

 Carbon CHECK	FM 4.9 Verification Report Template VVS GS	Revised: October 2020
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VERIFICATION REPORT

For

Gold Standard Project Activity

“CAMLICA II HEPP”

By

GTE KARBON SÜRDÜRÜLEBİLİR ENERJİ
EĞİTİM DANIŞMANLIK VE TİC. AŞ
Gold Standard Project ID: GS1173

Methodology: ACM0002 - Consolidated baseline methodology for grid connected electricity generation from renewable sources” (version 13.0.0)

Applicable Gold Standard Requirements: Version 1.2

Monitoring Period: 01/06/2019 - 31/12/2021 (inclusive both dates)

Report No: CCIPL1009/GS/RCP-VER/CHP/20211001

Revision number: 05.0

Report Date: 15/03/2023

I. PROJECT DATA

Project title:	ÇAMLICA II HEPP		
Registration No. / Date:	GS1173	Scale:	Large
Monitoring period:	01/06/2019 - 31/12/2021	Monitoring Period Number:	3
Methodology:	ACM0002 (Version 13.0.0)	Sectoral Scope/Technical Area:	1/1.2
Final Monitoring Report:	Version 05, dated 22/02/2023		
Average emission reductions:	Estimated:	127,710tCO ₂ e (for the monitoring period)	Verified: 69,836 tCO ₂ e (for the monitoring period)
GHG reducing measure/technology:	The baseline scenario is the grid connected electricity generation in the national grid of Turkey. The project activity is a renewable energy power plant that produces and deliver the clean energy to the national grid which otherwise would have been delivered by a fossil fuel powered power plant, thereby reducing the CO ₂ emission.		

Party	Project participants	Party considered a project participant	Contract party
Turkey	1-HGG Enerji Üretim A.Ş (Project Owner) 2-GTE KARBON SÜRDÜRÜLEBİLİR ENERJİ EĞİTİM DANIŞMANLIK VE TİC. AŞ (Project Developer)	Yes	☒

II. VERIFICATION TEAM

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of VVB or outsourced entity)
1.	Team Leader/ Technical Expert	IR	Anand	Amit	CC IPL
2.	Acting Team Leader	IR	Choudhary	Aparna	CC IPL
3.	Local Expert	EI	Erduran	Muhammet Ali	CC IPL
4.	Technical reviewer	IR	C	Indumathi	CC IPL

III. VERIFICATION REPORT

Verification Phases and Status:

FM 4.9 Verification Report Template VVS GS

N° CC IPL 1026/GS/VER/SWFP/20211020

2

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- ☒ Desk Review ☒ Follow up interviews
☒ Resolution of outstanding issues ☒ Corrective Actions / Clarifications Requested
☒ Full Approval and Submission for Issuance ☐ Rejected

Final Approval Date	Approval	Distribution
☒	By: Vikash Kumar Singh	☒ No distribution without permission from the Client or responsible organizational unit ☐ Limited Distribution ☐ Unrestricted distribution
2022/05/10		

Abbreviations

BAU	Business as Usual
CAR	Corrective Action Request
CC IPL	Carbon Check (India) Private Ltd.
CDM	Clean Development Mechanism
CER	Certified Emission Reduction
CL	Clarification Request
CO₂	Carbon Dioxide
CO_{2e}	Carbon Dioxide Equivalent
DNH	Do No Harm
DVR	Draft Validation Report
EB	CDM Executive Board
EF	Emission Factor
FA	Final Approval
FAR	Forward Action Request
FVR	Final validation Report
GS	Gold Standard
GSC	Global Stakeholder Consultation
GHG	Greenhouse gas(es)
GWh	Giga Watt Hour
IPCC	Intergovernmental Panel on Climate Change
MWh	Mega Watt Hour
MRR	Monthly Reading Records
OSV	On Site Visit
QC/QA	Quality control/Quality assurance
Registry	Gold Standard/Markit Registry
SD	Sustainable Development
TA	Technical Area
TR	Technical Review
UNFCCC	United Nations Framework Convention on Climate Change
VER	Verified Emission Reductions
VVS	Validation and Verification Standard
VVB	Validation & Verification body

Verification Opinion — summary

Carbon Check (India) Private Ltd. (CC IPL) has performed 3rd periodic verification of the GS project “CAMLICA II HEPP” having GS registry number GS1173 for the period 01/06/2019 - 31/12/2021. The verification team assigned by the VVB concludes that the GS Project Activity as described in the registered GS PDD /B07/, GS4GG transition annex /B08/ and the monitoring report /01-b/, meets all relevant requirements of the Gold Standard, UNFCCC for CDM project activities including article 12 of the Kyoto Protocol and paragraph 56 and 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. The verification has been conducted in-line with the UNFCCC VVS requirements version 03.0 as well as the GS4GG.

Verification methodology and process

The Verification team confirms the contractual relationship signed on the 18/10/2021 between the VVB, Carbon Check (India) Private Ltd. and the Project Participant, HGG Enerji Üretim A.Ş (Project Owner). The team assigned to the verification meets the Carbon Check (India) Private Ltd. internal procedures including the UNFCCC requirements for the team composition and competence. CC IPL has conducted a thorough contract review as per UNFCCC and Carbon Check procedures and requirements.

The verification has been performed as per the requirements described in the Gold Standard Requirements; Gold Standard Toolkit and VVS and constitutes the review and completion of the following steps:

- Reviewing the approved PDD, GS4GG Transition annex including the monitoring plan and the corresponding validation report and the Gold Standard Passport, the Sustainability Matrix and monitoring data.
- Desk review of the MR, previous verification report and other relevant documents including documents related to the project activities in emission reductions.
- Review of the applied monitoring methodology; ACM0002: “Grid-connected electricity generation from renewable sources” (Version 13.0);
- Review of any CMP and EB decisions, clarifications and guidance and the Gold Standard Secretariat.
- Site visit 05/11/2021
- Resolution of CARs and CLs raised during verification.
- Issuance of Verification Report.

In Carbon Check’s opinion the project activity was correctly implemented according to selected monitoring methodology monitoring plan and the approved PDD. 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 the site visit, the verification team confirms that the project has resulted in the 69,836 tCO_{2e} emission reductions during the 3rd monitoring period:

Year	Emission Reduction (tCO ₂)
2019 (01/06/2019 to 31/12/2019)	16,270
2020 (01/01/2020 to 31/12/2020)	36,485
2021 (01/01/2021 to 31/12/2021)	17,081
Total	69,836

The GHG emission reductions and non-GHG parameters were correctly calculated/monitored on the basis of the approved monitoring methodology “Grid-connected electricity generation from renewable sources” (Version 13.0) and the monitoring plan contained in the Project Design Document.

TABLE OF CONTENTS

Introduction	7
1.1 Objective	7
1.2 Scope	7
1.3 Project Activity Description	8
2. METHODOLOGY	9
2.1 Desk review	9
2.2 Background documents:	10
2.3 On-site visit and follow-up interviews with project stakeholders	10
2.4 Resolution of outstanding issues	12
2.5 Internal quality control	13
2.6 Verification Team	13
3. VERIFICATION FINDINGS	14
Application of materiality	14
Consideration of materiality in planning the verification	14
Consideration of materiality in conducting the verification	15
3.1 Project implementation	16
3.2 The actual operation of the GS4GG project activity	17
3.3 Compliance of the monitoring plan with the monitoring methodology including applicable tool(s)	17
3.4 Compliance of the Actual monitoring with monitoring plan in the PDD	18
3.5 Monitored parameters	19
3.6 Monitoring responsibility	23
3.7 Deviation from and/or Revision of the registered monitoring plan	23
3.8 Assessment of data and calculation of greenhouse gas emission reductions	24
3.9 Assessment of actual emission reductions with the estimate emission reductions in PDD	25
3.10 Monitoring of Gold Standard Sustainability Indicators	26
3.11 Issues remaining from the previous verification period or during validation	30
3.12 Grievance mechanism implemented during this monitoring period and their resolution.	31
3.13 Quality and Management System Assurance	31
APPENDIX A.....	32
APPENDIX B: CLARIFICATION REQUESTS, CORRECTIVE ACTION REQUESTS AND FORWARD ACTION REQUESTS.....	34

Introduction

The Project Participant, HGG Enerji Üretim A.Ş (Project Owner), has commissioned the Carbon Check (India) Private Ltd. to perform an independent verification of the Project Activity “CAMLICA II HEPP” (GS1173) in Turkey (hereafter referred to as “project activity”). This report summarises the findings of the verification of the project, performed on the basis of GS4GG requirements and paragraph 62 of the CDM M & P, as well as criteria given to provide for consistent project operations, monitoring and reporting and the subsequent decisions by the CDM Executive Board and SustainCert. Verification is required for all registered GS project activities intending to confirm their achieved emission reductions and proceed with request for issuance of VERS. This report contains the findings and resolutions from the verification and a certification statement for the certified emission reductions.

1.1 Objective

Verification is the periodic independent review and *ex post* determination of both quantitative and qualitative information by a VVB of the monitored reductions in GHG emissions that have occurred as a result of the registered GS project activity during a defined monitoring period.

Certification is the written assurance by a VVB that, during a specific period of time, a project activity achieved the emission reductions as verified.

The objective of this verification was to verify and certify emission reductions reported for the “CAMLICA II HEPP (GS1173) in Turkey for the period - 01/06/2019 - 31/12/2021.

The purpose of verification is to review the monitoring results and verify that the monitoring methodology was implemented according to the monitoring plan and monitoring data and used to confirm the reductions in anthropogenic emissions by sources, is sufficient, definitive and presented in a concise and transparent manner. Other non-GHG parameters shall also be assessed as per the requirement of GS4GG. Verification of emission reductions for Gold Standard crediting is only for eligible gases.

In particular, the monitoring plan, monitoring report and the project's compliance with relevant UNFCCC and host Party criteria are verified in order to confirm that the project has been implemented in accordance with the previously registered project design and conservative assumptions, as documented. It is also to confirm that the monitoring plan is in compliance with the registered PDD and approved monitoring methodology.

1.2 Scope

The scope of the verification is:

- To verify the project implementation and operation with respect to the registered PDD and GS4GG transition annex
- To verify the implemented monitoring plan with the registered PDD and applied baseline and monitoring methodology.
- To verify that the actual monitoring systems and procedures are in compliance with the monitoring systems and procedures described in the monitoring plan.
- To evaluate the GHG emission reduction data / and express a conclusion with a reasonable level of assurance about whether the reported GHG emission reduction data is free from material misstatement.
- To verify that reported GHG emission data and other non-GHG parameters as per the requirement of GS is sufficiently supported by evidence.

Carbon Check's scope of verification as a third-party verifier is to verify project's emission reductions and sustainable development impacts against the requirements set out by the SustainCert. The verification shall ensure that the reported emission reductions are complete and accurate in order to be certified.

The verification comprises a review of the monitoring report over the monitoring period from 01/06/2019 - 31/12/2021 and based on the registered PDD/B07/ in part of the monitoring parameters and monitoring plan, emission reduction calculation spreadsheet, monitoring methodology and all related evidence provided by project participant.

Site Visit was also performed as part of the verification process.

1.3 Project Activity Description

The project activity involves the implementation and operation 3 x (5.96 MWm/5.86MWe) and turbine type is Francis and total installed power is 17.88 MWm/17.58 MWe in Camlica II HEPP. It is a run-of-river type project that is built on the Zamanti River located in the Kayseri province of Turkey. The project activity utilizes tail water from Camlica I regulator and HEPP which was operational since 1998. The project activity has a designed capacity of 17.88 MWm / 17.58 MWe (3 X (5.96MWm / 5.86 MWe)) with a total output capacity of 89.558 GW/year

The project is developed by HGG Enerji Üretim A.Ş (Project Owner). The main purpose of the project activity is to produce clean and environmental friendly energy by involving electricity generation from renewable natural resources. The electricity generated is supplied to the national grid of Turkey through Yamanli substation.

The project activity achieved an emission reduction of 69,836 tCO₂ and the estimated emission reduction for this monitoring period fixed ex-ante was 127,710 tCO₂. The project started commercial operation on 02/05/2014 which is checked and confirmed by the verification team by reviewing commissioning certificates /11/. Verification team confirms that all the turbines were operational during this monitoring period.

As per the registered PDD, the crediting period of the project start date was from 01/01/2015 and the same has been verified from the registered PDD.

The verification team confirm that the project is implemented as per the registered PDD /B07/.

Apart from reduction in greenhouse gases, the project offering co-benefit to the community. There is no change observed from the registered monitoring plan of the registered PDD-/B07/.

The verification team has verified the following websites & confirmed that there is no double counting:

1. UNFCCC website: <https://cdm.unfccc.int/Projects/projsearch.html>
2. Voluntary Carbon Standard website: <http://www.vcsprojectdatabase.org/#/home>
3. Gold Standard website: <http://www.goldstandard.org/>

2. METHODOLOGY

The verification consists of the following four phases:

1. Completeness check of the Emission Reductions Monitoring report.
2. Review of project documentation (monitoring plan, monitoring report, monitoring methodology, project design document, applicable tools in-particular, attention to the frequency of measurements, quality of metering equipment's including calibration requirements, QA/QC procedures and other relevant documents and regulations);
3. Site Visit/ interviews with project stakeholders which includes the following.
 - An assignment of implementation and operation of project activity with respect to registered PDD /B07/;
 - Review of information flows for generating, aggregating and reporting the monitoring parameters.
 - Interview with relevant personals to determine whether the operational and data collection procedures are implemented and in accordance with monitoring plan of the PDD/B07/.
 - Cross check of information and data provided in the monitoring report with plant logbooks, inventories, purchase records or similar data sources.
 - Check of monitoring equipment's, calibration frequency and monitoring practice in-line with methodology and PDD/B07/.
 - Review of assumptions made in calculating the emission reduction.
 - Implementation of QA/QC procedure in-line with the PDD and methodology requirement.
4. Resolution of outstanding issues and the issuance of the final Verification report and Certification statement.

The following sections outline each step in more detail.

Duration of Verification:

- Signing of Letter of Engagement : 18/10/2021
- Site visit : 05/11/2021
- Issuance of DVR : 31/03/2022
- Reporting/Calculations/Technical Review and QA/QC : 05/10/2022

2.1 Desk review

During the desk review, Carbon Check applied the standard auditing techniques to assess the quality of information provided.

The following table outlines the documentation reviewed during the verification:

No.	Title
/01/	a) Monitoring Report version 01, dated 21/02/2022 (initial) b) Monitoring Report version 05, dated 22/02/2023 (final)
/02/	Emission Reduction spreadsheet corresponding to /01-b/
/03/	Data source for the parameter "Quantity of net electricity generation supplied by the project plant/unit to the grid in year y"
/04/	Copy of invoice raised by EPIAS
/05/	Records of calibration of electricity meter.
/06/	Data source for the "Water quality parameter" a. Hydrogeological and hydrobiological evaluation report (2015) b. Flow rate measurement for 2019 c. Flow rate measurement for 2020

	d. Flow rate measurement for 2021
/07/	Data source for the Air quality
/08/	Data source of the "Other pollutants- Hazardous and non-hazardous waste"
/09/	Data source for the "Quality of employment- Number of trainings for employees"
/10/	Data source for the "Quantitative employment and income generation - Number of job opportunities created/income generation": a. Social security records b. Paychecks
/11/	Commissioning certificate
/12/	Power Purchase Agreement
/13/	Data source for "Appropriate disposal of wastewater" a. national regulations on handling domestic waste b. Wastewater disposal records.
/14/	Electricity generation license.
/15/	Declaration on no legal contest

2.2 Background documents:

Ref no.	Reference Document
/B01/	a) CDM Validation and Verification Standard version 03.0 b) CDM Project Standard version 03.0
/B02/	a) Gold Standard Toolkit Version 2.2 dated 01/06/2012 b) Gold Standard Requirements Version 2.2 dated 01/06/2012 c) Principles and Requirements GS4GG version 1.2
/B03/	Applied baseline and monitoring methodology, "ACM0002 (Version 13.0): "Grid-connected electricity generation from renewable sources"
/B04/	a) Guideline: Completing the Monitoring Report. b) Template of Monitoring Report available on UNFCCC website.
/B05/	UNFCCC website (http://www.http://cdm.unfccc.int/)
/B06/	SustainCert Project Registry page for the project titled "Camlica II HEPP"
/B07/	Registered PDD Version 10, dated 07/11/2019
/B08/	GS4GG Transition annex
/B09/	Site Visit and Remote Audit Requirements and Procedures, version 1.0
/B10/	GS4GG Passport

2.3 On-site visit and follow-up interviews with project stakeholders

The site visit was performed by the verification team of CCIPL on 05/11/2021 and the following activities were performed

- An assessment of the implementation and operation of the project activity as per the registered PD.
- A review of information flows for generating, aggregating and reporting the monitoring parameters.
- Interviews with relevant personnel to determine whether the operational and data collection procedures are implemented in accordance with the monitoring plan in the PD.

- iv. 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.
- v. A check of the monitoring equipment including calibration performance and observations of monitoring practices against the requirements of the PD and the selected methodology and corresponding tool(s), where applicable.
- vi. A review of calculations and assumptions made in determining the GHG data and emission reductions.
- 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.
- viii. Verification of the monitoring of sustainable development indicators

The project representatives and stakeholders interviewed:

Date: 05/11/2021, Location: Kayseri province of Turkey				
Sl.no	Name	Organization	Topic	Team member
/1/	Mr. Murat (Plant Manager.)	CAMLICA II Hydro Power Plant	Present during the site visit as Management Representative.	• Muhammet Ali Erduran (on-site) • Amit Anand & Aparna Chaudhary (Remotely)
			Discussion on project design (implementation and operation) and monitoring data. Discussion on the contents of the Monitoring Report	
			Discussion on SD monitoring and Grievance Mechanism – Handling of Grievances, Discussion on project design (implementation and operation) and monitoring data.	
/2/	Ms. Merve Aygence	HGG Enerji Üretim Anonim Şirketi	Discussion on Health Safety and Environment – Water quality parameters, Biodiversity and Other pollutants.	
			Discussion on project design (implementation and operation) and monitoring data.	
			Discussion on SD monitoring and Grievance Mechanism – Handling of Grievances and training.	
			Discussion on quality and quantity of employment.	
/03/	Eser Nazli	Village Head: Yesilkoy Village/Yahyali District	Interview with the Local stakeholder of the project	
/04	Soner Caker	Farmer/Worker: Yesilkoy Village/Yahyali District		
/05/	Haci Caker	Farmer: Yesilkoy		

		Village/Yahyali District	
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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. /B07/
- The operational and data collection procedures are implemented as per the monitoring plan in the PDD/B07/
- The information flow for generating, grouping and reporting of the monitored parameters
- Procedures to avoid double counting are in place.

2.4 Resolution of outstanding issues

The objective of this phase of the verification is to resolve any outstanding issues (issues that require further elaboration, research or expansion) which have to be clarified/corrective action done prior to final VVB's conclusions on the project implementation, monitoring practices and achieved emission reductions. In order to ensure transparency a verification protocol is completed for the project activity. The protocol shows in transparent manner criteria (requirements), means of verification and resulting statements on verification actual project activity against identified criteria.

The verification protocol serves the following purposes:

- It organises in a table form, details and clarifies the requirements, which the GS project is expected to meet GS requirements.
- It ensures a transparent verification process where the VVB will document how a particular requirement has been verified and the result of the verification.
- It ensures that the issues are accurately identified, formulated, discussed and concluded in the validation report.
- It ensures the determination of achieving credible emission reductions from the project activity.

The findings of verification process are summarized in the table below.

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

In Table FAR, shall reflect the forward actions initiated by the verification team if the monitoring and reporting require attention and/or adjustment for the next verification period.

The completed findings log for this project is enclosed in Appendix B to this report.

Findings during the verification can be interpreted as a non-compliance with CDM criteria or a risk to the compliance.

Corrective action requests (CARs) are raised, in case:

- Non-conformities with the monitoring plan or methodology are found in monitoring and reporting and has not been sufficiently documented by the project participants, or if the evidence provided to prove conformity is insufficient.
- Modifications to the implementation, operation and monitoring of the registered project activity has not been sufficiently documented by the project participants.
- Mistakes have been made in applying assumptions, data or calculations of emission reductions which will impair the estimate of emission reductions.
- Issues identified in a FAR during validation/previous verification(s) that are not been resolved by the project participant(s) to be verified during current verification.

Requests for clarification (CLs) are raised, if information is insufficient or not clear enough to determine whether the applicable CDM requirements have been met.

A forward action request (FAR) is raised during verification to highlight issues related to project implementation/monitoring that require review during the subsequent verification of the project activity. FARs shall not relate to the CDM requirements for issuance.

2.5 Internal quality control

The final verification report has passed a technical review before being submitted to the project participant. A technical reviewer qualified in accordance with CCIPL's qualification scheme for CDM validation and verification performed the technical review.

2.6 Verification Team

A competent team has been appointed by CCIPL in accordance with the Accreditation Standard and Carbon Check's internal procedures. The team is outlined below:

Verification Team			Role									
Full name	Affiliation	Appointed for Sectoral Scopes (Technical Areas)	Team leader	Acting/trainee Team Leader	Local Expert	Team Member (Auditor)	Technical Expert	Acting/Trainee Tech. Expert	Trainee Auditor	Technical Reviewer	Expert to TR	Trainee TR
Amit Anand	India	1.1,1.2,3.1,4.1,13.1,13.2	X				X					
Aparna Choudhary	India	1.2, 3.1		X								
Muhammet Ali Erduran	India	1.1, 1.2, 3.1, 13.1 & 13.2			X							
Indumathi	India	1.1, 1.2, 3.1, 13.1 &								X		

[illegible]

The team composition is linked to the methodology and local experience in the host country.

Amit Anand: Qualified lead assessor and internal technical reviewer for offset projects validations and verifications under CDM, VCS and Gold Standard (GS) and actively been involved in the validation and verification or internal technical review of more than 200 offset projects. He is qualified as technical expert for TA 1.2, 3.1, 8.1, 13.1 and 14.1 under CDM Sectoral Scope categorization. He has a professional experience of more than 12 years in various capacities with organizations like MITCON, TUV Rheinland, Deloitte and MGM International in the development and validation/verification of carbon offset projects under different market-based mechanism. He was also involved in validation and verification the following Gold Standard Projects: GS 1078, GS 976, GS 850, and GS 916 PoA (GS 1231 (VPA 01) GS 1029 (VPA 02), GS 1030(VPA 03), GS 1031(VPA 04).

Indumathi C: She is a qualified internal technical reviewer for validation and verification of GHG emission reduction projects under CDM, VCS and Gold Standard (GS). She is an appointed Team Leader and Technical Expert for technical areas TA 1.1, 1.2, 3.1, 13.1 & 13.2. She has more than 13 years of work experience in climate change mitigation, renewable energy, energy efficiency and energy access. She has worked with various Designated Operational Entities like TUV NORD, TUV Rheinland and 4KES for more than 250 GHG emission reduction projects under different carbon crediting mechanisms. She is a certified GHG Auditor and Energy Manager (Bureau of Energy Efficiency, Government of India).

Aparna Choudhary: Qualified Assessor and technical expert for offset projects validation and verification under CDM, VCS and Gold Standard (GS). She is qualified as a technical expert for TA 1.1. She was involved in more than 25 projects under CDM, VCS and Gold Standard (GS)

3. VERIFICATION FINDINGS

The findings of the verification are described in the following sections. The verification criteria (requirements), the means of verification and the results of verification are documented in detail in the verification protocol in Appendix B.

Application of materiality

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 in the quantification of emissions	Low	According to the monitoring plan and the Monitoring Report, there are QA/QC procedures applied for monitoring parameters and data management/information flow. Calculation spreadsheets are used to determine the emissions reductions. Further data collected are through calibrated meters and automated system.	Verification team of CCIPL has focused on assessment of the following: • Procedure of raw data collection/ monitoring procedures. • Data & information flow with a special focus on any material mistake • Calculation spreadsheets.

				- Procedures/QA/QC established to detect and correct any error or omission in monitoring parameters. - Quality control for monitored parameters and metering systems. Complete verification (100 % data) of all the monitoring records (measurement records, invoices and the calibration certificates) was done by the verification team and compared with the values indicated in the emission reduction spreadsheet. No risk identified.
2.	Information System: Use of spreadsheets without adequate controls related to data changes/updates, version tracking, traceability, security	Low	The data is recorded in the spreadsheets based on the raw data collected during the field visits. The access to the spreadsheets for calculation of ERs, GEF calculation sheet.	The identified risk was mitigated by reviewing the management of access to the records. It was confirmed through interviews that the raw data of electricity is collected by the trained personnel and then transmitted and stored electronically to the PP's office.
3.	Accuracy of the measuring equipment	Low	Check the calibration records for the electricity meter.	The identified risk was mitigated by checking the calibration certificates of the energy meters.

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 CO₂e per year; as such, a 2 per cent materiality threshold is applied /B01-a/. Accordingly, the materiality threshold is 1396.72tons of CO₂e. The materiality thresholds have been calculated in accordance with the § 326 (c) of CDM VVS for project activities, version 03.0 /B01-a/.

In line with Guidelines for Application of materiality in verifications, 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 the calibration certificates) was done by the verification team and compared with the values indicated in the emission reduction spread sheet.

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 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.

3.1 Project implementation

The implementation of the project activity /B16/:

Project Participants:	GTE KARBON SÜRDÜRÜLEBİLİR ENERJİ EĞİTİM DANIŞMANLIK VE TİC. AŞ (Project Developer)
Title of project activity:	CAMLICA II HEPP
GS registration No:	GS 1173
Applied Baseline and monitoring methodology:	ACM0002: "Grid-connected electricity generation from renewable sources" (version 13.0.0)
Project Scale:	Large Scale
Location of the project activity:	Located in Yahyali district, Kayseri Province, Turkey
Project's crediting period:	01/01/2015 – 31/12/2021
Reported monitoring Period verified in this verification:	01/06/2019 – 31/12/2021 (inclusive of both the dates)

As part of the site visit and interviews the verification team was able to confirm that the project implementation is in accordance with the project description contained in the registered PDD /B07/.

Project physical features (technology, project equipment, monitoring and metering equipment)	The project involves implementation and operation of 3 x (5.96 MWm/5.86Mwe) and turbine type is Francis and total installed power is 17.88 MWm/17.58 MWe in Camlica II HEPP. The implemented project is located on Zamanti river which is situated in the Kayseri province in Turkey. The purpose of the project is to utilize hydro power to generate electricity and to deliver it to the national grid of turkey. The electricity generated is transmitted to Camlica 1 substation. The project activity uses tail water from Camlica I regulator and HEPP which has an installed capacity of 84 MW and was operational since 1998. Verification team has checked that the Camlica I substation and found that there are two set (main and Spare) of meters installed at the substation. The first calibration is done on 03/05/2014, /05/ and as per the regulation on metering devices, the calibration of electricity is valid for 10 years- The GHG offset during this monitoring period are 69,836 tCO₂e. The electricity generation licence was provided to the project on the date 09/02/2011 while the project start date is considered as 01/05/2012 and the provisional acceptance of plant was completed on 02/05/2014 checked and confirmed by the verification team by reviewing commissioning certificates /11/ and electricity generation license/14/. Verification team confirms that all the turbines were operational during this monitoring period. The crediting period of the project starts from 01/01/2015. The project crediting period was initially decided to be between 02/05/2014 and 01/05/2021, but due to the incompleteness of works in start-up phase, the crediting period has been postponed to 01/01/2015 and last for 7 years. As per the validation report the expected operational lifetime of the project is 44 years. The verification team confirm that the project is implemented as per the registered PDD /B07/.
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	Apart from reduction in greenhouse gases, the project offering co-benefit to the community which have been verified through the review of relevant documents by the verification team. There is no change observed from the registered monitoring plan of the registered PDD /B07/.	
Any Project Design Change been sought and approved by EB for the project?	☐ Yes ☒ No	No change sought

The project activity was implemented, and components installed as described in the registered PDD /B07/. The verification team has also assessed the monitoring and impact on the sustainable development indicators by the project implementation and found to be appropriate as per the registered PDD /B07/.

3.2 The actual operation of the GS4GG project activity

Operation of the project activity is confirmed by site visit and document review by the verification team.

The Camlica II HEPP is developed by HGG Enerji Üretim A.Ş. The operation and maintenance of the project is being carried out internally by the team of the project participant, GTE KARBON SÜRDÜRÜLEBİLİR ENERJİ EĞİTİM DANIŞMANLIK VE TİC. AŞ. During the reported monitoring period, the CAMLICA II HEPP is operated as per the registered monitoring period and supplied 126,515 MWh of electricity to the grid. The supplied electricity is being measured continuously and recorded monthly by EPIAS. There are bi-directional meters (to measure the export and import of electricity) at Camlica I substation. The calibration is being done by TEIAS. The recorded electricity export and import is being recorded on monthly basis by the EPIAS from the meters and being shared with PO. Basis of this monthly recording, the invoices is raised, which is verified to cross the data of electricity export and import. Verification team based on interview with the representative of PO confirms that there was no major outage during the reported monitoring report. The actual values of ER achieved during this monitoring period is 46% lower than the estimated value in the approved PDD. As the difference in the achieved and estimated values of emission reduction is very high, but the difference is due to the natural decrease in the flow rate and therefore verification team finds the variation to be deemed acceptable. In summary, the operation of the project during the monitoring period is reasonable and is in accordance with the registered PDD.

3.3 Compliance of the monitoring plan with the monitoring methodology including applicable tool(s)

Verification Requirements	Criteria fulfilled	Assessment by the verification team
Any Revision in Monitoring plan is sought and approved by EB for the project?	☐ Yes ☒ No	No revision in Monitoring Plan is sought.

The verification team determined against all the information provided in MR, whether in-line with the applied monitoring methodology.

Verification Requirements	Criteria fulfilled	Assessment by the verification team
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Verification Requirements	Criteria fulfilled	Assessment by the verification team
Any Deviation been sought and approved by EB for the project?	☐ Yes ☒ No	No deviation has been sought
Is complete set of data for the specified monitoring period is available?	☒ Yes ☐ No	Complete set of data for the specified monitoring period i.e., 01/06/2019 to 31/12/2021 was provided by the PP, which was verified by the verification team and found to be appropriate.
Is the required information provided in the monitoring report has been cross-checked with other sources (ex – plant logbooks, inventories, purchase records, laboratory analysis)?	☒ Yes ☐ No	Verification team has verified the data submitted by PP during the site visit and interviews and document review. The main parameter (i.e., net electricity supplied by the project) based on which the ERs are accrued during this applied monitoring period and verified to be accurate by the verification team.
Is the calculation of baseline emissions and project activity emissions and leakage in accordance with the formulae and methods described in monitoring plan and the applied methodology?	☒ Yes ☐ No	The formulae and methods used in calculation of emission reduction are consistent with the registered PDD /B07/ and the applied CDM methodology /B03/.
Are all assumptions used for emission calculation have been justified?	☒ Yes ☐ No	All the assumptions used for emission calculation were justified in the MR and are in line with the requirements of the registered PDD /B07/.
Are appropriate emission factors, IPCC default values and other reference values have been correctly applied?	☒ Yes ☐ No	Ex-ante fixed value of emission factor has been taken in the calculation of ERs are cross verified from the registered PDD and found to be appropriate.
Does the monitoring methodology provide any provision of verification for parameters other than monitoring of GHG data and shall be specific to the applicability criteria of applied methodology?	☐ Yes ☒ No	The monitoring methodology does not provide any provision of verification for parameters other than monitoring of GHG data which is specific to the applicability of applied methodology

Based on above, the verification team confirms that the monitoring plan contained in the registered PDD /B07/ is appropriately followed in the monitoring report by the project activity and also in accordance with the applied approved monitoring methodology, i.e., “Applied baseline and monitoring methodology, ACM0002: “Grid-connected electricity generation from renewable sources”, version 13.0 /B03/.

During the verification all relevant monitoring parameters (as listed in the PDD) have been verified with regard to the appropriateness of the applied measurement / determination method, the correctness of the values applied for ER calculation /02/, the accuracy, and applied QA/QC measures.

3.4 Compliance of the Actual monitoring with monitoring plan in the PDD

Verification Requirements	Criteria fulfilled	Assessment by the verification team
Any Revision in Monitoring plan is	☐ Yes	No revision in Monitoring Plan is sought.

sought and approved by EB for the project?	☒ No	
Does the monitoring report provide line diagram showing all relevant monitoring points?	☒ Yes ☐ No	Line diagram for monitoring point has been cross checked during the interviews by the verification team.

The monitoring has been carried out in accordance with the monitoring plan contained in the registered PDD /B07/ and applied approved CDM methodology /B03/.

During the course of verification, all relevant monitoring parameters have been verified with regard to the appropriateness of the applied measurement / determination method and applied QA/QC procedures.

The verification team reviewed the monitoring plan in the PDD /B07/ and compared it against the requirements of the applied methodology /B03/ and confirms that appropriate provisions are included for the monitoring and reporting procedures, data management, and QA/QC procedures.

CC IPL confirms that the monitoring plan has been properly implemented by the PP in accordance with the registered PDD /B07/ and applied methodology.

3.5 Monitored parameters

The monitoring plan is done according to the applied methodology ACM0002 (version 13.0) and the applicable tools.

EX-Post Parameters

The monitored parameters of the project are in line with the approved revised PDD /B07/ and the applied CDM methodology /B03/. Brief descriptions of the monitored parameters are listed below:

Data / Parameter:	EG_{facility, y}				
Unit:	MWh/Year				
Description:	Net Electricity generated and delivered to the grid by the project in year y				
Measured/Calculated/Default:	Measured and calculated				
Verified Source of data:	The supplied electricity is being measured continuously and recorded monthly by EPIAS. There is one set (main and spare) bi-directional meter (to measure the export and import of electricity) at Camlica I substation. The electricity export and import are being recorded by EPIAS on monthly basis from the meters. Based on the recordings by EPIAS, invoices are raised. Verification team has reviewed all monthly recorded electricity exported and imported by the project/03/ Furthermore, the invoices/04/ are also verified to cross-check the data of electricity export and import.				
Value(s) of monitored parameter:	2019 (01/06/2019 to 31/12/2019): 29,475.23 MWh 2020 (01/01/2021 to 31/12/2021): 66,096.55 MWh 2021 (01/01/2021 to 31/12/2021): 30,943.95 MWh 126,515 MWh (for the entire monitoring report)				
Monitoring equipment:	<table border="1"> <tr> <td>Type</td><td>Electricity meter</td></tr> <tr> <td>Accuracy class</td><td>0.5</td></tr> </table>	Type	Electricity meter	Accuracy class	0.5
Type	Electricity meter				
Accuracy class	0.5				

	Calibration Dates Main meter Serial no: 4241381 Spare meter Serial no: 4241382 The calibration of the metering devices was on 03/05/2014 /05/ which is confirmed on the basis of the review of the first index report. Based on the regulation on the calibration of metering devices it is confirmed by the verification team that the calibration is valid till 10 years from the date of calibration. So, no other calibration is required during this monitoring period. Verification team based on the interviews during the site visit confirms that there is no change in either main or check meter during the reported monitoring period.
Measuring/ Reading/ Recording frequency:	Continuous measurement and at least monthly recording

Data / Parameter:	Cap _{PJ}
Unit:	W
Description:	Installed capacity of the hydro power plant after the implementation of the project activity
Measured/Calculated/Default:	Measured
Verified Source of data:	Project site, equipment agreements or project license.
Value(s) of monitored parameter:	17,580,000
Monitoring equipment:	NA
Measuring/ Reading/ Recording frequency:	Yearly, The same has been verified by the verification team during the site visit.

Data / Parameter:	A _{PJ}
Unit:	m ²
Description:	Area of the reservoir measured in the surface of the water, after the implementation of the project activity, when the reservoir is full
Measured/Calculated/Default:	Measured from satellite maps and using Google Earth/16/

Verified Source of data:	Project site
Value(s) of monitored parameter:	6,776 ¹
Monitoring equipment:	NA
Measuring/ Reading/ Recording frequency:	Yearly,

Ex-ante Parameters:

Parameter:	EGy,
Default values used:	462,796 GWh between 2009-2011
Purpose of data	Data used for emission reduction calculation (for calculation of OM, Net-to-Gross electricity ratio and share of low-cost must-run sources)
Source and Verification of the source	Gross generation electricity generated and delivered to the grid by all power sources serving the system, not including low-cost/must run power plants in year y Net generation and imported electricity.

Parameter:	EFCO ₂ , i, y i		
Default values used:	Fuel Source	EF (tCO ₂ /Tj)	
	Coal	89.5	
	Lignite	90.9	
	Fuel Oil	75.5	
	Diesel	72.6	
	LPG	61.6	
	Naphtha	69.3	
	Natural Gas	54.3	
Purpose of data	EF calculation		
Source and Verification of the source	For EF of fossil fuels, IPCC values at the lower limit have been used.		

Parameter:	NCV _{i,y}		
Default values used:	Fuel Source	Weighted Average for years 2009, 2010, 2011	
	Hard Coal	22.49	
	Lignite	6.94	
	Fuel Oil	40.25	
	Diesel	42.49	
	LPG	46.47	
	Naphtha	37.36	

¹ The annual measurement of A_{PJ} through satellite monitoring/16/ has been reviewed and is found to be appropriate.
 FM 4.9 Verification Report Template VVS GS N° CCIPL 1026/GS/VER/SWFP/20211020 21

	Natural Gas	37.22	
Purpose of data	Data used for OM and BM calculation		
Source and Verification of the source	TEIAS statistics		

Parameter:	CapBL
Default values used:	0
Purpose of data	Data used for PE calculation
Source and Verification of the source	Project site

Parameter:	ABL
Default values used:	0
Purpose of data	Data used for PE calculation
Source and Verification of the source	Project site

Parameter:	FCi,y				
Default values used:	Fuel Type(unit)	2009	2010	2011	Total
	Hard coal (Ton)	6,621,177	7,419,703	10,574,434	24,615,314
	Lignite (Ton)	63,620,518	56,689,392	61,507,310	181,817,220
	Fuel oil (Ton)	1,594,321	891,782	531,608	3,017,711
	Diesel oil (Ton)	180,857	20,354	15,047	216,258
	LPG (Ton)	111	0	0	111
	Naphtha (Ton)	8,077	13,140	0	21,217
	Natural gas (NG)	17,034,548	20,457,793	21,607,793	59,099,976
Purpose of data	Data used for OM calculation				
Source and Verification of the source	TEIAS Statistics				

Parameter:	ηm,y	
Default values used:	Fuel type	Generation efficiency
	Coal	39.0%
	Lignite	39.0%

	Fuel Oil	39.5%	
	Diesel	39.5%	
	LPG	39.5%	
	Naphtha	39.5%	
	Natural gas	60.0%	
Purpose of data	Data used for BM calculation		
Source and Verification of the source	Default efficiency factors for power plants of Tool to calculate the emission factor for an electricity system Version 03.0.0electricity.		

All the ex-ante parameters as mentioned in the MR are as per the registered PDD and correctly applied by the PD for emission reduction calculation.

In summary, the verification team confirms that all the ex-ante and ex-post parameters are monitored in accordance with the registered monitoring plan /B07/ and applied methodology /B03/. (Subject to closure of all the findings)

3.6 Monitoring responsibility

Verification team evaluated the management systems in place to implement the monitoring of the project activity.

The plant manager of the project company holds the overall responsibility for the monitoring process. The manager appoints a monitoring officer who is responsible for verification of the measurement, collection of electricity notes and the calculation of the emissions reductions. The monitoring officer prepares operational reports of the project activity, recording the daily operation of the power plant, including operating interval, power generation, power delivered to the grid, equipment defects, etc. Finally, the monitoring reports is reviewed by the manager.

Following the operational and management structure that the project participant implemented in order to monitor emission reductions generated by the project activity, indicating the responsibilities and institutional arrangements for data collection and archiving.

Carbon Check can confirm that the responsibilities and authorities for monitoring and reporting are appropriate and effective for the project type and hence in accordance with monitoring plant of the registered PDD and applied monitoring methodology.

3.6.1 Accuracy of equipment

The previous calibration had been performed on 03/05/2014/05/ which is confirmed on the basis of the review of the first index report. Based on the regulation on the calibration of metering devices it is confirmed by the verification team that the calibration is valid till 10 years from the date of calibration. So, no other calibration is required during this monitoring period. Verification team based on the interviews during the site visit confirms that there is no change in either main or check meter during the reported monitoring period

3.7 Deviation from and/or Revision of the registered monitoring plan

No deviation observed

3.8 Assessment of data and calculation of greenhouse gas emission reductions

The Project Proponent submitted all the relevant data and parameters required to be monitored to the verification team along with the monitoring report. All the parameters required to be monitored are as per the registered PDD /B07/ have been monitored and reported in the monitoring report. CCIPL reviewed the calculation worksheet /02/ for the emission reduction calculation for the monitoring period 01/06/2019 to 31/12/2021. CCIPL confirms that the formulas, conversions, aggregations and factors are consistent with the monitoring plan in the PDD. The reported data was checked as follows:

All the necessary data and all the parameters required to be monitored in the registered PDD /B07/ were reviewed to ensure accuracy.

The overall GHG reductions achieved by the project activity in year y are calculated as follows:

$$ER_y = BE_y - PE_y$$

3.8.1.1 Baseline emissions

Baseline emissions (BE_y) are calculated as follows:

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

Where:

Parameter	Description	Unit	Value
$EG_{PJ,y}$	Net electricity delivered to the grid by the project activity in year y excluding transmission losses of the grid.	MWh	126, 515
$EF_{grid,CM,y}$	Emission factor calculated according to selected methodology. Emission factor has been calculated ex-ante in PDD which is also used in calculating the baseline emissions.	tCO ₂ /MWh	0.552

Total verified Baseline emission (emission reduction) during the reported monitoring period (i.e., 01/06/2019 to 31/12/2021) is 69,836 tCO₂e.

3.8.1.2 Project emissions

According to the methodology ACM0002, the project emissions are not considered for hydro power plants with power density more than 10 W/m².

Power Density for the project is calculated as follows

$$PD = (Cap_{PJ} - Cap_{BL}) / (A_{PJ} - A_{BL})$$

Parameter	Description	Unit	Value
Cap_{PJ}	Installed capacity of the hydro power plant after the implementation of the project activity (W)	W	17,580,000
Cap_{BL}	Installed capacity of the hydro power plant before the implementation of the project activity. For new hydropower plants, this value is zero	W	0

A_{PJ}	Area of the reservoir measured in the surface of the water, after the implementation of the project activity, when the reservoir is full	m^2	6,776
A_{BL}	Area of the reservoir measured in the surface of the water, before the implementation of the project activity, when the reservoir is full. For new reservoirs, this value is zero.	m^2	0

Therefore, $PD = 17580000 / 6776$

$$= 2594 \text{ W / } m^2$$

Since the Power Density calculated is more than $10 \text{ W / } m^2$, Project Emissions is considered to be 0

3.8.1.3 Leakage emissions

As per ACM0002, no leakage emissions are considered. The main emissions potentially giving rise to leakage in the context of electric sector projects are emissions arising due to activities such as power plant construction and upstream emissions from fossil fuel use (e.g., extraction, processing, transport). These emissions sources are neglected.

3.9 Assessment of actual emission reductions with the estimate emission reductions in PDD

Estimated emission reductions in the PDD and actual emission reduction in the MR over the applied monitoring period was comprehensively assessed by the verification team, through documents review and Site visit.

The comparison of estimated/ex-ante value with monitored value of the parameters for emission reductions covering the applied monitoring period from 01/06/2019 to 31/12/2021:

Parameter	Ex-ante value	Monitored actual value	Change (Yes/No)	Conclusion
Emission Reduction	127,710 tCO ₂	69,836 tCO ₂ e	Yes	Difference in the actual GHG emission reductions achieved during this monitoring period, from estimated value in the registered PDD is very high. The actual value achieved during this monitoring period is 46% lower than the estimated value in the PP. This reduction is due to the decrease in the precipitation and worsening drought conditions in the region, which is crosschecked by reviewing the documents provided by the PP such as "Evaluation of aerial precipitation in 2021 and official data published by state hydraulic works provided by

				the PP. The flow rate date of the river at the region provide by DSI has been cross checked to verify the same and found that the flow rate was below the minimum in several months during the monitoring period as given in the section F of the MR.
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In summary, verification team confirms that the actual emission reduction is less than the estimate of the registered PDD for the current monitoring period.

Compliance with the sustainability monitoring plan

Sustainability monitoring plan in the transition annex is completely followed by the PP and the same is followed in the Monitoring report. No changes are found from the sustainability-monitoring plan of GS4GG transition annex /B08/. The same was assessed and verified by the verification team during the site visit.

All the non-neutral indicators were monitored and verified by the verification team, which were found to be in line with remote observation.

3.10 Monitoring of Gold Standard Sustainability Indicators

Relevant SDG Indicator/Safeguarding Principle	Data/Parameter to be monitored (if any)	Value obtained in this monitoring period	Reporting on monitoring process and assessment
13.2.1. Number of countries that have communicated the establishment or operationalization of an integrated policy/strategy/plan which increases their ability to adapt to the adverse impacts of climate change, and foster climate resilience and low greenhouse gas emissions development	Emissions Reductions in tCO ₂	Annual emission reduction in this monitoring period was 27,033 tCO ₂ while total emission reduction was 69,836 tCO ₂ .	The electricity generated is checked through the invoices generated by EPIAS/04/, the generation record provided by the PP/03/, the ER sheet /02/ and thus the emission reduction calculated in the MR is found to be correct. Based on review of above documents and interview, verification team confirms that the emission reduction has been monitored as referred in the

			GS4GG Transition annex /B08/.																																																							
	Air Quality	Total SO ₂ reduction in this monitoring period is calculated as 342.66 tons while NO _x reduction in this monitoring period is calculated as 145.1 tons. The detailed calculations are provided in the Excel spreadsheet/02/.	Verification team has reviewed the documents ER sheet and TEIAS statistics and GS4GG passport /B10/ confirms that the value provided is in compliance with the documents provided.																																																							
Principle 4.3.4 Release of pollutants	Water Quality and Quantity	<table border="1"> <thead> <tr> <th rowspan="2">Month</th><th colspan="3">Min. Flowrate (m³/s)</th></tr> <tr> <th>2019</th><th>2020</th><th>2021</th></tr> </thead> <tbody> <tr><td>January</td><td>2.54</td><td>2.28</td><td>2.57</td></tr> <tr><td>February</td><td>2.36</td><td>2.36</td><td>2.40</td></tr> <tr><td>March</td><td>3.65</td><td>3.98</td><td>3.57</td></tr> <tr><td>April</td><td>6.46</td><td>6.50</td><td>3.67</td></tr> <tr><td>May</td><td>5.90</td><td>5.89</td><td>1.66</td></tr> <tr><td>June</td><td>3.45</td><td>3.43</td><td>1.46</td></tr> <tr><td>July</td><td>2.29</td><td>2.28</td><td>1.42</td></tr> <tr><td>August</td><td>2.29</td><td>2.28</td><td>1.36</td></tr> <tr><td>September</td><td>2.28</td><td>2.28</td><td>1.79</td></tr> <tr><td>October</td><td>2.33</td><td>2.13</td><td>2.28</td></tr> <tr><td>November</td><td>2.28</td><td>1.97</td><td>-</td></tr> <tr><td>December</td><td>2.28</td><td>2.49</td><td>-</td></tr> </tbody> </table> According to the Hydrogeological and Hydrobiological Evaluation Report (2015) that was prepared on PP's request, suggested optimum minimum flows were determined as:: - 2,23 m3/sec for October, November, December, January, February, July, August, and September - 3,55 m3/sec for March - 6,26 m3/sec for April - 5,71m3/sec for May - 3,32 m3/sec for June13 According to the threshold values, the months including some days that the optimum minimum flow remained under limits are: 2020: October, November 2021: April, May, June, July, August, September	Month	Min. Flowrate (m ³ /s)			2019	2020	2021	January	2.54	2.28	2.57	February	2.36	2.36	2.40	March	3.65	3.98	3.57	April	6.46	6.50	3.67	May	5.90	5.89	1.66	June	3.45	3.43	1.46	July	2.29	2.28	1.42	August	2.29	2.28	1.36	September	2.28	2.28	1.79	October	2.33	2.13	2.28	November	2.28	1.97	-	December	2.28	2.49	-	Based on the review of the documents such as Hydrogeological and Hydrobiological Evaluation Report (2015) /06-a/, flow rate measurement documents for the year 2019/06-b/, 2020/06-c/ and 2021/06-d/ confirms that the values given by the PP are true and is in compliance with the documents mentioned above. It is found that 8 out of 31 months shows flow rate lesser than the minimum flow rate. The minimum flow rate has been suggested in the Hydrobiological and hydrogeological report and therefore there is no legal actions taken against Camlica II HEPP for not able to meet the minimum flow. The monitoring methodology for the parameter is evaluated as per the GS4GG passport version 07 dated 08/07/2015 and is found to be in
Month	Min. Flowrate (m ³ /s)																																																									
	2019	2020	2021																																																							
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			compliance with the same. /B10/. The VVB has reviewed the Hydrological and Hydrobiological evaluation report of Camlica II regulators and HEPP prepared in 2015, provided by the PP and has observed that the fish passage has been built to sustain the aquatic life (as given in the page number 94 and 95). The functionality and current situation of the fish passage and the aquatic life has been verified on the basis of the video evidence provided by the project representative.
Principle 4.3.4 Release of pollutants	Water Quality and Quantity	In this monitoring period, wastewater had been disposed of as required by the Law on Water Pollution Control.	It is confirmed that the Domestic wastewater generated is handled according to the national regulations /13-a/ and the same is confirmed upon evaluation of the wastewater disposal records/13-b/ provided by the PP.
Principle 4.3.5 Hazardous and Non-hazardous Waste	Other Pollutants	The waste oil generated at the site is collected by the disposal company that turbine company has an agreement. In 2019, 20 kg contaminated packages, 10 kg contaminated filter materials, cleaning cloths and protective gear and 1 kg of fluorescent lamps and other materials with mercury 2020 and 2021 records are not available yet.	The verification team has evaluated the agreement for the collection of waste oil /08/ and confirm that the amount of waste collected from is site is accurate and the monitoring methodology for the parameter is evaluated as per the GS4GG passport version 07 dated 08/07/2015 and is

			found to be in compliance with the same.
8.8.1 Frequency rates of fatal and non-fatal occupational injuries, by sex and migrant status	Quality of Employment	The staff was given H&S training during the monitoring period as shown in participation documents provided by the project owner. 12 people from the staff was given a 16-hour H&S training according to the documents provided.	The verification team has confirmed that the training was provided to 12 employees /09/ which is confirmed on the basis of the review of the certificated provided for the training which was conducted during 18-19/07/2019. The monitoring methodology for the parameter is evaluated as per the GS4GG passport version 07 dated 08/07/2015 and is found to be in compliance with the same.
8.5.1 Average hourly earnings of female and male employees, by occupation, age and persons with disabilities	Quantitative employment and income generation	12 people are employed among which 10 of them are local people.	On the basis of the review of the documents such as social security records/10-a/ and pay checks/10-b/ provided by the PP, the verification team confirms that 12 people were given employment during this monitoring period and 10 of them were local people which is confirmed upon crosschecking the address of these employees from the employment records. The monitoring methodology for the parameter is evaluated as per the GS4GG passport version 07 dated 08/07/2015 and is found to be in compliance with the same.

Apart from the above sustainability monitoring parameters, verification team of CCIPL has also confirms that a robust and effective grievance addressal mechanism is in place and the same was followed by the PO during the reported monitoring period :

3.11 Issues remaining from the previous verification period or during validation

This is the 3rd periodic verification of the project. There was a FAR raised during the 2nd periodic verification which is addressed below.

Finding	FAR 01
Classification	☐ CAR ☐ CL ☒ FAR
Description of finding (VVB)	VVB shall complete the actual ERs with estimation value and verify the reason causing big difference. In case the electricity generation is continuing > 10% less than ex ante estimation, VVB shall check whether original design is proper and how the income support the project operation.
Corrective Action or clarification #1 <i>(PP shall write a detailed and clear corrective action or further information for clarification as per finding)</i>	An explanation is added to Section B1.1 to MR. “The project had to become dependent on equity during some times during the time of less electricity generation period. This problem occurs for two reasons; the worsened water scarcity in the river and less water being released from the upstream, therefore much less electricity generation. The project has been able to support its operation with equity, however, the need for the income from GS VERs is crucial. The project design is proper, however, other power plants in the length of the river has impacted the electricity generation significantly. “
VVB Assessment #1 <i>The assessment shall encompass all open issues in the finding. In case of non-closure, additional corrective action and VVB assessments (#2, #3, etc.) shall be added.</i>	It has been observed that the actual electricity generation and emission reduction is 45% lower than the estimated over the monitoring period of 31 months and explanation for the same is updated by VBB in section B1.1 of MR. The VVB confirm that the reduction in the actual electricity generation is due to the reduced flow rate of the water and thus, the original design has not been altered. The same has been verified based on the review of the DSI flow rate measurement provided by the project representative and found that the flow rate was below the minimum for several months during the monitoring period. However, the flow rate is also affected by the release of water from the hydroelectric power plants situated upstream to the Camlica II regulators and HEPP. Moreover, PP has mentioned in the MR section B.1 that “The project had to become dependent on equity during some times during the time of less electricity generation period. This problem occurs for two reasons; the worsened water scarcity in the river and less water being released from the upstream, therefore much less electricity generation. The project has been able to support its operation with equity, however, the need for the income from GS VERs is crucial. The project design is proper,

	however, other power plants in the length of the river has impacted the electricity generation significantly”. Thus, the justification provided by the project representative is deemed to be acceptable by the VVB
Conclusion <i>Tick the appropriate checkbox</i>	☐ To be checked during the next periodic verification ☐ Outstanding finding (not closed) ☒ The finding is closed

3.12 Grievance mechanism implemented during this monitoring period and their resolution.

No grievance has been raised during this monitoring period. The logbook is kept at Yesilkov Neighbourhood village head's office and Camlica Neighbourhood village head's office. A mechanism for face-to-face communication with the project owner is also in place to address the ongoing grievances. Local stakeholders have been interviewed and the availability of the logbook and the grievances has been confirmed. The verification team confirms that no grievances have been raised during this monitoring period.

The project owner and manager of HGG Enerji Üretim A.Ş. Mr. Murat Müftüoğlu has confirmed that no legal contest or dispute have been arisen during the monitoring period. The same has been verified and confirmed by the VVB through interview and review of the signed declaration provided by the project representative /15/.

3.13 Quality and Management System Assurance

The project's management system was reviewed to determine the effectiveness of its implementation. The monitoring plan has clearly prescribed the management and operational procedures for monitoring, recording, data management, and training in accordance with the registered PDD /B07/. CCIPL verified the same through document reviews and site visit, the management system and quality assurance procedures and has found them to be appropriate and effective.

The verification team confirms that the management system of the project is in place; with the responsibilities properly identified and in place. The same was confirmed during the site visit and the verification team found it sufficient in order to achieve quality management system in place for this project type.

APPENDIX A

Certification statement for the Verification Report: CCIPL1009/GS/RCP-VER/CHP/20211001

Carbon Check India Private Ltd., the VVB, has performed the verification of the registered GS project activity "GS Registration Number GS1173, "CAMLICA II HEPP".

The project involves implementation and operation of 3 x (5.96 MWm/5.86Mwe) and turbine type is Francis and total installed power is 17.88 MWm/17.58 MWe in Camlica II HEPP. The baseline scenario for the project activity is grid connected electricity generation in the national Grid of Turkey, which is identical to the scenario existing prior to the start of implementation of the project activity. The project activity displaces electricity generation in the baseline.

The project participants are responsible for the collection of data in accordance with the monitoring plan and the reporting of GHG emissions reductions from the project. It is VVB's responsibility to express an independent verification statement on the reported GHG emission reductions from the project. The verification is carried out in-line with the VVS and Gold Standard requirements.

The verification was performed to identify the compliance of the project activity with implementation and monitoring requirements and to verify the actual amount of achieved emission reductions, through obtaining evidence and information during audit that included

- i) checking whether the provisions of the monitoring methodology and the monitoring plan were consistently and appropriately applied and
- ii) the collection of evidence supporting the reported data.

This statement covers verification period between 01/06/2019 - 31/12/2021 (including both the dates).

The VVB has raised 09 clarification and 04 corrective action requests.

The VVB considers it necessary to give reasonable assurance that reported GHG emission reductions were calculated correctly on the basis of the approved baseline and monitoring methodology and the monitoring plan in the registered PDD are fairly stated.

The VVB, hereby certifies that the project activity, achieved emission reductions by sources of GHG equal to GS VERs of 69,836 tCO₂e and all monitoring requirements have been fulfilled and is substantiated by an audit trail that contains evidence and records. Carbon Check is of the opinion that the project activity is in line with the Gold Standard principles and certifies VERs 69,836 tCO₂e

Year	Emission Reduction (GS VER's)
2019 (01/06/2019 to 31/12/2019)	16,270
2020 (01/01/2020 to 31/12/2020)	36,485
2021 (01/01/2021 to 31/12/2021)	17,081
Total	69,836

Verified value of project /baseline estimate and net benefit for each SDG Impact are as below:

SDG	SDG Impact	Baseline estimate	Project estimate	Net benefit
7	Affordable and Clean Energy	0 MWh	126,515MWh	126,515MWh

8	Decent Work and Economic Growth	No employment	12 employments (10 local employments.)	12 employments (10 local employments.)
13	Climate Action	69,836 tCO ₂	0 tCO ₂	69,836 tCO ₂

APPENDIX B: Clarification requests, corrective action requests and forward action requests

Finding	CL 01		
Classification	☐ CAR	☒ CL	☐ FAR
Description of finding (VVB)	On the basis of the review of the PDD version 10, dated 07/11/2019, verification team has found that the crediting period under this PDD starts from 01/01/2022 and last for 7 years. However, the monitoring period mentioned in this monitoring report does not come under this crediting period. PP is requested to clarify the discrepancy.		
Corrective Action or clarification #1 (PP shall write a detailed and clear corrective action or further information for clarification as per finding)	As has been verified in monitoring report version 06 dated 07/12/2017, "Crediting period of the project is 7 years between 01/01/2015 and 31/12/2021". Hence, this monitoring period (third) (01/06/2019 - 31/12/2021) falls under the crediting period (first) (01/01/2015 - 31/12/2021).		
VVB Assessment #1 The assessment shall encompass all open issues in the finding. In case of non-closure, additional corrective action and VVB assessments (#2, #3, etc.) shall be added.	The PP has clarified that the 3 rd monitoring period in which the report is prepared is from 01/06/2019 to 31/12/2021 and falls under the first crediting period of 01/01/2015 to 31/12/2021. The verification team confirms that the reference of the PDD given in the monitoring report version 1 is corrected and correctly mentioned in the revised monitoring report v.2		
/Conclusion Tick the appropriate checkbox	☐ To be checked during the next periodic verification ☐ Outstanding finding (not closed) ☒ The finding is closed		

Finding	CL 02		
Classification	☐ CAR	☒ CL	☐ FAR
Description of finding (VVB)	On the basis of the review of the PDD version 10, the verification team has found that the sustainable development goals given in section B.6.1 of the PDD version 10.0 is inconsistent with the "sustainable development contribution achieved" given in the MR, therefore PP is requested to clarify the same.		
Corrective Action or clarification #1	This is the third monitoring period in the first crediting period (01/01/2015 - 31/12/2021).		

(PP shall write a detailed and clear corrective action or further information for clarification as per finding)	Hence, the PDD dated 08/07/2015 v09 is the reference for this monitoring report.
VVB Assessment #1 <i>The assessment shall encompass all open issues in the finding. In case of non-closure, additional corrective action and VVB assessments (#2, #3, etc.) shall be added.</i>	On the basis of the review of the PDD V.09 dated 08/07/2015, the verification team has found that the reference to the SDGs mentioned in the monitoring report is not provided in the PDD therefore on the basis of the review of the Gold Standard Passport v.09 dated 08/07/2015, it is confirmed that the SDG parameters and the monitoring methodology is provided in this document, which is deemed to be acceptable.
Conclusion <i>Tick the appropriate checkbox</i>	☐ To be checked during the next periodic verification ☐ Outstanding finding (not closed) ☒ The finding is closed

Finding	CL 03		
Classification	☐ CAR	☒ CL	☐ FAR
Description of finding (VVB)	PP is requested to provide the commissioning certificate/ Provisional acceptance certificate of the Camlica II HEPP, since PP has mentioned that the provisional acceptance of the plant was completed on 02/05/2014 in section A.4 and B.2.3 of the MR. Moreover, PP is also requested to provide the commissioning certificate of Camlica I HEPP.		
Corrective Action or clarification #1 (PP shall write a detailed and clear corrective action or further information for clarification as per finding)	Commissioning certificate/ Provisional acceptance certificate of the Camlica II HEPP is provided. Commissioning certificate of Camlica I HEPP cannot be provided because Camlica I HEPP is owned by another company. The commissioning documents are not made public in Turkey, however, the commissioning dates can be obtained from the internet and list of power plants. Hence, commissioning certificate of Camlica I HEPP is irrelevant for this project.		
VVB Assessment #1 <i>The assessment shall encompass all open issues in the finding. In case of non-closure, additional corrective action and VVB assessments (#2, #3, etc.) shall be added.</i>	The requested document is provided by the PP and the verification team confirms that the commissioning date is consistent with the registered PDD, MR and commissioning certificate.		
Conclusion <i>Tick the appropriate checkbox</i>	☐ To be checked during the next periodic verification ☐ Outstanding finding (not closed)		

	☒ The finding is closed
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Finding	CL 04		
Classification	☐ CAR	☒ CL	☐ FAR
Description of finding (VVB)	On the basis of the review of the electricity generation license, the verification team has found that the annual electricity generated during this monitoring period is 46% less than the estimated annual electricity generation given in the license and the annual emission reduction is 46% less than the estimated annual emission reduction. PP is requested to clarify the considerable difference between the two.		
Corrective Action or clarification #1 <i>(PP shall write a detailed and clear corrective action or further information for clarification as per finding)</i>	The clarification and explanation are provided in section E.6.		
VVB Assessment #1 <i>The assessment shall encompass all open issues in the finding. In case of non-closure, additional corrective action and VVB assessments (#2, #3, etc.) shall be added.</i>	The verification team on the basis of the review of the documents provided by the PP as reference to the explanation given in the section E.6, confirms that the difference between the actual and estimated electricity generation and subsequent emission reduction is strictly due to the natural effects and the justification given by the PP is deemed to be acceptable.		
Conclusion <i>Tick the appropriate checkbox</i>	☐ To be checked during the next periodic verification ☐ Outstanding finding (not closed) ☒ The finding is closed		

Finding	CL 05		
Classification	☐ CAR	☒ CL	☐ FAR
Description of finding (VVB)	PP is requested to provide the details of the specified regulation regarding the calibration of the meter based on which it is stated "According to the related regulation on calibration of metering devices, next calibration will be done in 2024" under the section C of the MR.		
Corrective Action or clarification #1 <i>(PP shall write a detailed and clear corrective action or further information for clarification as per finding)</i>	Related regulation's name and weblink is provided in the MR.		
VVB Assessment #1 <i>The assessment shall encompass all open issues in the finding. In case of non-closure, additional corrective action and</i>	On the basis of the review of the revised MR, verification team has confirmed that the evidence to the regulation of the calibration frequency is provided as weblink in the MR and the frequency of the calibration of electricity meters is		

VVB assessments (#2, #3, etc.) shall be added.	in compliance with the regulation.
Conclusion Tick the appropriate checkbox	☐ To be checked during the next periodic verification ☐ Outstanding finding (not closed) ☒ The finding is closed

Finding	CL 06		
Classification	☐ CAR	☒ CL	☐ FAR
Description of finding (VVB)	The verification team on the basis of the ER sheet provided by the PP has observed that the electricity generation trend for the year 2020 is considerably higher with the electricity generation trend for the year 2021. Moreover the electricity generation in the month of June 2021 to December 2021 is found to be zero. Therefore, PP is requested to clarify the same.		
Corrective Action or clarification #1 (PP shall write a detailed and clear corrective action or further information for clarification as per finding)	The clarification and explanation are provided in section E.6. Electricity generation data for the month of June 2021 to December 2021 are now provided along with the EPIAS system screenshots.		
VVB Assessment #1 The assessment shall encompass all open issues in the finding. In case of non-closure, additional corrective action and VVB assessments (#2, #3, etc.) shall be added.	Verification team on the basis of the review of the revised MR confirms that the change in the electricity generation trend in 2020 and 2021 is strictly based on the natural variation in the precipitation and flow rate and is deemed to be acceptable. The verification team has observed that the PP has revised the ER sheet by adding the electricity generation data for the months from June to December and the Emission Reduction value has also been revised in the updated MR, however the PP is requested to clarify the discrepancy in the electricity exported in the month of October 2021. The discrepancy is found to be between the EPIAS electricity generation screenshots provided by PP and the ER sheet.		
Conclusion	☐ To be checked during the next periodic verification		

Tick the appropriate checkbox	☒ Outstanding finding (not closed) ☐ The finding is closed
Corrective Action or clarification #2	The discrepancy in the electricity exported in the month of October 2021 occurred due to a typo. EPIAS electricity generation screenshot belonging to October 2021 is provided again and the typo has been fixed. The discrepancy is no longer present.
VVB Assessment #2 <i>The assessment shall encompass all open issues in the finding. In case of non-closure, additional corrective action and VVB assessments (#2, #3, etc.) shall be added</i>	The verification team on the basis of the revised ER sheet confirms that the error occur has been corrected and the values given is in compliance with the EPIAS records.
Conclusion <i>Tick the appropriate checkbox</i>	☐ To be checked during the next periodic verification ☐ Outstanding finding (not closed) ☒ The finding is closed

Finding	CL 07		
Classification	☐ CAR	☒ CL	☐ FAR
Description of finding (VVB)	PP is requested to clarify the value given as "estimated annual generation under the parameter "EGfacility,y" in section D.2 of MR as the value "48,802" is found to be the actual annual electricity generation in the monitoring period Moreover, the weblink provided by the PP in this section is not accessible and therefore PP is requested to provide the relevant document/weblink regarding the EPDK regulation		
Corrective Action or clarification #1 <i>(PP shall write a detailed and clear corrective action or further information for clarification as per finding)</i>	Annual generation under the parameter "EGfacility,y" in section D.2 of MR is revised as "48,974". Accessible direct weblink is provided in the MR. Also, the link can be reached/downloaded under the name "Elektrik Piyasasında Kullanılacak Sayaçlar Hakkında Tebliğ" in the weblink below https://www.epdk.gov.tr/Detay/Icerik/23-2-3/mevzuat		
VVB Assessment #1 <i>The assessment shall encompass all open issues in the finding. In case of non-closure, additional corrective action and</i>	The verification team has observed that the MR has been updated with revised values in the section D.2 under the parameter EG _{facility,y} . However the		

VVB assessments (#2, #3, etc.) shall be added.	value “48,974” is the actual electricity generated per annum for this monitoring period and “126,516” is the total electricity generated during this monitoring period while it is mentioned that these values are estimated electricity generation. PP is requested to clarify this discrepancy.
Conclusion Tick the appropriate checkbox	☐ To be checked during the next periodic verification ☒ Outstanding finding (not closed) ☐ The finding is closed
Corrective Action or clarification #2	The discrepancy is clarified in section D.2. The sentence is corrected as „Actual annual electricity generation forming the basis for emission reduction calculation is 48,974 MWh/y in this monitoring period. The total amount is 126,516 MWh in this monitoring period.“.
VVB Assessment #2 The assessment shall encompass all open issues in the finding. In case of non-closure, additional corrective action and VVB assessments (#2, #3, etc.) shall be added	It has been observed that the PP has made necessary corrections and the value is mentioned appropriately in the section D.2 of the revised monitoring report.
Conclusion Tick the appropriate checkbox	☐ To be checked during the next periodic verification ☐ Outstanding finding (not closed) ☒ The finding is closed

Finding	CL 08		
Classification	☐ CAR	☒ CL	☐ FAR
Description of finding (VVB)	PP is requested to provide the necessary evidence for the value given under the parameter “Air Quality” in Section D.2 of the MR as the weblink provided in the excel sheet is not accessible.		
Corrective Action or clarification #1 (PP shall write a detailed and clear corrective action or further information for clarification as per finding)	The weblinks in the Excel spreadsheet are revised.		
VVB Assessment #1 The assessment shall encompass all open issues in the finding. In case of non-closure, additional corrective action and VVB assessments (#2, #3, etc.) shall be added.	The verification team has observed that the Weblink is provided in the excel sheet as evidence for the value under the parameter Air Quality, however the PP is requested to provide the reference for the SO2 and NOx emission values		

	PP is also requested to provide the following 1. The minimum flow letter revised by DSI and waste water disposal records for the parameter "Water quality and quantity" 2. The agreement for the collection of waste oil for the parameter "Other pollutants"
Conclusion <i>Tick the appropriate checkbox</i>	☐ To be checked during the next periodic verification ☒ Outstanding finding (not closed) ☐ The finding is closed
Corrective Action or clarification #2	The reference for the SO ₂ and NO _x emission values as well as electricity generation values of Turkey has been provided both in the MR and the ER Excel Sheet. 1. The minimum flow letter from DSI is provided. Hydrogeology and Hydrobioglogy Report is also provided. 2. Waste water disposal records for the parameter "Water quality and quantity" are provided. 3. Document about collection of waste oil for the parameter "Other pollutants" is provided.
VVB Assessment #2 <i>The assessment shall encompass all open issues in the finding. In case of non-closure, additional corrective action and VVB assessments (#2, #3, etc.) shall be added</i>	The verification team on the basis of the review of the abovementioned documents, confirms that all the documents are provided and the data provided in the monitoring report is in compliance with the documents provided,
Conclusion <i>Tick the appropriate checkbox</i>	☐ To be checked during the next periodic verification ☐ Outstanding finding (not closed) ☒ The finding is closed

Finding	CL 09		
Classification	☐ CAR	☒ CL	☐ FAR
Description of finding (VVB)	PP is requested to clear the discrepancy in the unit given for CAP _{PJ} in section E.2, page no 29 of the MR with respect to the PDD.		
Corrective Action or clarification #1 (PP shall write a detailed and clear corrective action or further)	Discrepancy is cleared as the correct unit is "W" and the value is 17,580,000 W.		

information for clarification as per finding)	
VVB Assessment #1 <i>The assessment shall encompass all open issues in the finding. In case of non-closure, additional corrective action and VVB assessments (#2, #3, etc.) shall be added.</i>	The verification team on the basis of the review of the revised MR confirm that the appropriate corrects has been, made and the unit for CAP _{PJ} is correctly mentioned.
Conclusion <i>Tick the appropriate checkbox</i>	☐ To be checked during the next periodic verification ☐ Outstanding finding (not closed) ☒ The finding is closed

Finding	CAR 01		
Classification	☒ CAR	☐ CL	☐ FAR
Description of finding (VVB)	The verification team has observed that the content section given in the title page of the monitoring report is not in compliance with the GS4GG monitoring report template. PP is requested to make necessary corrections.		
Corrective Action or clarification #1 <i>(PP shall write a detailed and clear corrective action or further information for clarification as per finding)</i>	Content section given in the title page of the monitoring report is revised and now in compliance with the GS4GG monitoring report template.		
VVB Assessment #1 <i>The assessment shall encompass all open issues in the finding. In case of non-closure, additional corrective action and VVB assessments (#2, #3, etc.) shall be added.</i>	The verification team on the basis of the review of the revised MR confirm that the corrections have been made and the MR is in compliance with the GS4GG MR template v.1.1		
Conclusion <i>Tick the appropriate checkbox</i>	☐ To be checked during the next periodic verification ☐ Outstanding finding (not closed) ☒ The finding is closed		

Finding	CAR 02		
Classification	☒ CAR	☐ CL	☐ FAR
Description of finding (VVB)	The verification team has found that in the serial no "4241281" of meter given in the section C is inconsistent with the first index protocol provided and the photographic evidence provided by the PP. therefore PP is requested to make necessary changes.		
Corrective Action or clarification #1 <i>(PP shall write a detailed and clear corrective action or further</i>	The serial no is revised according to the first index protocol.		

information for clarification as per finding)	
VVB Assessment #1 <i>The assessment shall encompass all open issues in the finding. In case of non-closure, additional corrective action and VVB assessments (#2, #3, etc.) shall be added.</i>	The verification team on the basis of the review of the revised MR confirm that the corrections have been made and the serial no of the electricity meter is correctly mentioned in section C of the MR and is consistent with the first index protocol provided by the PP
Conclusion <i>Tick the appropriate checkbox</i>	☐ To be checked during the next periodic verification ☐ Outstanding finding (not closed) ☒ The finding is closed

Finding	CAR 03		
Classification	☒ CAR	☐ CL	☐ FAR
Description of finding (VVB)	The information given in the figure 4 of section C of MR is unclear as some information is concealed by the box given above the image. PP is requested to make necessary corrections		
Corrective Action or clarification #1 <i>(PP shall write a detailed and clear corrective action or further information for clarification as per finding)</i>	The figure is revised.		
VVB Assessment #1 <i>The assessment shall encompass all open issues in the finding. In case of non-closure, additional corrective action and VVB assessments (#2, #3, etc.) shall be added.</i>	The verification team on the basis of the review of the revised MR confirm that the corrections have been made and the revised figure is transparent to the information provided.		
Conclusion <i>Tick the appropriate checkbox</i>	☐ To be checked during the next periodic verification ☐ Outstanding finding (not closed) ☒ The finding is closed		

Finding	CAR 04		
Classification	☒ CAR	☐ CL	☐ FAR
Description of finding (VVB)	In section D.2, under the parameter "Emission Reductions in tCO ₂ ", the value applied given is annual emission reduction of 31, 206 tCO ₂ and total emission reduction of 62,412 tCO ₂ . However the verification team has observed that the value given for total emission reduction is 69,590 tCO ₂ and annual emission reduction is 26,938 tCO ₂ throughout the MR, therefore		

	PP is requested to make necessary corrections.
Corrective Action or clarification #1 <i>(PP shall write a detailed and clear corrective action or further information for clarification as per finding)</i>	Annual emission reduction in this monitoring period was 27,033 tCO ₂ while total emission reduction was 69,836 tCO ₂ . Since, estimated annual generation forming the basis for emission reduction calculation is 48,974 MWh/y in this monitoring period while the total amount is 126,516 MWh. ER sheet is revised as well.
VVB Assessment #1 <i>The assessment shall encompass all open issues in the finding. In case of non-closure, additional corrective action and VVB assessments (#2, #3, etc.) shall be added.</i>	The verification team on the basis of the review of the revised MR confirm that the corrections have been made and the values given in the Section D.2 under the parameter "Emission reduction in tCO ₂ is consistent with the ER sheet provided
Conclusion <i>Tick the appropriate checkbox</i>	☐ To be checked during the next periodic verification ☐ Outstanding finding (not closed) ☒ The finding is closed

APPENDIX C: Competence of team members and technical reviewers


Carbon
 CHECK

Carbon Check (India) Private Limited

Certificate of Competency

Mr. Amit Anand

has been qualified as per CCIPL's internal qualification procedures in accordance with the requirements of CDM AS (V7.0), ISO/IEC 14065:2020, ISO/IEC 17029:2019 and other applicable GHG programs:

for the following functions and requirements:

☒ Validator	☒ Verifier	☒ Team Leader	☒ Technical Expert
☒ Technical Reviewer	☐ Health Expert	☐ Gender Expert	☐ Plastic Waste Expert
☒ SDG+	☒ Social no-harm(S+)	☒ Environment no-harm(E+)	☒ CCB Expert
☒ Financial Expert	☐ Local Expert for India and South Africa		

in the following Technical Areas:

☒ TA 1.1	☒ TA 1.2	☐ TA 2.1	☒ TA 3.1	☐ TA 4.1
☐ TA 4. n	☐ TA 5.1	☐ TA 5.2	☒ TA 7.1	☒ TA 8.1
☐ TA 9.1	☐ TA 9.2	☐ TA 10.1	☒ TA 13.1	☒ TA 13.2
☒ TA 14.1	☒ TA 15.1			

Issue Date

1st January 2023

Expiry Date

31st December 2023


Mr. Vikash Kumar Singh
Compliance Officer

CCIPL_FM 7.0 Certificate of Competency_V2.1_012023



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/IEC 14065:2020, ISO/IEC 17029:2019 and other applicable GHG programs:

for the following functions and requirements:

- | | | | |
|---|--|---|--|
| ☒ Validator | ☒ Verifier | ☒ Team Leader | ☒ Technical Expert |
| ☐ Technical Reviewer | ☐ Health Expert | ☐ Gender Expert | ☐ Plastic Waste Expert |
| ☒ SDG+ | ☒ Social no-harm(S+) | ☒ Environment no-harm(E+) | ☐ CCB Expert |
| ☐ Financial Expert | ☒ Local Expert for India | | |

in the following Technical Areas:

- | | | | | |
|----------------------------------|--|----------------------------------|--|----------------------------------|
| ☐ TA 1.1 | ☒ TA 1.2 | ☐ TA 2.1 | ☒ TA 3.1 | ☐ TA 4.1 |
| ☐ TA 4. n | ☐ TA 5.1 | ☐ TA 5.2 | ☐ TA 7.1 | ☐ TA 8.1 |
| ☐ TA 9.1 | ☐ TA 9.2 | ☐ TA 10.1 | ☐ TA 13.1 | ☐ TA 13.2 |
| ☐ TA 14.1 | ☐ TA 15.1 | | | |

Issue Date

1st January 2023

Expiry Date

31st December 2023



Mr. Vikash Kumar Singh
Compliance Officer



Mr. Amit Anand
CEO

CCIPL_FM 7.9 Certificate of Competency_V2.1_012023



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:

- | | | | |
|--|--|---|--|
| ☒ Validator | ☒ Verifier | ☒ Team Leader | ☒ Technical Expert |
| ☒ Technical Reviewer | ☐ Health Expert | ☐ Gender Expert | ☐ Plastic Waste Expert |
| ☒ SDG+ | ☒ Social no-harm(S+) | ☒ Environment no-harm(E+) | ☐ CCB Expert |
| ☒ Financial Expert | ☒ Local Expert for India and Sri Lanka | | |

in the following Technical Areas:

- | | | | | |
|--|--|----------------------------------|---|---|
| ☒ TA 1.1 | ☒ TA 1.2 | ☐ TA 2.1 | ☒ TA 3.1 | ☐ TA 4.1 |
| ☐ TA 4. n | ☐ TA 5.1 | ☐ TA 5.2 | ☐ TA 7.1 | ☐ TA 8.1 |
| ☐ TA 9.1 | ☐ TA 9.2 | ☐ TA 10.1 | ☒ TA 13.1 | ☒ TA 13.2 |
| ☐ TA 14.1 | ☐ TA 15.1 | | | |

Issue Date

1st January 2023

Expiry Date

31st December 2023


 Mr. Vikash Kumar Singh
 Compliance Officer


 Mr. Amit Anand
 CEO

CCIPL_FM 7.9 Certificate of Competency_V2.1_012023