starting in February 2024, the revenue meters from the Laoag substation were no longer in use as revenue meters. The project site’s load profile was reviewed during the site visit which indicated power generation data for Laoag substation until February 2024, suggesting the transition of meters to the CAPA1 substation. A brief language on this has been added under Section C of the revised MR.		
<b>DOE /VVB Assessment #1</b> <i>The assessment shall encompass all open issues in the finding. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	The meter replacement explanation is in line with the on-site inspection and meter replacement certificates. CL04 is closed.		
<b>Conclusion</b> <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the next periodic verification <input type="checkbox"/> Outstanding finding (not closed) <input checked="" type="checkbox"/> The finding is closed		

Finding	CAR 01		
<b>Classification</b>	<input checked="" type="checkbox"/> CAR	<input type="checkbox"/> CL	<input type="checkbox"/> FAR



Finding	CAR 01
<b>Description of finding (VVB)</b>	<p>PP is requested to address the following findings as per the MR Guidelines v1.1 –</p> <ol style="list-style-type: none"> <li>In KPI table, '<i>Date of Last Annual Report</i>' is not given.</li> <li>Filling guidelines for table 2 states that, "<i>Referring to the monitoring period start and end dates in the KPI table, divide the monitoring period into calendar years and calculate the amount of Product generated in each calendar year.</i>" In table 2, dates given are not in calendar year format.</li> <li>In section D.3, PP is supposed to compare monitored parameters given in section D.2 of the MR. In table of section D.3, PP has mentioned '<i>Monitored Parameter</i>' &amp; '<i>EF<sub>grid,CM,y</sub></i>', which are not monitored parameter as per the registered PDD as well.</li> <li>In the table of section D.3, for SDG 07, PP has not provided Unit under '<i>Value obtained last monitoring period</i>'.</li> <li>In section G..2 of the MR, PP should clarify that no grievances were noted during the monitoring period to justify why no mitigation measures were agreed to be monitored.</li> </ol>
<b>Corrective Action or clarification #1</b> <i>(PP shall write a detailed and clear corrective action or further information for clarification as per finding)</i>	<ol style="list-style-type: none"> <li>Date of annual report date is included.</li> <li>The dates are amended in line with calendar year.</li> <li>EF<sub>grid,CM,y</sub> is removed from the comparison table.</li> <li>Units are included for all the parameters.</li> <li>Section G.2 is amended in the revised MR.</li> </ol>
<b>DOE /VVB Assessment #1</b> <i>The assessment shall encompass all open issues in the finding. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	<ol style="list-style-type: none"> <li><b>PP has added the Date Of Last Annual Report in the KPI table.</b></li> <li>PP has revised the dates format into the calendar year.</li> <li>PP has removed EF<sub>grid,CM,y</sub> from comparison.</li> <li>PP has added a unit for SDG07 in the revised MR.</li> <li>PP has revised section G.2 of the MR satisfactorily.</li> </ol> <p>VVB has cross-checked the grievances record and interviewed locals as well. Through this verification procedures VVB confirms that no grievances have been recorded in current MP.</p>
<b>Conclusion</b> <i>Tick the appropriate checkbox</i>	<p>CAR 01 is closed.</p> <p><input type="checkbox"/> To be checked during the next periodic verification</p> <p><input type="checkbox"/> Outstanding finding (not closed)</p> <p><input checked="" type="checkbox"/> The finding is closed</p>

Finding	CAR 02		
<b>Classification</b>	<input checked="" type="checkbox"/> CAR	<input type="checkbox"/> CL	<input type="checkbox"/> FAR

Finding	CAR 02
<p><b>Description of finding (VVB)</b></p>	<p>PP is requested to address the following editorial comments in MR –</p> <ol style="list-style-type: none"> <li>1. Throughout the MR, tCO<sub>2e</sub> is not in subscript.</li> <li>2. In section A.3, the statement; <i>“To demonstrate the project additionality as referred in section B.5”</i>, does not clearly state that it is referring to the registered PDD. Similar statements are: <ul style="list-style-type: none"> <li>• In section A.3 -<i>“To define the baseline scenario and grid emission factor as referred in section B.4.”</i></li> <li>• In section C – <i>“Net electricity supplied to the grid by the project (EGy in section B.7.1.) is calculated on a monthly basis as:”</i></li> <li>• In section D.2, under SDG 07 – <i>“For details please refer to section B.7.3.”</i></li> </ul> </li> <li>3. In section B.2.2 of the MR, <i>“(17/07/2022 – 16/072027) to 7 years (17/07/2022 – 16/072029).</i> Date format is not correct.</li> <li>4. In section D.2, under Measurement methods and procedures of SDG 13, ACM0002 is written as ACM000.</li> <li>5. In section E.5.1 of the MR, first table for Energy generation ex ante calculation, does not clarify for which SDG it is. Moreover, Unit of power generation is given as 484,837 tCO<sub>2</sub>.</li> </ol>
<p><b>Corrective Action or clarification #1</b> <i>(PP shall write a detailed and clear corrective action or further information for clarification as per finding)</i></p>	<ol style="list-style-type: none"> <li>1. It's revised in the entire MR.</li> <li>2. All sections are amended.</li> <li>3. All dates are formatted.</li> <li>4. Section E.5.1 is amended.</li> </ol>
<p><b>DOE /VVB Assessment #1</b> <i>The assessment shall encompass all open issues in the finding. In case of non-closure, additional corrective action and DOE (#2, #3, etc.) shall be added.</i></p>	<ol style="list-style-type: none"> <li>1. PP has revised the tCO<sub>2</sub> representation.</li> <li>2. PP has revised all the sections.</li> <li>3. PP has revised the date format.</li> <li>4. PP has not addressed CAR02-04.</li> <li>5. In section E.5.1, PP has revised the SDG representation. However, under SDG 13, PP has not revised value of SDG 13 as per new MP. CAR02-05 Remains open.</li> </ol>
<p><b>assessments Corrective Action or clarification #2</b> <i>(PP shall write a detailed and clear corrective action or further information for clarification as per finding)</i></p>	<ol style="list-style-type: none"> <li>4. Methodology number is amended</li> <li>5. Value of SDG 13 is revised</li> </ol>
<p><b>DOE /VVB Assessment #2</b> <i>The assessment shall encompass all open issues in the finding. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i></p>	<ol style="list-style-type: none"> <li>4. PP has rectified methodology number in section D.2.</li> <li>5. PP has revised the value of SDG 13 value.</li> </ol>
<p><b>Conclusion</b> <i>Tick the appropriate checkbox</i></p>	<p><input type="checkbox"/> To be checked during the next periodic verification</p> <p><input type="checkbox"/> Outstanding finding (not closed)</p> <p><input checked="" type="checkbox"/> The finding is closed</p>

Finding1	CAR 03
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Finding1	CAR 03		
<b>Classification</b>	<input checked="" type="checkbox"/> CAR	<input type="checkbox"/> CL	<input type="checkbox"/> FAR
<b>Description of finding (VVB)</b>	PP is requested to address the following discrepancies in line with the registered PDD – <ol style="list-style-type: none"> <li>In section D.2 of the MR, for SDG 07, the parameter given is <math>EG_{PJ,grid,y}</math> (Gross), while in the PDD section B.7 parameter for SDG 07 is '<i>EGfacility,y</i>'. Moreover, the description for the SDG 07 is given as "<i>Net electricity supplied to national grid by the project activity</i>" in MR, while in the PDD it is "<i>Quantity of net electricity generation supplied by the project plant/unit to the grid in year y</i>".</li> <li>In section D.2 of the MR, for SDG 13, the parameter given is "<i>13.2.2 – GHG emission reduction per year</i>", while in the PDD section B.7 parameter for SDG 13 it is "<i>ERY - Annual emission reduction</i>".</li> <li>In section E.1, for Quantity of net electricity generation, symbol is given as <math>EG_{PJ,grid,y}</math>.</li> </ol>		
<b>Corrective Action or clarification #1</b> <i>(PP shall write a detailed and clear corrective action or further information for clarification as per finding)</i>	<ol style="list-style-type: none"> <li>Parameter is amended.</li> <li>Parameter is amended in line with certified PDD.</li> <li>Parameter is amended.</li> </ol>		
<b>DOE /VVB Assessment #1</b> <i>The assessment shall encompass all open issues in the finding. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	<ol style="list-style-type: none"> <li>PP has revised the name of the parameter but hasn't rectified the description of the parameter as per the registered PDD. CAR03-01 remains open.</li> <li>PP has rectified the parameter name for SDG 13, in line with the registered PDD.</li> <li>PP has rectified the symbol.</li> </ol>		
<b>Corrective Action or clarification #2</b> <i>(PP shall write a detailed and clear corrective action or further information for clarification as per finding)</i>	<ol style="list-style-type: none"> <li>Description is revised</li> </ol>		
<b>DOE /VVB Assessment #2</b> <i>The assessment shall encompass all open issues in the finding. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	<ol style="list-style-type: none"> <li>PP has rectified the name of parameter.</li> </ol> CAR 03 is closed.		
<b>Conclusion</b> <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the next periodic verification <input type="checkbox"/> Outstanding finding (not closed) <input checked="" type="checkbox"/> The finding is closed		

Finding	CAR 04		
<b>Classification</b>	<input checked="" type="checkbox"/> CAR	<input type="checkbox"/> CL	<input type="checkbox"/> FAR
<b>Description of finding (VVB)</b>	PP shall provide the vintage-wise data and calculation for all 3 SDGs in the ER calculation sheet.		
<b>Corrective Action or clarification #1</b> <i>(PP shall write a detailed and clear corrective action or further information for clarification as per finding)</i>	The ER computation provided in vintage-wise in the revised ER spreadsheet.		
<b>DOE /VVB Assessment #1</b> <i>The assessment shall encompass all open issues in the finding. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	PP has provided the vintage-wise data and calculation for all 3 SDGs in the ER calculation sheet.  CAR 04 is closed.		

Finding	CAR 04
<b>Conclusion</b> <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the next periodic verification <input type="checkbox"/> Outstanding finding (not closed) <input checked="" type="checkbox"/> The finding is closed

Finding	CAR 05		
<b>Classification</b>	<input checked="" type="checkbox"/> CAR	<input type="checkbox"/> CL	<input type="checkbox"/> FAR
<b>Description of finding (VVB)</b>	PP is requested to submit the following documents for VVB assessment – <ol style="list-style-type: none"> <li>1. As per the Parameter '<i>No. of awareness programmes</i>'; The training records will include an attendance register and photos of training. Thus, PP is requested to submit both of these.</li> <li>2. As per the Parameter '<i>Employees' monthly wages</i>'; <i>the source of data is Job contracts (or) Pay slips (or) Payroll records</i>. PP is requested to submit these documents to verify no discrimination based on gender is there as well.</li> <li>3. PP is requested to submit National standards and regulations set by the Philippine Wholesale Electricity Spot Market (WESM).</li> <li>4. Grievances logbook</li> <li>5. Manufacturer's specification of electricity meters</li> <li>6. Replacement certificates</li> <li>7. Equipment Signing Agreement.</li> <li>8. Energy Regulatory Commission (ERC) Resolution No. 24 Series of 2013, as stated in section C of the MR.</li> </ol>		
<b>Corrective Action or clarification #1</b> <i>(PP shall write a detailed and clear corrective action or further information for clarification as per finding)</i>	All the requested documents will be shown during the onsite visit.		
<b>DOE /VVB Assessment #1</b> <i>The assessment shall encompass all open issues in the finding. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	<ol style="list-style-type: none"> <li>1. PP has not submitted the attendance register and photos of training for the VVB assessment. CAR05-01 remains open.</li> <li>2. PP submitted the records to the VVB during the on-site inspection. VVB has found no discrepancies in the records. PP is providing equal employment opportunities to both genders as well as providing them compensation as per the individual role. CAR05-02 is closed.</li> <li>3. PP has provided National standards and regulations set by the Philippine Wholesale Electricity Spot Market (WESM) in MR as footnote 4. VVB has checked the link, it's accessible and gives all respective national rules and regulations of the Philippines.</li> <li>4. VVB has reviewed the Grievance log book during on-site inspection.</li> <li>5. PP has not submitted the Manufacturer's specification of electricity meters. CAR05-04 remains open.</li> <li>6. PP has submitted the replacement certificates. <i>(2023 MIRF_NLRNLRE04 signed &amp; MIRF_NLRNLRE03 signed)</i></li> <li>7. PP has submitted the Equipment Signing agreement <i>(130711 Siemens Service Maintenance and Availability Agreement)</i></li> <li>8. PP has provided Energy Regulatory Commission (ERC) Resolution No. 24 Series of 2013 in MR as footnote 3. VVB has checked the link, it's accessible.</li> </ol>		

Finding	CAR 05
<b>Corrective Action or clarification #2</b> <i>(PP shall write a detailed and clear corrective action or further information for clarification as per finding)</i>	1. Attendance registers and photos of training are submitted online. 5. Manufacturer's specification of electricity meters are indicated in the following files: (1) MIRF_NLRNLRE03 signed and (2) 2023 MIRF_NLRNLRE04 signed. Both have already been submitted online.
<b>DOE /VVB Assessment #2</b> <i>The assessment shall encompass all open issues in the finding. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	1- PP has submitted attendance registers and photos of the trainings. 5- PP has submitted electricity meter manufacturer's specifications. CAR 05 is closed.
<b>Conclusion</b> <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the next periodic verification <input type="checkbox"/> Outstanding finding (not closed) <input checked="" type="checkbox"/> The finding is closed

**Table 2: Forward Action request from previous verification**

No FAR from previous FAR

Finding	FAR 01		
<b>Classification</b>	<input checked="" type="checkbox"/> CAR	<input type="checkbox"/> CL	<input type="checkbox"/> FAR
<b>Description of finding (VVB)</b>	NA		
<b>Corrective Action or clarification #1</b> <i>(PP shall write a detailed and clear corrective action or further information for clarification as per finding)</i>			
<b>DOE /VVB Assessment #1</b> <i>The assessment shall encompass all open issues in the finding. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>			
<b>Conclusion</b> <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the next periodic verification <input checked="" type="checkbox"/> Outstanding finding (not closed) <input type="checkbox"/> The finding is closed		

**Table 3: Forward Action request from this verification**

Finding	FAR 01		
<b>Classification</b>	<input checked="" type="checkbox"/> CAR	<input type="checkbox"/> CL	<input type="checkbox"/> FAR
<b>Description of finding (VVB)</b>	NA		
<b>Corrective Action or clarification #1</b> <i>(PP shall write a detailed and clear corrective action or further information for clarification as per finding)</i>			
<b>DOE /VVB Assessment #1</b> <i>The assessment shall encompass all open issues in the finding. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>			

Finding	FAR 01
<b>Conclusion</b> <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the next periodic verification <input checked="" type="checkbox"/> Outstanding finding (not closed) <input type="checkbox"/> The finding is closed

## Document information

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<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.

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