VERIFICATION REPORT

YAZI 1.13 MW HEPP

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Summary:

- *A brief description of the verification and the project*

Verification: *Carbon Check (India) Private Ltd. has been contracted by, "Elestas Elektrik Üretim A.S." to undertake first verification and certification for the greenhouse gas (GHG) emission reductions reported from 'Yazi 1.13 MW HEPP' VCS ID 583, for the monitoring period 02-October-2009 to 30-September-2019, under the crediting period 02-October-2009 to 01-October-2019 (both days included). Veera allowed 10 years of monitoring period for this 1st verification according to Veera letter dated 31 January 2022 to GTE. The monitoring period is ended on 30-September-2019 instead of 01-October-2019 for simplification purpose, as end of month of electricity generation records ended on date of month end, hence calculations of ER is leisurelier in this approach. The same is accepted by verification team. The verification is based on the desk review of the Monitoring report /01/, VCS PD & the corresponding validation report, supporting emission reduction calculation spread sheets /02/ and other relevant supporting documents made available to the verification team by the project proponent accompanied by remote interviews. In line with the relevant requirements of VCS Standard Version 4.3.*

Project: *Yazi 1.13 MW HEPP which is a runoff river dam based hydro power plant is constructed on the at the downstream of the „Guldurcek Dam" built on the Devres stream, which is one of the branches of the Kizilirmak River inside the boundaries of the province of Cankiri.in Turkey, with a total capacity of 1.135 MW_m/ 1.062 MW_e. The hydro plant is converting the potential energy of the water into electricity by means of single turbine 1.135 MWm/ 1.062 MWe capacity with total installed capacity of 1.135 MW_m/ 1.062 MW_e. The electricity generated is sold to the Turkish National Electricity Grid. The project activity is a non-grouped project which employs VCS methodology; AMS.I.D. Version 15.*

The project activity has been operational since commissioning (02-October-2009) and during the first monitoring period i.e., from 02-October-2009 to 30-September-2019, it has generated 35,198 MWh net electricity, thereby resulting in emission reduction of 19,113 tCO_2e. The monitoring period subject to this monitoring report is inclusive of first and last day of period.

- *The purpose and scope of verification*

  Purpose: *The purpose of the verification is to review the monitoring results and verify that monitoring methodology was implemented according to monitoring plan and monitoring data, used to confirm the reductions in anthropogenic emissions by sources is sufficient, definitive, and presented in a concise and transparent manner. In particular, monitoring plan, monitoring report and the project's compliance with relevant VCS, UNFCCC and host party criteria are verified in order to confirm that the project has been implemented in accordance with previously registered design and conservative assumptions, as documented.*

  Scope: *The scope of the verification is:*

  - *To verify the project implementation and operation with respect to the registered VCS PD.*
  - *To verify the implemented monitoring plan with the registered VCS PD and applied baseline and monitoring methodology.*
  - *To verify that the actual monitoring systems and procedures follow 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 is sufficiently supported by evidence. The verification shall ensure that the reported emission reductions are complete and accurate to be certified.*

- *The method and criteria used for verification*

(a) Desk review, involving:

(i) Review of the data and information presented to verify their completeness.

(ii) Review of the monitoring plan and monitoring methodology, paying particular attention to the frequency of measurements, the quality of metering equipment including calibration requirements, and the quality assurance

and quality control procedures.

(iii) Evaluation of data management and the quality assurance and quality control system in the context of their influence on the generation and reporting of emission reductions.

(b) Remote assessment involving:

(i) Assessment of the implementation and operation of the proposed VCS project activity as per the registered VCS PD.

(ii) Review of information flows for generating, aggregating, and reporting the monitoring parameters.

(iii) Interview with relevant personnel to confirm that the operational and data collection procedures are implemented in accordance with the monitoring plan in the VCS PD.

(iv) A cross-check between information provided in the monitoring report and data from other sources such as 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 VCS PD and the selected methodology.

(vi) Review of calculations and assumptions made in determining the GHG data and emission reductions.
(vii) 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.

- *The number of findings raised during verification*

A risk-based approach has been followed to perform this verification. During the course of verification, total of 07 findings were raised, which includes:

07 Corrective Action Request (CAR); 00 Clarification Requests (CLs); 0 Forward Action requests (FARs).

All the raised findings are resolved by the PP.

- *Any uncertainties associated with the verification*

The VCS MR /01/, emissions reduction calculations /02/ along with the supporting documents provided are considered to be in line with all the VCS requirements /B01/. The verification team has detected no further uncertainties or quality restriction.

- *Summary of the verification conclusion*

In CCIPL's opinion, the emission reductions reported for the "Yazi 1.13 MW HEPP" in the monitoring report are checked. CCIPL is therefore able to certify that the emission reductions from the "Yazi 1.13 MW HEPP" during the first monitoring period, from 02-October-2009 to 30-September-2019, is achieved emission reduction of 19,113 tCO_2 equivalent.

CCIPL does not assume any responsibility towards the issuance and utilization of VCUs hereby verified and certified. Request for issuance of VCUs shall be made by the project proponent to an approved VCS Program Registry based on the requirements set out under the most recent version of the VCS Program Guidelines clause on VCS Registration. The verification of reported emission reductions is based on the information made available to CCIPL and the engagement conditions detailed in this report. Hence, CCIPL cannot be held liable by any party for decisions made or not made based on this report.

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1 INTRODUCTION

1.1 Objective

Carbon Check (India) Private Ltd. has been contracted by, "ELESTAS ELEKTRIK URETIM A.S" to undertake first verification and certification for the greenhouse gas (GHG) emission reductions reported for 'Yazi 1.13 MW HEPP' VCS ID 583 for the monitoring period 02-October-2009 to 30-September-2019 (including both days), under the crediting period of 10 years 02-October-2009 to 01-October-2019 (including both days), as per monitoring report version 1.03 dated 08/12/2022 /01/, with regard to the relevant requirements of VCS Standard Version 4.3. The VCS projects must undergo an independent third-party verification and certification of emission reductions as the basis for issuance of Voluntary Emission Reductions (VERs). Through the verification activities, it is to be confirmed that:

- *The project is implemented as described in the VCS Project Description document;*
- *The monitoring system is implemented and fully functional to generate emission reductions without any double counting, and*
- *The data reported are accurate, complete, consistent, transparent, and free of material error or omission by checking the monitoring records and the emissions reductions calculation.*

The verification followed the requirements of the current version of the VCS Standard Version 4.3 and VCS program guide (version 4.2) /B01/ to ensure the quality and consistency of the verification work and the report.

1.2 Scope and Criteria

The verification of this project is based on the Monitoring Report /01/ of this monitoring period, registered VCS PD /B04/, the Emission reduction calculation spreadsheet /02/, supporting documents made available to the verifier and information collected through performing remote interviews. Furthermore, publicly available information was considered as far as available and required.

CCIPL has employed a risk-based approach in the verification, focusing on the identification of significant risks and reliability of project monitoring and generation of emission reductions.

The verification is carried out on basis of the following requirements, applicable for this project activity:

- *VCS Standard (v4.3) /B01/*
- *VCS Program Guide (v4.2) /B01/*
- *VCS Methodology: AMS-I.D. "Grid connected renewable electricity generation" Version 15 ." /B02/.*
- *Other relevant rules, including the host country legislation*

The scope of this verification, by independent checking of objective evidence, is as follows:

- *To verify that the project is implemented as described in the registered VCS PD /B04/.*
- *To assess the project's compliance with other relevant rules including the host country legislation.*
- *To confirm that the monitoring system is implemented and fully functional to generate voluntary emission reductions without any double counting.*
- *To establish that the data reported are accurate, complete, consistent, transparent, and free of material error or omission by checking the monitoring records and the emissions reduction calculation.*
- *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 is sufficiently supported by evidence.*
- *The verification shall ensure that the reported emission reductions are complete and accurate in order to be certified.*

The method and criteria used for verification consisted of the following phases:

1. *Completeness check and desk review;*
2. *Remote interviews with stakeholders;*
3. *Resolution of outstanding issues and issuance of final verification report and applicable VCS Validation and Verification Deeds of Representation.*

CCIPL conducts all its work under strict rules to safeguard impartiality and ensure the independence of the verification team. The verification team does not provide any consulting or recommendations for the client. However, stated requests for clarifications and/or corrective actions may provide input for improvement of the monitoring activities.

1.3 Level of Assurance

The verification report is based on the Monitoring report /01/, registered VCS PD /B04/, supporting documents made available to the CCIPL, and information collected through performing interviews.

The verification has been planned and organised to achieve a:

☒ Reasonable level of assurance as per VCS Standard (v4.3)

☐ Limited level of assurance

1.4 Summary Description of the Project

Project activity is the operation of 1.135 MW_m/ 1.062 MW_e hydro power plant (HPP) located at the downstream of the Guldurcek Dam built on Devres stream Orta district in the west part of Cankiri province in the Central Anatolian Regionin Turkey. The installed capacity one Gebbert Francis horizontal shaft turbine of 1.135 MWm/ 1.062 MWe capacity with total installed capacity of 1.135 MW_m/ 1.062 MW_e. The same technical information is confirmed by verification team during remote video site visit with pp. The project activity involves electricity generation using potential energy of the water and supply generated electricity to the Turkish National Electricity Grid. The project displaces the electricity produced by fossil fuel-based power plants, by using clean renewable source to generate electricity and thereby contributes to sustainable development through reduction in greenhouse gas (GHG) emissions.

During off-site visit interview it could be confirmed that the project has been implemented in accordance with the description provided in the PD and MR. It has not been any changed or modified on the project content and details as per Electricity production license number of EMRA of License dated 31/08/2006 /07/ also shared to CCIPL team by PP. The Manager of the HPP also showed the Units of the field and HPP via Video Calling during remote site visit.

During remote interviews it has been confirmed by the operation manager (Mr. Mahmut) of the Hydro Power Plant (HPP), that the electricity produced by Yazi HEPP is connecting to the Turkish National Power Grid via one of Transformer Substations via 18 km long 33 kV transmission line. The potential energy of a unit charge at the collection line towards the switch gear area is 0.69 kV, and from there to substation alternatives it is 33 kV. The project Activity is connected to the National Grid which is operated by BAŞKENT EDAŞ . The Substation belongs to HPP and is located

inside HPP Field. The meters of the power plant are located in the Yazi HPP powerhouse. The meters are read by TEİAŞ with the Remote Reading System OSOS and reported to the EPİAŞ institution. The SCADA system of Power Plant is controlled from the Monitoring Room.

The project proponent for the project activity is Elestas Elektrik Uretim A.S , owns the rights to VERs. The project activity start date is 02-October-2009 . The same was confirmed through Commissioning document (Provisional Acceptance Letter) /08/.

The first monitoring period (02-October-2009 to 30-September-2019) considered for verification falls under this first crediting period of the project activity (02-October-2009 to 01-October-2019).

During the remote audit inspection, location (as mentioned in Table, section 1.7 of MR) and all the technical aspects of the project activity (equipment, serial no., type, date of calibration etc.) mentioned in the PD have been verified. The same was also crosschecked during the desk review of technical specifications, Single line diagram and meter location, Provisional acceptance letter, review of data during remote audit and calibration certificates for meters.

It was also confirmed (through remote interviews) that the project activity has been operational since commissioning (02-October-2009) and during the first monitoring period i.e., from 02-October-2009 to 30-September-2019, it has generated 35,198 MWh net electricity, thereby resulting in emission reduction of 19,113 tCO_2e.

The project activity has been implemented as described in the registered VCS PD/B04/ in particular sections 1.1, 1.8, 1.13, 2.2, 4.1, 4.2 and 4.3 of the VCS PD.

2 VERIFICATION PROCESS

2.1 Method and Criteria

The method and criteria used for verification:

The verification consists of the following three phases:

1. *Completeness check and desk review of the validation report, monitoring plan, monitoring report, monitoring methodology, VCS PD /B04/, applicable tools in particular attention to the frequency of measurements, quality of metering equipment including calibration requirements, QA/QC procedures and other relevant documents;*

2. *Remote interviews (including follow-up interviews with project stakeholders, when deemed necessary). The remote interviews include the following:*

   - *An assignment of implementation and operation of project activity with respect to validated VCS PD /B04/*
   - *Review of information flows for generating, aggregating, and reporting the monitoring parameters;*
   - *Remote Interview with relevant personals to determine whether the operational and data collection procedures are implemented and in accordance with the monitoring plan of the validated VCS PD,*
   - *Cross check of information and data provided in the monitoring report with purchase records or similar data sources;*
   - *Review of calculation of the emission reductions;*
   - *Implementation of QA/QC procedure in-line with the VCS PD and methodology requirements.*

3. *Resolution of outstanding issues and the issuance of the final Verification report and as applicable the VCS Verification Deed of Representation.*

CCIPL follows a risk-based verification approach, wherein a desk review of the project documentation is undertaken, which is followed by a remote audit by the members of verification team. The verification protocol is filled by the verification team that is based on standard auditing practices and VCS requirements. The verification protocol provides transparent means to record the observations by the verification team members and the non- conformities, if any. The verification protocol is an internal document, and available on request.

2.2 Document Review

During the document review, CCIPL has applied standard auditing techniques to assess the quality of information provided. The verification was performed primarily based on the review of the monitoring report /01/and the supporting documentation /02/ to /29/. This process included:

- *A review of data and information presented by the PP to verify their completeness*
- *A review of the MP and monitoring methodology, paying particular attention to the frequency of measurements, the quality of metering equipment including calibration requirements, and the QA/QC procedures, and*
- *An evaluation of data management and the QA/QC system in the context of their influence on the generation and reporting of VERs.*

The monitoring report (version 1.01 dated 16/05/2022) /01/ was initially reviewed and CCIPL requested the PP to present the supporting information and documents. The documents were reviewed by CCIPL. Through the process of the verification, the revised monitoring report /01/ and the supporting documents were evaluated to confirm the actions taken by the PP to the CARs and CLs issued by the verification team.

The list of documents referred during this verification has been provided in Appendix-1.

2.3 Interviews

The table below describes the remote interview process and further identifies personnel, including their roles, who were interviewed and/or provided information additional to that provided in the project description, Monitoring report /01/ and any supporting documents.

SN	Date	Name	Organisation	Topic	Persons Interviewed
/1/	03/06/2022	Mahmut Denizhan	ELESTAS ELEKTRIK URETIM A.S – Chief Project Manager	• Project Design • Project Implementation status • Project start date and Project Location • Baseline Scenario	Dinesh Mane & Muhammet Ali Erduran

				• *Baseline Identification and Additionality* • *Compliance with relevant laws* • *Roles and responsibility* • *Qualification and Training* • *Monitoring and reporting documentation* • *Quality Assurance – Management and operating system* • *Social and Environmental Impacts* • *Local Stakeholders meeting process* • *Compliance with relevant laws*	
/2/	*03/06/2022*	*Cemil Aksoy*	*Villager (Tutmacci Bayindir Village)*	• *Social and Environmental Impacts* • *Local Stakeholders meeting process* • *Continuous Grievance mechanism*	*Dinesh Mane & Muhammet Ali Erduran*

/3/	03/06/2022	Irmak Subasi	Project Carbon Consultant - GTE KARBON SÜRDÜRÜLEBİLİR ENERJİ EĞİTİM DANIŞMANLIK VE TİC. AŞ	• Emission reduction calculations • Monitoring report	Dinesh Mane & Muhammet Ali Erduran

2.4 Site Inspections

As a result of the COVID-19 pandemic, taking into account the rules of relevant national and local authorities (local to the VVB offices as well as to locality of the site visits), World Health Organization (WHO) recommendations, policies of the VVB, email clarification for Verra guidance on site visits, notification of Covid-19 Travel Guidance for Projects https://verra.org/covid-19-travel-guidance/ and other relevant travel restrictions and guidance (for example, a requirement to self-isolate upon return from specific countries), the VVB has skipped the on-site visit. The on-site inspection can-not be postponed due to verification timeline agreed in between the Project Participant and the VVB as per the verification contract.

Therefore, where a VVB can achieve a reasonable level of assurance without conducting a site visit, or through a remote site visit, this is in conformance with the VCS rules, and no request for an exemption or pre-approval from Verra is required. However, where a validation/verification has been conducted without a site visit, or through a remote site visit, please ensure that the applicable section of the verification report includes a discussion of how a reasonable level of assurance was achieved without an in-person site visit".

Accordingly, Carbon Check has not conducted an on-site inspection. A reasonable level of assurance has been maintained through the alternative means used for the purpose of verification as follows:

1) *An assessment of the implementation and operation of the project activity as per the registered VCS PD /B04/*

2) *A review of information aggregating and reporting of the monitoring parameters*

3) *Interviews with relevant personnel to confirm that the operational and data collection procedures are implemented in accordance with the MP (section 2.3 above)*

4) *A cross-check between product sales information provided in the MR /01/ and data from other sources (section 2.3 above).*

5) *A check of the monitoring equipment including calibration performance, and observations of monitoring practices against the requirements of the VCS PD and the applied monitoring methodologies /B02/*

6) *A review of calculations and assumptions made in determining the GHG data and ERs /02/, and*

7) *An identification of QA/QC procedures in place to prevent, or identify and correct, any errors or omissions in the reported monitoring parameters*

The verification team carried out remote interviews with representatives of PP to assess the information included in the project documentation and to gain additional information regarding the compliance of the project with the relevant criteria applicable for the VCS.

Hence, the VVB has used other standard auditing techniques for validation or verification as referred to in VCS Rules/requirements, VCS Validation and Verification Manual version 3.2.

- *Verification team has performed google meet interview with PP to check implementation, project boundary, current situation, monitoring and metering equipment, monitoring procedures, calibration etc.*
- *Cross-check evaluation, for information received from interviews, under the scope of all information and references provided in MR /01/ and supporting documents.*
- *A check of the monitoring equipment including performance and observations of monitoring practices against the requirements of the registered VCS PD /B04/ and the selected methodology /B02/.*

2.5 Resolution of Findings

CCIPL, during this verification, identified issues related to the monitoring, implementation or operation of the VCS project that could impair the capacity of the proposed VCS project to achieve project emission reductions or influence the reporting of emission reductions. CCIPL has identified, discussed these issues within the Verification report in Appendix 4.

• Clarification requests (CLs): Project reporting lacks transparency and further information is needed to determine if a material discrepancy is present.

• Corrective action requests (CARs): The VVB has identified a material discrepancy or non-conformance that the project proponent must address.

The verification team identified 07 CAR. All CAR raised by Carbon Check during this verification are resolved by the PP.

2.5.1 Forward Action Requests

Forward Action Request (FAR) is to be raised when the monitoring and reporting require attention and/or adjustment for the next verification period. FARs does not relate to VCS requirements for issuance of ERs achieved during subject monitoring.

No FAR is raised during this verification.

2.6 Eligibility for Validation Activities

CCIPL is conducting the first verification activity, the validation was performed by another VVB. CCIPL has a valid UNFCCC accreditation in the sectoral scope from UNFCCC.

The project activity falls under sectoral scope 01 and the CCIPL is accredited for validation /verification of project activities under this scope.

3 VALIDATION FINDINGS

3.1 Participation under Other GHG Programs

Project does not participate in any emission trading program or any other GHG program and has not sought or received any other form of environmental credit. The project has applied only under VCS for registration. This project is not participating under any other GHG programs.

3.2 Methodology Deviations

CCIPL verified all possible methodology deviations which do not negatively affect the conservativeness of the quantification of GHG emissions reductions or removals, except where the deviations result in greater accuracy.

CCIPL attempts to recognize whether any methodology deviation relates to the procedures relating to monitoring and measurement. Also, the interconnected nature of methodology, CCIPL also checked that such deviations will not have implications on other provisions of the methodology (e.g., equations for quantification) and must assess this possibility when evaluating a proposed deviation.

The verification team confirms that the registered project, under the current monitoring period (i.e., first monitoring period from 02-October-2009 to 30-September-2019), complies with the requirements of the applied monitoring methodology AMS.I.D. Version 15 /B02/. Therefore, no methodology deviations are applied during the monitoring period.

3.3 Project Description Deviations

CCIPL verified all possible project description deviations which do not negatively affect the conservativeness of the quantification of GHG emissions reductions or removals, except where the deviations result in greater accuracy and clarity.

CCIPL attempts to recognize whether any such deviation relates to the procedures relating to monitoring and measurement. Also, the interconnected nature of with actual measurement, CCIPL also checked that such deviations will not have implications on other provisions of the methodology (e.g., equations for quantification) and must assess this possibility when evaluating a proposed

deviation.

The 2 ex post parameters i.e., "A_{pj}" and "Cap_{pj}" are added in monitoring parameters as required by applied methodology AMS.I.D. Ver 15.

Capacity of turbines mentioned in PD was 2x600kW turbines and at actual as per document review of generation license /07/ it is one turbine of 1.135 MW_m/ 1.062 MWe capacity. It is an editorial sort of mistake.

Also, during discussion with PP, it has been noticed that the testing frequency of energy meter is 2 years as per BAŞKENT EDAŞ testing frequency internal requirements. This protocol was transitioned to in 2020. Accordingly, testing of energy meters is carried out every 2 years from 29/11/2018 i.e. last test & calibration date , however calibration frequency of energy meters will remain same as 10 years as mentioned in registered PD.

As per BEDAS spare meters does not have subscription number formed by their system hence are not included in the calibration protocol unless there is a problem with the meters. Therefore, the spare meter installed on 19/12/2008 was not calibrated or replaced with a new one as per meter testing regulation /15/ and as per registered PD /B04/. Though, the invoicing and calculations are performed using main meter and the spare meter used for comparison and back up purpose. Spare meter is not utilized in emission reduction calculations. Furthermore, the testing of both meters is carried out by BEDAS at 2 years of frequency after 29/11/2018. Thus , the same is accepted by verification team.

The above deviations are appropriately described and justified in monitoring report and verification team, confirms that the project remains in compliance with the VCS Standard v4.3 requirements.

The above deviations do not impact the appropriateness of the baseline scenario, additionality, or applicability of the methodology. Hence the above deviations are valid.

3.4 Grouped Project

Not applicable, as the project activity is not a grouped project.

4 VERIFICATION FINDINGS

4.1 Project Implementation Status

The project activity is in operation stage as evidenced by the remote inspection (google meet video inspection) of the site. All the physical components and project boundary are in conformity with

the description in registered VCS PD, and validation report /B04/. The capacity of project equipment's has been confirmed during the remote inspection (through review of installed capacity by SCADA System /23/), also through the technical specifications, electricity generation license /07/, commissioning certificate /08/ and found in-line with the registered VCS PD /B04/.

On the basis of the remote inspection and the review of technical specifications, Single line diagram and meter location /05/, Electricity production license /07/, Provisional acceptance letter, calibration certificates for meters project Commissioning certificate /08/, invoices /14/, organization structure and Electricity generation data /02/ , the verification team confirms that the project is implemented and operated as described in the registered VCS PD /B04/. The project activity was commissioned on 02-October-2009 as verified from the commissioning certificate of the project activity /08/. As confirmed during the remote audit, the project activity was in continuous operation since commissioning. There is no such incident reported during the current monitoring period, which may impact the operation & capacity design of the project activity. Calibration records of monitoring equipment i.e., bi-directional meters (main and backup) were checked, and it was confirmed that the meters are factory calibrated at installation, and also will be tested periodically by the grid operator /09/ (refer above section 3.3 for details) . The same is also confirmed by desk review of calibration reports carried out by BAŞKENT EDAŞ /09/. Same has been checked from the operational data during remote auditing and from the BAŞKENT EDAŞ and EPIAS websites (using the project owner's access).

Ownership and other programs:

PP has declared that the project is not registered in other GHG programs, PP confirmed that the project will only be going forward with VCS registry, as declared in VCS-PD. Thus, emission reductions generated by project will be solely claimed by PP and PP has the right of use, which is acceptable. Net GHG emission reductions or removals generated by this project will not be used for compliance with an emissions trading program or to meet binding limits on GHG emissions as the host country i.e., Turkey is not an Annex-B country under Kyoto Protocol, neither has its set national emission reduction targets nor any related obligations.

PP will not claim the environmental/carbon credits under any other GHG emission reduction scheme for the crediting period under VCS and PP has declared the same during the validation Hence, there is no possibility of double counting.

Project implemented activities that result in the SD contributions as described in the monitoring report:

As confirmed during the remote audit, the project displaces electricity produced in fossil fuel-based power plants, by using clean renewable source to generate electricity and thereby contributes to sustainable development through reduction in greenhouse gas (GHG) emissions. It has also been confirmed that the project contributes to the sustainable development goals (SDG 7, SDG 8, SDG 13,). Under SDG 7, the *project supplies clean, affordable, and renewable energy (35,198 MWh net electricity under the monitoring period) without reliance on fossil fuels for generation of electricity to meet the growing demands in the region. The electricity generated during the operation of project activity results in emission reductions i.e., sustainable production and consumption of this electricity.* For SDG 8, the implementation of project is providing job opportunities to 05 people during this monitoring period and 05 people will be maintained as their employees during this crediting period, with a decent and secure work environment by reducing emissions otherwise generated by the operation of fossil fuel-based power plants. The emission reductions generated due to the project *activity* are accounted under SDG 13 *(emission reduction of 19,113 tCO2e achieved under the monitoring period).*

The project activity strengthens the implementation and revitalizes the global partnership through sustainable development by the means of significant environmental and socio-economic benefits. The same has been verified during remote site visit interviews with PP and local stakeholder.

Management and operational system:

Verification team was able to verify that authorities and responsibilities for monitoring and reporting of all data related to the emission reductions were clearly defined for the monitoring period from 02-October-2009 to 30-September-2019.

The allocation of the responsibilities is documented in a written form and is followed as described in the registered VCS PD /B04/. Routines for the archiving of data are defined and documented. The electricity generation records were verified during remote audit and from the EPIAS website (using the project owner's access). It was observed that the data is consistent with the provided in the final MR and ER sheets. The status of the project activity was verified through the video observation during the remote audit and through the video evidence submitted by the PP, the EPIAS website (using the project owner's access) /10/ checked by the verification team indicated the real-time generation data, which further confirmed that the project is fully operational.

The monitoring plan described in section 4.3 of the MR confirmed to be correct. All the parameters of the monitoring plan are monitored using appropriate metering system, the details of which, as mentioned in the section 4.3 of the MR, have been confirmed through the snapshots /06/ and the technical document /03/ submitted by the PP. Certain deviation occurs in comparison with registered PD. The details of the same is provided in above section 3.3 of this report.

The verification team has remotely interviewed the plant personnel involved in the monitoring of the parameters that are used to determine the emission reductions of the project. It is confirmed based on the interviews and review of roles and responsibilities as per organizational structure, that the plant's team is competent enough to monitor the parameters as described in the monitoring plan.

As discussed above and review of MR /01/, the verification team concludes that management and operational system of the project is implemented and operated well. The organizational structure, responsibilities and competencies of the personnel that carried out the monitoring activities are found to be satisfactory to the verification team including the methods used for generating/measuring, recording, storing, aggregating, collating, and reporting the data on monitored parameters. The procedures used for handling including frequency of measurement and QA/QC procedures is also verified by verification team and found that the required confidence level or precision has been met. Thus, it ensures the quality of data which is required in calculating the emission reductions.

Implementation status of the monitoring plan:

Verification team confirms through remote inspection (refer to section 2.4 for details) and from the document review of technical specifications /03/ , Single line diagram /05/ and meter location /03/, Electricity production license /07/, Provisional acceptance letter, calibration certificates /09/ for meters, project documentation, invoices /14/, organization structure and Electricity generation data /10/ that the actual monitoring system complies with the monitoring plan mentioned in the registered VCS PD. Certain deviation occurred in comparison with registered PD. The details of the same is provided in above section 3.3 of this report.

During the verification, all relevant monitoring parameters of the registered monitoring plan have been verified with regard to the appropriateness of the verification method; the correctness of the values applied for ER calculation, the accuracy and applied QA/QC measures. All monitoring parameters have been measured / determined without material misstatements and are in line with all applicable standards and relevant requirements. It is confirmed that the monitoring mechanism is effective and reliable.

Each month PP records data from main meter and calculate the monthly values of export and import as monitoring meters data for their record purpose and comparison with data /11/i.e. monthly signed joint meter readings records in between PP and Başkent EDAŞ covering monitoring period. These values are feed into OSF form by BAŞKENT EDAŞ each month and send it to PP each month for confirmation. After receiving confirmation of the data from PP, BAŞKENT EDAŞ published on their website and maintains in online registry. EPIAS records are used crosscheck the monitoring meters data of BAŞKENT EDAŞ website and also use to prepare sales receipt /14/.

These monthly signed joint meter readings records in between PP and Başkent EDAŞ covering monitoring period are the basis of calculation of emission reduction /02/.

There are 2 energy meters which for Yazi HPP in the Sub- Station Center. One of this is main energy meter and other one is back-up (auxiliary/Control/Spare metering devices) energy meter. The Energy meters belongs to BAŞKENT EDAŞ . The energy meters of the power plants are located within the HPP Sub Station Center. Meter reading is done by TEİAŞ Remote reading system and giving information to the power plant management by the system of TEİAŞ. Back-up meters for the control of energy production values are also located in the Substation. The TEİAŞ provides remote access to the meters and monitors produced energy amounts every 15 minutes from the Main meters. The amount of energy produced is controlled by comparing the values in the Back-up energy meters .

The information of the energy meters is verified from the Chief Project Manager of HPP. The main energy meter and the back-up energy meter are installed and working according properly as per technical staff of the Yazi HPP. The meters feel right to TEİAŞ. It was confirmed that the calibration authority and responsibility for the meters goes to TEİAŞ. It was also asserted that meter maintenance and other responsibilities also belong to TEİAŞ. Therefore, it was acknowledged that the "Meters determination protocol" /04/regarding the meters was made between TEİAŞ and PP.

In order to measure the electricity exported to the grid, the information of the installed meters was obtained from the power plant authority. During the monitoring period the meters were installed, in 2008 and replaced with new calibrated meters in 2018 i.e. after 10 years as per national regulatory requirements. The Initial Index Protocol includes installation information and Brand-Model information of the meters is verified during interview and document review related to meters . The calibration document of the energy meters was verified during this monitoring period. Thereafter, it was stated that calibration was carried out at determined periods according to the calibration frequency set by regulations . Calibration frequency as per PD is 10 years after the installation which will remain same. The malfunction is due to a cross connection in the main meter found; however, the generation readings were correctly recorded despite the cross connection. When the ten-year calibration cycle is completed, the main meter is replaced with a new one, and a cross-connection is repaired. In case of any implication, the readings from the spare meter were used instead of the readings from the main meter for 11/2018. According to the data is provided by PP to VVB, the main meter reads 211.2 MWh and the spare meter reads 226.13 MWh in November. Even though the difference is less than 10%, the spare meter was used for this month's calculation to be safe.

CCIPL checked EPIAS recorded data /10/ in ER sheet /02/ with Metering records data i.e., monthly BAŞKENT EDAŞ readings or OSF form /11/ of back up and main meter also.

During interview with PP, it was confirmed that, the daily electricity generation logbook and common meter reading records are being followed between Energy Markets Management Inc. (EPİAŞ) and Yazi HPP over the system. It was also evidenced as "hourly meter reading report form - OSF". In addition to it, within the framework of the agreement between Yazi HPP and TEİAŞ /04/, it was indicated that instantaneous production values were monitored by using the remote reading system OSOS belonging to TEİAŞ. Also, the technical staff of the HPP keep the note via Excel format Daily Electricity generation logbook /24/. The operator fills up the data hourly basis through SCADA system and adding in Excel - Daily Electricity generation logbook. It was confirmed that, the electricity generation records by the SCADA systems /23/ is being monitored by PP, the same is used for comparison purpose. PP monitors data from BAŞKENT EDAŞ OSOS Dashboard and EPİAŞ Dashboard regularly for record and crosscheck purpose before generating invoice for electricity sale to grid.

The Power Plant is operated as per the production plan given to Power Plant Control Operator one day before. He records the amount of energy produced every hour in the "Daily Production Sheet" by providing remote access to the Control meter by the Central Control Operator. At the same time, these values are processed into the relevant excel table in the computer environment. At the end of the month, it is compared with the production values in the main meter of BAŞKENT EDAŞ and back up meter. If there is an error or mistake, it will be reported to BAŞKENT EDAŞ . No such error recorded during the current monitoring period.

The main meter of the power plant is read by TEİAŞ, and their monthly production values are officially reported to EPİAŞ. With this notification, monthly production values are reconciled between EPİAŞ and the Power Plant.

The above-mentioned information flow for generating, aggregating, and reporting the electricity generation values were confirmed by the Chief Project Manager of HPP.

Electricity generation values in the SCADA system are controlled and recorded by the power plant authorities. In addition, the data that TEİAŞ receives via OSOS, which is the remote reading system, is reported to the EPİAŞ system and uploaded to the "Conciliation Page". In this way, official records are finalized. Also, this information is checked by SCADA Dashboards for information purpose.

The Technical Chief of the Yazi HPP provided the information of the operational and data collection procedures. According to him, the accuracy of the set values is checked every hour by pressing the button on the main energy meter, which is located in the substation. These values are recorded in the "daily production sheet". At the end of the month, these data are verified by comparing the main meter values read by BAŞKENT EDAŞ .

According to PP, the quality control and quality assurance procedures in place to prevent or identify

and correct any errors or omissions in the reported monitoring period . The technical staff of the Yazi HPP Confirms that, the monthly meter values read by TEİAŞ with the remote reading system are notified to the plant operation manager via e-mail. The hourly values previously received by the Control Operator of the Power Plant are compared with the counter values sent by BAŞKENT EDAŞ . The difference between the two values is checked for measurement accuracy. If there is any data error, TEİAŞ officers and HPP Officers meet together on the site, try to figure out the predicament. When they find the troubles, TEİAŞ officers and HPP Officers correct the errors. After the correction process, they send this information to the EPİAS to correct the data of the previous production values. According to the Power Plant Chief Manager, there has been no error process so far. If an error occurs, TEİAŞ notifies EPİAŞ of the erroneous data received from the Power Plant Directorate within a reasonable time and ensures that the values are corrected and verified.

Therefore, from the document review and remote inspection, it is confirmed that all the parameters were monitored in accordance with the registered monitoring plan during the monitoring period. Following are the details of monitoring in accordance with the monitoring plan of the registered VCS PD /B04/:

Data - Parameter	*EG_y*
Data unit	*MWh*
Description	*Net Electricity generated and delivered to the grid by the Yazi HEPP in monitoring years from 02-October-2009 to 30-September-2019*
Source of data	*Metering devices used in power plants, monthly records signed/email by BAŞKENT EDAŞ by/to plant manager*
Description of measurement methods and procedures to be applied	*The net electricity is measured continuously by main power meter at the grid interface and recorded monthly. The power meters are bi-directional and measures both the supplied and used electricity by the power plant. The measured electricity generation is cross – checked by the records of sold electricity and the value reported by the project owner to the website of "Market Financial Settlement Center" or EPİAŞ. The power meters are calibrated and sealed by the transmission company, BAŞKENT EDAŞ .* *The Primary source of data is the data measured directly and continuously by meters and records (OSF form) /11/.* *The same has been checked for each month by the Verification team during remote video inspection and complete checking of data has also been*

<table>
<tr><td></td><td>carried out of the same provided by the PP /11/.
Verification team confirms that the data has been measured directly from meters. The meter readings accessible via an Automatic Meter Reading Software, were cross checked remotely by the verification team during the video inspection. Monthly screen outputs obtained from automatically recorded data at EPIAS /10/ were also checked by the verification team, for the entire monitoring period. The net electricity exported to grid is calculated as difference between export and import values provided in monthly meter reading records/OSF form /11/. These records are physically signed by BAŞKENT EDAŞ and PP Which conforms the PD monitoring requirement As confirmed from the meter snapshots and its technical specifications , back up meter has been installed in case there is main meter failure. However, only the main meter readings are used for ER calculations /02/.</td></tr>
<tr><td>Frequency of monitoring-recording</td><td>Continuous monitoring and hourly reading. The monthly recorded for invoicing purposes.
Recorded continuously, read remotely by BAŞKENT EDAŞ , and accessible monthly /11/ and cross checked with the EPIAS web site /10/. Reported annually on the VCS Monitoring Report as verified by the verification team through remote assessment.</td></tr>
<tr><td>Value monitored</td><td>35,198 MWh</td></tr>
<tr><td>Monitoring equipment</td><td>During the remote inspection and through review of generation data from monthly meter readings i.e. Monthly signed joint meter readings records in between PP and Başkent EDAŞ covering monitoring period /11/ and TEİAŞ – EPIAS web site /10/, it has been confirmed that the data has been monitored continuously by bi-directional metering devices, which provides the data for the monthly invoicing to TEİAŞ. All meters were found to follow the communiqué for Metering Devices /17/ to be used in the Electricity Market·
The calibration and testing dates of the meters provided below is already verified during previous verification:
<table>
<tr><td>Meter Serial No.</td><td>Manufacturer</td><td>Accuracy Class</td><td>Calibration date</td><td>Valid Until</td></tr>
<tr><td>Main Meter (Previous): 00376477</td><td>Elster (A-1500)</td><td>0.5S</td><td>19/12/2008</td><td>19/12/2018</td></tr>
</table></td></tr>
</table>

	Backup Meter: 00376476	Elster (A-1500)	*0.5S*	19/12/2008	NA
	Main Meter (Replaced on 29/11/2018): 40673867	*Landis-(Gyr-E550)*	*0.5S*	*29/11/2018*	*29/11/2028*
	The meters are factory calibrated and tested at installation and tested periodically by the grid operator /09/ . The calibrations are valid for 10 years as per National standard requirements /15/ and the same has been confirmed through the registered VCS-PD /B04/ . The meters were changed on 29/11/2018 as per BAŞKENT EDAŞ energy meters change policy of 10 years. The backup meter is not replaced and calibrated after 10 years of installation of it as per internal rules of BEDAS (refer section 3.3 above for details). The same both meters will be regular tested after 2 years following after this meter change date i.e. 29/11/2018 (refer section 3.3 for details). The last test date of both meters is 29/11/2020. Hence the next due date of test of both meters will be 29/11/2022. *The last calibration and first index (meter determination) protocol date was 19/12/2008, as the meters were changed on 29/11/2018 accordingly next calibration date of both meters will be 29/11/2028 as per national standard. Hence both the meters follow the host country calibration regulations and had valid calibrations during the entire monitoring period. Power meters are in line with Measure and Metering Devices Regulation and with IEC-EN 60687 Standards with the accuracy class 0.5S. Serial numbers of metering devices, brand, accuracy class are provided in the monitoring plan below.*				
QA-QC procedure to be applied	There are two bi-directional meters, 1 main and 1 check meter, and the monthly reported meter reading by the main meter, is cross-checked against the Main back up meter by a technician as confirmed during remote inspection and through snapshot. Imported electricity was also monitored by the operator using software for internal monitoring, which was again confirmed during the remote inspection. The main and spare/backup meter readings are recorded monthly readings in kWh and cross-checked whether calibration is required. The accuracy class for power meters have been defined in the Communiqué for Power Meters 58 as 0.5 class. The calibration is implemented in accordance with				

	the related standard procedures (IEC-EN 60687).
Purpose of the data	Data to be used for the calculation of Baseline Emissions
Calculation method	Direct Continuous Measurement The net electricity export/supplied to a grid is the difference between the measured quantities of the grid electricity export and the import.
Comments	As confirmed during the remote inspection, the collected data will be kept by PP during the crediting period and until two years after the last issuance of VERs for the Hydro Power Plant project activity for that crediting period.

Data - Parameter	*Cap_{PJ}*
Data unit	*W*
Description	*Installed capacity of the hydro power plant after the implementation of the project activity*
Source of data	*Project site computers with SCADA system /23/ and the turbine name plates /06/ verified by verification team*
Description of measurement methods and procedures to be applied	*SCADA system of the project activity checked during remote interview video*
Frequency of monitoring-recording	*Once for each monitoring period*
Value monitored	*1,062,000 W*
Monitoring equipment	*SCADA System of the Project activity /23/*
QA-QC procedure to be applied	*Turbine labels checked with SCADA System reading /06/ by verification team during remote interview video*
Purpose of the data	*To monitor capacity of the project*
Calculation method	N/A
Comments	–

Data - Parameter	*A_{PJ}*
Data 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 at its maximum fullness.*
Source of data	*Surface area determined using the reservoir surface area map provided in Appendix-2 of VCS MR /01/, the same is verified by*

	verification team
Description of measurement methods and procedures to be applied	*The reservoir area corresponding to maximum operational level has been determined via the topographic satellite images showing the lake area, presented in Appendix-2 of VCS MR /01/*
Frequency of monitoring-recording	*Once during each monitoring period*
Value monitored	*10,016 m²*
Monitoring equipment	–
QA-QC procedure to be applied	*Checked and compared to satellite imagery available by Google Earth /27/ by verification team and found to be appropriate with appendix 2 of VCS MR /01/*
Purpose of the data	*Data to be used for the calculation of Baseline Emissions.*
Calculation method	*N/A*
Comments	–

Remaining Issues from Validation or Previous Verification:

This is the first periodic verification of the registered project activity and from the review of the validation report, verification team confirms that no FAR were raised during the last verification of the project activity

4.2 Safeguards

4.2.1. No Net Harm

The project activity is the generation of electricity from a clean renewable energy source i.e., run of river dam water and does not involve any negative environmental and socio-economic impact. Though , in accordance with "Environmental Law" No. 2872 (Issued in 1983) and Annex 2 of Environmental Impact Assessment (EIA) Regulation (issued in 1993 and revised in 2001) for the HPPs with an installed capacity of more than 50 MW are

subject to a full EIA investigation or report preparation is required. The installed capacity of the project is 1.062 MWe, the project has got EIA exemption certificate dated 09/11/2006 /20/. However, project is found to be in compliance with the laws and regulations of Turkey .

Mr. Cemil confirmed, about the positive benefits of the project. They mentioned the project creates job opportunities and builds for the people of the region in a good way. He expressed that Esatli village satisfaction for the project is located in this region. They mentioned that it provides positive contribution to the regional economy. Also, he mentioned that the people who lives in this region are delighted for this HPP which is located in their location.

As confirmed through the remote interviews , PP has adopted mitigation measures to minimise the impact of construction and operation as per the Project Presentation Report submitted to the authorities. Necessary precautions have been taken for the minimization of dust in accordance with Pollution Control regulations, collection of waste oil Hazardous Waste Control Regulations and Waste Oil Control Regulations, and disposal of waste-to-waste treatment facilities. During the remote investigation , PP confirmed that no such accident had occurred during the current monitoring period, which could be responsible for negative environmental and socio-economic impact.

4.2.2. Local Stakeholder Consultation

During this monitoring period PP has provided logbook within the vicinity of Tutmacci Bayindir village, to register grievances given by local stakeholders during operation phase of project activity, to note ongoing communication mechanism with stakeholders. The same process is known by all local stakeholders , as it was communicated by PP to all local stakeholders. Each month PP representatives visit and meet the logbook locations to check and discuss any grievances given by local stakeholders. The same process is known to all local stakeholders. In addition to it, the local stakeholders can access the Yazi Site manager and the Yazi HPP via phone to provide their grievances related to operational activity of project. This is verified by verification team during remote onsite visit interviews with local stakeholder.

During the monitoring period there were no complaints or negative comments or demands from the project. The same was confirmed through the remote audit conducted by verification team.

4.3 AFOLU-Specific Safeguards

This is not an AFOLU project, as can be confirmed from the registered VCS PD.

4.4 Accuracy of GHG Emission Reduction and Removal Calculations

The verification team has reviewed the emission reduction (ER) spread sheet and checked all the formulae and verified them to be correct and in line with the monitoring plan of the registered VCS PD and the applied monitoring methodology .

All the monitored parameters are described above in section 4.1. All the ex-ante parameters which are used in the calculation of emission reduction are presented in section 4.1 of the MR transparently. It is confirmed that all the ex-ante parameters have been correctly used in the emission reduction calculation.

Baseline emissions:

The baseline emissions (BE_y) are calculated based on the following formula:

$BE_y = EG_y \times EF_y$

Where:

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

EG_y = *Quantity of net electricity generation that is produced and fed into the grid as a result of the implementation of the project activity in year y (MWh/yr)*

EF_y = *Combined margin CO2 emissions factor in year y (tCO2/MWh)*

The Combined margin CO2 emissions factor in year y (tCO2/MWh), $EF_{grid,CM,y}$, is fixed ex-ante for the duration of the crediting period and is 0.543 tCO2e/MWh.

Therefore,

$BE_y = EG_y \times EF_y$

$BE_y = 35,198 \times 0.543$

$BE_y = 19,113\ tCO_2$ *(rounded off)*

It is noted that the formula and calculation used for baseline emission calculation in the monitoring report and ER sheet follows the registered VCS PD. The default values and data used in the monitoring report is in-line with the registered PD . Hence, acceptable to the verification team.

Project Emissions:

The Project emissions (PEy) are calculated based on the following formula:

$PE_y = PE_{FF} + PE_{GP,y} + PE_{HP,y}$

Where:

PE_y *= Project emissions in year y (tCO2e/yr)*

$PE_{FF,y}$ *= Project emissions from fossil fuel consumption in year y (tCO2e/yr)*

$PE_{GP,y}$ *= Project emissions from the operation of geothermal power plants due to the release of non-condensable gases in year y (tCO2e/yr)*

$PE_{HP,y}$ *= Emissions from water reservoirs of hydro power plants .*

This is hydro project. Hence it is applicable.

$PE_{FF,y}$ *= 0, which is acceptable to the verification team as per methodology.*

$PE_{GP,y}$ *is not applicable to the project activity, as the registered project is a Hydro power plant*

For hydro power project activities that result in new reservoirs and hydro power project activities that result in the increase of existing reservoirs, project proponents shall account for CH4 and CO2 emissions from the reservoir, estimated as follows:"
"...the power density of the project activity (PD) is greater than 4 W/m2 and less than or equal to 10 W/m²:"
As shown by the following calculation, The project has a power density of 10,016 W/m², which is greater than 10 W/m²,
Project Activity Installed Capacity/ Reservoir Area = Power Density Yazi HEPP
1,062,000 W/10,016 m² = 106.03 W/m²

Hence, as per the calculation checked by the verification team, $PE_y = 0$
Leakage:

As per the methodology AMS.I.D, Ver 15 /B02/ and as defined in the registered VCS PD /B04/ no leakage is considered in the project activity and the same is followed in this monitoring period also. Thus, it follows the registered VCS PD.
Accordingly, emission reduction for the current monitoring period (02-October-2009 to 30-September-2019) is 19,113 tCO_2.
Total emission reductions were realized as 19,113 tCO2 for this monitoring period (Table 5). When the estimated electricity generation figure of the power plant for each year in the validated VCS PD (5,203 MWh-year) is considered, the total emission reductions should be

approximately 28,252tCO2 (Table 6) for the monitoring period (120 months). Percent difference is calculated as -32,3%, which means the project reduced 32,3% less CO2 than the estimated amount. Since the project is a HEPP, seasonal effects are significant on the monthly generation rates and deviations from the calculated values are acceptable. On the other hand, the electricity generation is dependent on water flow estimation, which is a natural phenomenon and cannot be estimated with 100% accuracy.

The following are the ex-ante parameters used in the ER calculation which follow registered VCS PD:

Parameter	*Description*	*Justification*
FC *cubic meter*	*Fossil fuel consumed by thermal power plants between years 2006-2008*	*The value is used in the calculation of the Emission factor (0.543 tCO2e/MWh). The emission factor has already been calculated ex-ante as 0.543 tCO2e/MWh.* *The value data on the parameter is available in the validated registered PD, which has been checked. Hence it is confirmed that the ex-ante details presented on the ex-ante parameter is found appropriate.*
NCV *TJ/Mass*	*Net calorific value of each fossil fuel type between 2006-2008*	*The value is used in the calculation of the Emission factor (0.543 tCO2e/MWh). The emission factor has already been calculated ex-ante as 0.543 tCO2e/MWh.* *The value data on the parameter is available in the validated registered PD, which has been checked. Hence it is confirmed that the ex-ante details presented on the ex-ante parameter is found appropriate.*
EF_{CO2} *tCO_2/TJ*	*Emission factor for each fuel type.*	*The value is used in the calculation of the Emission factor (0.543 tCO2e/MWh). The emission factor has already been calculated ex-ante as 0.543 tCO2e/MWh.* *The value data on the parameter is available in the validated registered PD, which has been checked. Hence it is confirmed that the ex-ante details presented on the ex-ante parameter is found appropriate.*
EG_y *MWh*	*Net electricity generated by all power plants*	*The value is used in the calculation of the Emission factor (0.543 tCO2e/MWh). The emission factor has already been calculated ex-ante as 0.543 tCO2e/MWh.*

	connected to the national grid excluding low-cost must run power plants between 2006-2008.	*The value data on the parameter is available in the validated registered PD, which has been checked. Hence it is confirmed that the ex-ante details presented on the ex-ante parameter is found appropriate.*
Electricity generation MWh	*Total electricity generated by all power plants connected to the national grid including low-cost must run power plants between 2006-2008.*	*The value is used in the calculation of the Emission factor (0.543 tCO2e/MWh). The emission factor has already been calculated ex-ante as 0.543 tCO2e/MWh.* *The value data on the parameter is available in the validated registered PD, which has been checked. Hence it is confirmed that the ex-ante details presented on the ex-ante parameter is found appropriate.*
Electricity imported MWh	*Net electricity generated by all power plants connected to the national grid excluding low-cost must run power plants between years 2006-2008*	*The value is used in the calculation of the Emission factor (0.543 tCO2e/MWh). The emission factor has already been calculated ex-ante as 0.543 tCO2e/MWh.* *The value data on the parameter is available in the validated registered PD, which has been checked. Hence it is confirmed that the ex-ante details presented on the ex-ante parameter is found appropriate.*
Capacity addition MWh	*Capacity addition to the national grid between 2004-2008*	*The value is used in the calculation of the Emission factor (0.543 tCO2e/MWh). The emission factor has already been calculated ex-ante as 0.543 tCO2e/MWh.* *The value data on the parameter is available in the validated registered PD, which has been checked. Hence it is confirmed that the ex-ante details presented on the ex-ante parameter is found appropriate.*
$\eta_{m,y}$ %	*Average net energy conversion efficiency of power*	*The value is used in the calculation of the Emission factor (0.543 tCO2e/MWh). The emission factor has already been calculated ex-ante as 0.543 tCO2e/MWh.*

	unit m in year y	*The value data on the parameter is available in the validated registered PD, which has been checked. Hence it is confirmed that the ex-ante details presented on the ex-ante parameter is found appropriate.*

According to the applied methodology , the conservativeness of the achieved emission reduction was checked, and the detailed emission reduction calculation has been transparently provided in the ER sheet. All the formulae and the calculation procedure were checked by the verification team. In the opinion of verification team, the assumptions, emission factors and default values that were applied in the calculations have been justified. Also, the verification team confirms that there were no manual transposition errors between the data sets in the ER Sheet during the current monitoring period. It is confirmed that the data has been based on measured directly from meters /11/ and it was cross checked from the EPIAS web site /10/ .

All relevant documents were checked to assess the correctness and quality of data submitted by the project participants, which are used to determine emission reductions.

All records needed for monitoring are archived in line with the requirements of the registered monitoring plan /B04/. No significant lack of evidence and missing data were detected during remote audit interview and video inspection . Hence, the verification team confirms that the monitoring system ensures required quality of the monitoring system to ensure the quality of the monitored data. All internal data are subjected to QA/QC measures. The monitoring parameters have been measured / determined without material misstatements and is in line with all applicable standards and relevant requirements. The information inflow (from data generation, aggregation, to recording, calculation and reporting) is included in section 4.1 under each parameter and confirms to the requirement of the PD /B04/. The export and import data are measured by the electricity meters, recorded continuously on the TEİAŞ and EPIAS web site and the invoices are generated monthly. The data is then reported annually on the VCS Monitoring Report /01/ as verified by the verification team through remote assessment.

It was also verified through remote audit interview of responsible personnel, that the plant's team involved in the monitoring of project activity is well experienced. Hence, the verification team concludes that competent staff, as mentioned in the organizational structure is employed by the project proponent to carry out the relevant tasks with sufficient accuracy. Furthermore, it was confirmed during remote audit discussion that internal training program for the monitoring staff are conducted on regular basis.

4.5 Quality of Evidence to Determine GHG Emission Reductions and Removals

When verifying the report emission reduction, CCIPL ensured that there was a clear audit trail that contained the evidence and records that validate the stated figures. All source documents that form the basis for assumptions and other information underlying the GHG data are shown above.

When assessing the audit trails, CCIPL also examined:

1. *whether sufficient evidence was available, both in terms of frequency and in covering the full monitoring period*
2. *the source and nature of the evidence*
3. *if comparable information was available from sources other than that used in the monitoring report, CCIPL cross-checked the monitoring report against the other sources to confirm that the stated figures were correct. The sources and the data referenced are shown in Appendix 1 below.*

CCIPL also assessed that the data collection system met the requirements of the monitoring plan as per the applied methodology.

Proper data management inclusive of data acquisition and aggregation, data management system is being followed for the project activity.

The monitoring personnel at site are well trained and follow reproducible routines. Thus, they are competent to carry out the relevant tasks with sufficient accuracy.

4.6 Non-Permanence Risk Analysis

The project activity was operational during the complete monitoring period. Hence there is no further requirement for the non-performance analysis rating during the monitoring period of the project activity.

5 VERIFICATION CONCLUSION

CCIPL has been contracted by, "ELESTAS ELEKTRIK URETIM A.S " to undertake first verification and certification for the greenhouse gas (GHG) emission reductions reported from 'Yazi 1.13 MW HEPP' VCS ID 583 for the monitoring period 02-October-2009 to 30-September-2019, under the first crediting period 02-October-2009 to 01-October-2019 , in the monitoring report version 1.03 and 08/12/2022, with regard to the relevant requirements of VCS Standard Version 4.3.

The verification is based on the validated and registered VCS PD /B04/ and the monitoring report /01/ for this project. Verification approach was based on the requirements as defined under the Kyoto Protocol, Marrakech accord, as well as those defined by the CDM Executive Board and the VCS Standard Version 4.3.

The management of the 'GTE KARBON SÜRDÜRÜLEBİLİR ENERJİ EĞİTİM DANIŞMANLIK VE TİC. AŞ' is responsible for the preparation of the GHG emissions data and the reported GHG emissions reductions on the basis set out within the project final Monitoring Report Version 1.03 dated 08/12/2022. The calculation and determination of GHG emission reductions fromthe project is the responsibility of the management of the 'GTE KARBON SÜRDÜRÜLEBİLİR ENERJİ EĞİTİM DANIŞMANLIK VE TİC. AŞ' The development and maintenance of records and reporting procedures are in accordance with the Monitoring Report 1.03 dated 08/12/2022/01/.

It is CCIPL responsibility to express an independent GHG verification opinion on the GHG emissions and on the calculation of GHG emission reductions from the project for the period 02-October-2009 to 30-September-2019 based on the reported emission reductions in the Final Monitoring Report Version 1.03 dated 08/12/2022 for the same period.

As a result of the verification, the verification team confirms that:

- *All operations of the project are implemented and installed as planned and described in the project description .*
- *The monitoring system is in place and functional.*
- *The installed equipment essential for generating emission reductions runs reliably.*
- *The GHG emission reductions are calculated without material misstatements in a conservative and appropriate manner.*

- Based on an understanding of the risks associated with reporting GHG emissions data and the controls in place to mitigate these, CCIPL planned and performed our work to

obtain the information and explanations that we considered necessary to provide sufficient evidence for us to give reasonable assurance that this reported amount of GHG emission reductions for the period is fairly stated.

Verification period: From 02-October-2009 to 30-September-2019

Verified GHG emission reductions and removals in the above verification period:

Year	*Baseline emissions or removals (tCO2e)*	*Project emissions or removals (tCO2e)*	*Leakage emissions (tCO2e)*	*Net GHG emission reductions or removals (tCO2e)*
2009 (02/10/2009-31/12/2009)	*475.7*	0	0	*475.7*
2010 (01/12/2010-31/12/2010)	*1,834.3*	0	0	*1,834.3*
2011 (01/12/2011-31/12/2011)	*2,819.8*	0	0	*2,819.8*
2012 (01/12/2012-31/12/2012)	*2,179.1*	0	0	*2,179.1*
2013 (01/12/2013-31/12/2013)	*1,692*	0	0	*1,692*
2014 (01/12/2014-31/12/2014)	*777*	0	0	*777*
2015 (01/01/2015 – 31/12/2015)	*2,082.9*	0	0	*2,082.9*
2016 (01/012016– 31/12/2016	*2,233.9*	0	0	*2,233.9*
2017 (01/01/2017 – 31/12/2017)	*1,915.2*	0	0	*1,915.2*
2018 (01/01/2018– 31/12/2018)	*1,716.4*	0	0	*1,716.4*
2019 (01/01/2019 – 30/09/2019)	*1,386*	0	0	*1,386*
TOTAL	***19,113***	**0**	**0**	***19,113***

The verification team is of the opinion that the project has been implemented in accordance with the registered project description and the MP which complies with the approved monitoring methodology, the monitoring complies with the MP and the monitored data and calculation of ERs are assessed and confirmed as correct. Therefore, CCIPL certifies, and requests the issuance of, the reported ERs during the monitoring period of 02-October-2009 to 30-September-2019 amounting to 19,113 tCO2e to the VCS registry.

APPENDIX 1: REFERENCES

S. No.	Document
/01/	• Monitoring Report Ver 1.01 dated 16/05/2022 • Monitoring Report Ver 1.03 dated 08/12/2022
/02/	• Emission reduction calculation spread sheet Ver 1.01 • Emission reduction calculation spread sheet Ver 1.03
/03/	Proof of Technical specifications of HEPP
/04/	Power purchase Agreement with BAŞKENT EDAŞ
/05/	Single line diagram for the flow of electricity from generation point to feed in grid including meter locations
/06/	Project site photographs of turbines, generators, regulators, powerhouse, electricity meters etc. as provided in registered PD
/07/	• Electricity production license with EMRA dated 31/08/2006 • Grid Connection Contract with BAŞKENT EDAŞ dated 09/05/2007 • Water usage agreement signed with DSI dated 09/05/2007 • System use agreement with BEDAS dated 09/05/2007
/08/	Commissioning document of each Turbines dated 02 October 2009
/09/	• First index protocol dated 19/12/2008 • Meter calibration report and Proof of main meter and check/backup meter change dated 29/11/2018 • Proof of main meter and check/backup meter test dated 12/11/2020
/10/	Monitoring Period Electricity generation data from EPIAS web site
/11/	Monthly signed joint meter readings records in between PP and Başkent EDAŞ covering monitoring period
/12/	Proof of location of the turbines in KMZ file
/13/	Proof of Meters information (Manufacture, Calibration date, Validation, Accuracy class) including calibration certificates

/14/	Invoices raised by PP to BAŞKENT EDAŞ covering monitoring period
/15/	Communiqué for Metering Devices, (Regulations clarifies the use of electricity meters and their calibration published in 10/04/2011 under the number of 27901 and in 14/04/2009 under the number of 27200.)
/16/	Proof of installed capacity of the Project Activity i.e., showing in SCADA system and EMRA website
/17/	Valid Meters "Type and System Approval" certificate from the Ministry of Trade and Industry in compliance with TS-620 EN 60044-1 and TS718 IEC60044
/18/	The ICE/TSE 62053-22: Electricity metering equipment (a.c) – Particular requirements - Part 22: Static meters for active energy (Classes 0.2 S and 0.5 S)
/19/	LSC ongoing mechanism evidence
/20/	EIA exemption letter dated 09/11/2006
/21/	Proof of occupational health trainings and technical trainings provided in current Monitoring period
/22/	Drained excess fuels and oils, sewage truck invoices in Current Monitoring period
/23/	Sample copies of monitored electricity production through a SCADA system and record daily generation in field logs
/24/	Hourly Electricity Export/Import records / Log sheets for the electricity export to grid and import from grid for the monitoring period
/25/	Solid waste disposal records covering monitoring period
/26/	Sewage truck disposal records covering monitoring period
/27/	Dam area measurement documents
/28/	Proof of Capacity of project activity through project site computers with SCADA system and the turbine name plates
/29/	Verification contract in between CCIPL and "GTE Karbon Sürdürülebilir Enerji Eğitim Danişmanlik Ve Ticaret A.Ş." dated 25/04/2022

Background documents

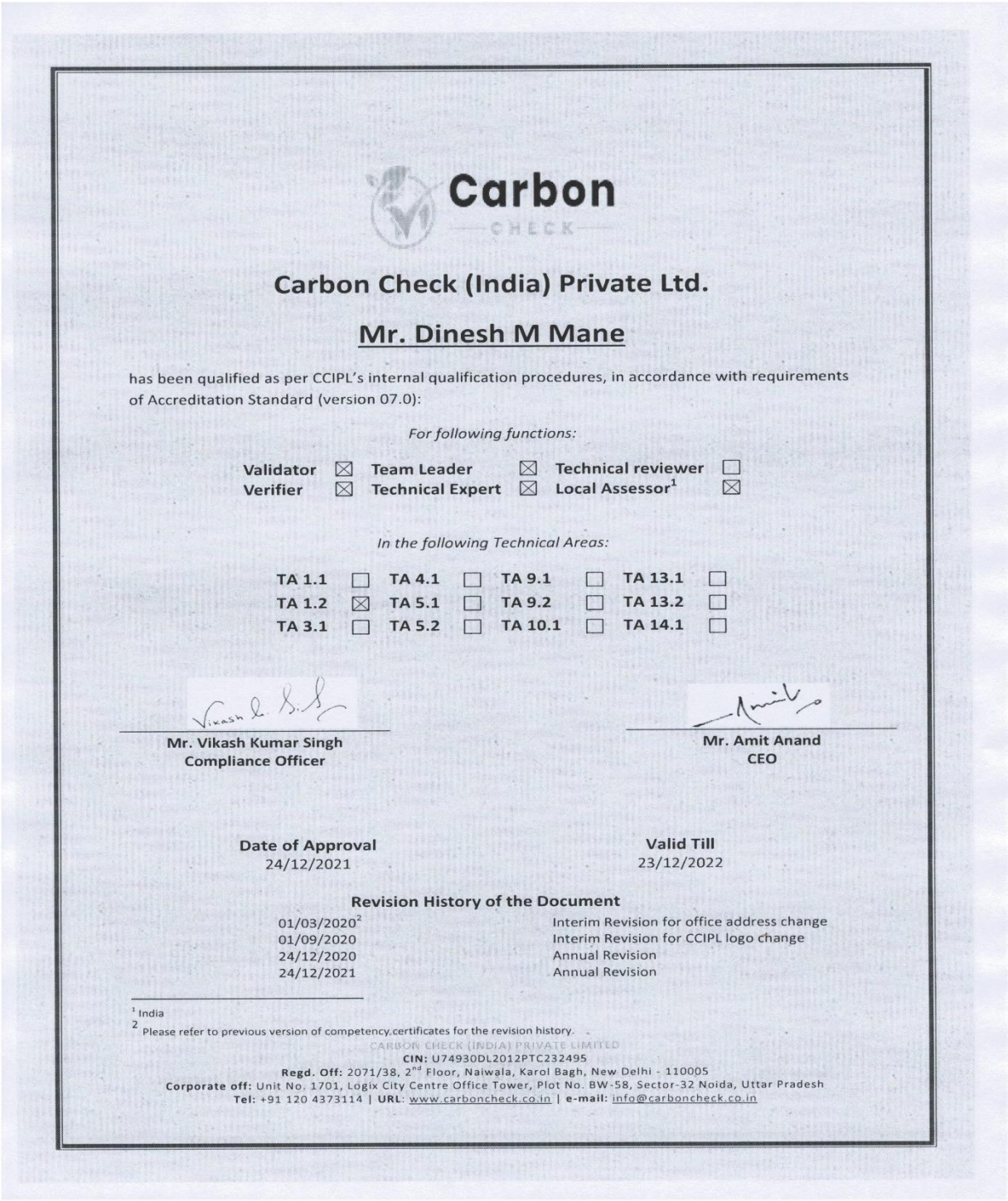
Ref	Document
/B01/	VCS Requirements a. VCS Standard (v4.3, dated 22/06/2022) b. VCS Program Guide (v4.2, dated 22/06/2022) c. VCS Validation and Verification Manual version (v3.2, dated 19/10/2016) d. Registration & Issuance Process (v4.2, dated 22/06/2022) e. VCS Program Definitions version (v4.2, dated 22/06/2022)

	f. *VCS MR template version 4.1* g. *CDM validation and verification standard for project activities Version 03*
/B02/	*Applied baseline and monitoring methodology:* *AMS-I.D. "Grid connected renewable electricity generation" Version 15.0*
/B03/	*The Approved Methodology refers to the following tools:* • *"Tool for the demonstration and assessment of additionality"(Version 7)* • *"Tool to calculate the emission factor for an electricity system". (Version 4)* • *"Guidelines on the assessment of investment analysis" (Version 5)* • *"Tool to calculate project or leakage CO2 emissions from fossil fuel combustion" (Version 2)*
/B04/	• *Registered VCS PD version 6 dated 29/05/2015* • *Registered Validation Report version 1 dated 29/06/2015*
/B05/	*Website and links:* 1. *http://cdm.unfccc.int* 2. *https://verra.org/project/vcs-program/rules-and-requirements/*

APPENDIX 2: Abbreviations

CDM	*Clean Development Mechanism*
BE	*Baseline Emission*
CAR	*Corrective Action Request*
CCIPL	*Carbon Check (India) Private Ltd.*
BAŞKENT EDAŞ	*Camlibel Elektrik Dagitim A.S.*
CDM	*Clean Development Mechanism*
CL	*Clarification Request*
CO_2	*Carbon Dioxide*
CO_{2e}	*Carbon Dioxide Equivalent*
DOE	*Designated Operational Entity*
DPR	*Detailed project report*
DVR	*Draft Validation Report*
EB	*CDM Executive Board*
EF	*Emission Factor*
ER	*Emission Reduction*
FAR	*Forward Action Request*
FVR	*Final validation Report*
GHG	*Greenhouse gas(es)*
GWh	*Giga Watt Hour*
IPCC	*Intergovernmental Panel on Climate Change*
MW	*Mega Watt*
MWh	*Mega Watt Hour*
NA	*Not Applicable*
OSV	*On Site Visit*
PD	*Project Description*
PP	*Project Proponent*
QC/QA	*Quality control/Quality assurance*
TR	*Technical Review*
UNFCCC	*United Nations Framework Convention on Climate Change*
VCS	*Verified Carbon Standard*
VCSA	*Verified Carbon Standard Association*
VCU	*Verified Carbon Unit*
VVB	*Validation Verification Body*
VVM	*Validation and Verification Manual*
VVS	*Validation and Verification Standard*

APPENDIX 3: CERTIFICATES OF COMPETENCE



Carbon CHECK

Carbon Check (India) Private Ltd.

Mr. Dinesh M Mane

has been qualified as per CCIPL's internal qualification procedures, in accordance with requirements of Accreditation Standard (version 07.0):

For following functions:

Validator	☒	Team Leader	☒	Technical reviewer	☐
Verifier	☒	Technical Expert	☒	Local Assessor[1]	☒

In the following Technical Areas:

TA 1.1	☐	TA 4.1	☐	TA 9.1	☐	TA 13.1	☐
TA 1.2	☒	TA 5.1	☐	TA 9.2	☐	TA 13.2	☐
TA 3.1	☐	TA 5.2	☐	TA 10.1	☐	TA 14.1	☐

Mr. Vikash Kumar Singh
Compliance Officer

Mr. Amit Anand
CEO

Date of Approval
24/12/2021

Valid Till
23/12/2022

Revision History of the Document

01/03/2020[2]	Interim Revision for office address change
01/09/2020	Interim Revision for CCIPL logo change
24/12/2020	Annual Revision
24/12/2021	Annual Revision

[1] India
[2] Please refer to previous version of competency certificates for the revision history.

CARBON CHECK (INDIA) PRIVATE LIMITED
CIN: U74930DL2012PTC232495
Regd. Off: 2071/38, 2nd Floor, Naiwala, Karol Bagh, New Delhi - 110005
Corporate off: Unit No. 1701, Logix City Centre Office Tower, Plot No. BW-58, Sector-32 Noida, Uttar Pradesh
Tel: +91 120 4373114 | **URL:** www.carboncheck.co.in | **e-mail:** info@carboncheck.co.in

Carbon
CHECK

Carbon Check (India) Private Ltd.

Ms. Indumathi. C

has been qualified as per CCIPL's internal qualification procedures, in accordance with requirements of Accreditation Standard (version 07.0):

For following functions:

Validator	☐	Team Leader	☒	Technical reviewer	☒
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TA 1.1	☒	TA 4.1	☐	TA 9.1	☐	TA 13.1	☒
TA 1.2	☒	TA 5.1	☐	TA 9.2	☐	TA 13.2	☒
TA 3.1	☒	TA 5.2	☐	TA 10.1	☐	TA 14.1	☐

Mr. Vikash Kumar Singh
Compliance Officer

Mr. Amit Anand
CEO

Date of Approval
24/12/2021

Valid Till
23/12/2022

Revision History of the Document

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Corporate off: Unit No. 1701, Logix City Centre Office Tower, Plot No. BW-58, Sector-32 Noida, Uttar Pradesh
Tel: +91 120 4373114 | URL: www.carboncheck.co.in | e-mail: info@carboncheck.co.in

APPENDIX 4: FINDINGS LOG

Table 1.CARs from this verification

Finding	***CAR 01***		
Classification	☒ *CAR*	☐ *CL*	☐ *FAR*
Description of finding *(VVB)*	*CAR being raised for the following corrections related to MR template Ver 4 /B01-f/ and other VCS rules:* *1) Provide continued operation periods statement in section 1.1 of MR.* *2) Provide date of commissioning of project activity in section 3.1 of MR.* *3) Figures above one thousand shall be formatted with a comma (for example 1,000,000), and decimals will be separated by a point (for example 1.35).* *4) Why whole month of Oct. 2019 electricity generated is considered for calculation of ER, as MP/CP ends on 01/10/2019. Also in table 6 & 7 of MR shows three months extra (Oct-Dec. 2019) data considered in ER calculations.* *5) Title of project activity mentioned in MR is not matching with the title mentioned in registered PD.* *6) " Contributions Over Project Lifetime" needs to be provided for 8.5 SDG target in table 3 of section 1.11 of MR.* *7) Deviation w.r.t. addition of two parameters i.e. "Cap_{PJ}" and "A_{pJ}" in section 4.2 needs to be provided in section 3.2.2 of MR.* *8) Deviation w.r.t. calibration of spare meter not carried out in line with PD by BEDAS needs to be provided in section 3.2.2 of MR.*		
Corrective Action or clarification #1 *(PP shall write a detailed and clear corrective action or further information for clarification as per finding)*	1) Continued operation periods is provided in section 1.1 of MR. 2) Date of commissioning of project activity is provided in section 3.1 of MR. 3) Figures are revised. 4) 1st October 2019 is removed from the ER calculations for simplification purpose of calculations. 5) Title of project activity mentioned in MR is fixed according to the registered PD.		

	6) " Contributions Over Project Lifetime" is provided for 8.5 SDG target in table 3 of section 1.11 of MR. 7) Deviation w.r.t. addition of "CapPJ" and "A_{pJ}" is added in section 4.2 and in section 3.2.2 of MR. 8) BEDAS declares that for spare meters there is no subscription number formed by their system and those meters (spare meters) that have no subscription number are not included in the calibration protocol unless there is a problem with the meters. Since this is the case, the spare meter installed on 19/12/2008 was not calibrated or replaced with a new one as there was no problem found with the meter. However, the invoicing and calculations are performed over the main one, and the spare meter was never utilized in emission reduction calculations. The same is added in section 3.2.2 of MR
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.*	*All the corrections made in revised MR is found to be acceptable to verification team , hence this CAR is closed.*
Conclusion *Tick the appropriate checkbox*	☐ *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)*	*CAR being raised for the following editorial corrections in the MR:* *1) Table 1 in section 1.1 of MR needs to modify, to include date of connection agreement, date of water use agreement, date of system usage agreement, dates continued operation periods specific to the verification of the project activity.* *2) Subscript all the parameters in line with monitoring methodology.* *3) LSC ongoing communication logbooks are available in Tutmacci Bayindir village as per PP, kindly include the same 2.2 of MR.* *4) In line with discussion with PP, total 05 employee are recruited in monitoring period and total 05 employees will be maintained throughout the crediting period, the same is not reflected in section 1.11 of MR incessantly.* *5) Emission Factor (tCO_2-MWh) used in MR is not matching with registered PD.* *6) Confirm in section 1.1 of MR that it is a run of river dam-based project.*		

Finding	*CAR 02*
	7) Kindly provide no of turbines and their exact capacity in section 1.1 of MR. *8) Version no. of methodology is not provided in section 1.2 and 1.8 of MR.* *9) Project start date needs to be corrected in section 1.5 of MR.*
Corrective Action or clarification #1 *(PP shall write a detailed and clear corrective action or further information for clarification as per finding)*	1) Date of connection agreement, date of water use agreement, date of system usage agreement, dates continued operation periods specific to the verification of the project activity is included in the Table 1 in Section 1.1 2) All the parameters is subscripted in line with monitoring methodology. 3) "LSC ongoing communication logbooks are available in Tutmacci Bayindir village as per PP" was included in section 2.2 of MR. 4) " Total 05 employees will be maintained throughout the crediting period" is reflected in section 1.11 of MR incessantly. 5) Emission Factor (tCO_2-MWh) used in MR is revised according to the registered PD. 6) Confirmed in section 1.1 of MR that it is a run of river dam-based project. 7) No. of turbines and their exact capacity is provided in section 1.1 of MR. 8) Version no. of methodology is provided in section 1.2 and 1.8 of MR. 9) Project start date needs is corrected in section 1.5 of MR.
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.*	*All the corrections made in revised MR is found to be acceptable to verification team , hence this CAR is closed.*
Conclusion *Tick the appropriate checkbox*	☐ *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)*	*CAR being raised for the following corrections related to Monitoring and ER section (4 & 5) of the MR:* *1) Following correction required for parameter "EG_y" in section 4.2 of MR:* • *Provide the details of both meters such as calibration done date, meter determination protocol (first index) date , calibration due date, test done date and due date in tabular format . Meters are changed in monitoring period on 29/11/2018, hence details of that meters also needs to provide in parameter table.* • *The whole table of parameter "EG_y" needs to be made in line with table prided in registered PD.* • *Provide frequency of test of meters is 2 years* *2) As project use branches of the Kizilirmak River based Guldurcek dam water, that means the project activity uses dam water for running turbine of projects, in line with this, wherefore power density of project activity is not calculated and monitoring parameter "A_{PJ}" is not monitored during CP as per the requirement of applied methodology.*		
Corrective Action or clarification #1 *(PP shall write a detailed and clear corrective action or further information for clarification as per finding)*	1) Following corrections were performed for parameter "EGy" in section 4.2 of MR: • Necessary details were provided for the energy meters • "EGy" was revised according to the registered PD. • Frequency of Test of meters was provided as 2 years with a proof of an email from BEDAŞ. 2) MR is revised accordingly.		
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.*	*All the corrections made in section 4 & 5 of revised MR is found to be acceptable to verification team, hence this CAR is closed.*		
Conclusion *Tick the appropriate checkbox*	☐ *To be checked during the next periodic verification* ☐ *Outstanding finding (not closed)* ☒ *The finding is closed*		

Finding	***CAR 04***		
Classification	☒ *CAR*	☐ *CL*	☐ *FAR*

Finding	***CAR 04***
Description of finding *(VVB)*	*Below Project Description Deviation needs to be provided in section 2.2.2 of MR:* *1) During off-site visit interviews with PP, it has been noticed that the as per internal protocol of BAŞKENT EDAŞ , testing frequency of energy meters is 2 years. As the new replaced meters were tested at 2 years of frequency after their installation (29/11/2018) i.e. last test date is 12/11/2020 by BEDAS.* *2) The addition of 2 monitoring parameters ("Cap_{PJ}" and "A_{PJ}") as required by applied methodology in section 4.2 of MR in comparisons with registered PD.* *3) The capacity of turbines mentioned in PD i.e. 2x1.135 MWm/ 1.062 MWe is not right, actual capacity of turbine is 1x1.132 MWm/1.109 MWe.*
Corrective Action or clarification #1 *(PP shall write a detailed and clear corrective action or further information for clarification as per finding)*	Following statements were added in Section 3.2.2.of MR. 1) "As per internal protocol of BAŞKENT EDAŞ, testing frequency of energy meters is 2 years. This protocol was transitioned to in 2020. As the new replaced meters were tested at 2 years of frequency after their installation (29/11/2018) i.e., last test date of the testing of meters was realized in 12/11/2020 by BEDAS" 2) "A_{pj}" and "Cap_{pj} " is now added in section 4.2. of MR Ver 1.03 as per deviation for transparency purpose. 3) "In registered PD ver. 03, mechanical capacity was defined as two turbines each with a capacity of 0.600 MWm, making the total mechanical capacity of 1.13 MWm. However, as per the registered EPDK license (License No: EÜ/902-3/709 and date: 31/08/2006), there is only one unit with 1.13 MWm/1.062 Mwe capacity"
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.*	*All the corrections made in revised MR is found to be acceptable to verification team, hence this CAR is closed.*
Conclusion *Tick the appropriate checkbox*	☐ *To be checked during the next periodic verification* ☐ *Outstanding finding (not closed)* ☒ *The finding is closed*

Finding	***CAR 05***		
Classification	☒ *CAR*	☐ *CL*	☐ *FAR*

Finding	***CAR 05***
Description of finding *(VVB)*	*Section 2.2 of MR needs to discuss following events in line with VCS MR template guidelines:* Describe the process for, and the outcomes from, ongoing communication with local stakeholders conducted prior to verification. Include details on the following: • *The procedures or methods used for engaging local stakeholders (e.g., dates of announcements or meetings, periods during which input was sought).* • *The procedures or methods used for documenting the outcomes of the local stakeholder communication.* • *The mechanism for on-going communication with local stakeholders.* • *How due account of all and any input received during ongoing communication has been taken. Include details on any updates to the project design or justify why updates are not appropriate.*
Corrective Action or clarification #1 *(PP shall write a detailed and clear corrective action or further information for clarification as per finding)*	Necessary details related to LSC mechanism is provided in the MR.
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.*	*All the corrections made in revised MR is found to be acceptable to verification team, hence this CAR is closed.*
Conclusion *Tick the appropriate checkbox*	☐ *To be checked during the next periodic verification* ☐ *Outstanding finding (not closed)* ☒ *The finding is closed*

Finding	***CAR 06***		
Classification	☒ *CAR*	☐ *CL*	☐ *FAR*
Description of finding *(VVB)*	*The gross generation in ER spreadsheet (267.507 MWh) for the month of March 2019 is not matching with the value provided in OSF form (metering records) (276.507 MWh) for the same month.*		

Finding	***CAR 06***
Corrective Action or clarification #1 *(PP shall write a detailed and clear corrective action or further information for clarification as per finding)*	The gross generation in ER spreadsheet is revised as 276.507 MWh for March 2019
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.*	*All the corrections made in revised MR and ER spreadsheet is found to be acceptable to verification team, hence this CAR is closed.*
Conclusion *Tick the appropriate checkbox*	☐ *To be checked during the next periodic verification* ☐ *Outstanding finding (not closed)* ☒ *The finding is closed*

Finding	***CAR 07***		
Classification	☒ *CAR*	☐ *CL*	☐ *FAR*
Description of finding *(VVB)*	*During discussion with PP it has been noticed that following special events occurred that have impact on monitoring of GHG emission reductions.* *1) July to August 2010 Plant was not running due to preventive maintenance* *2) February to April 2014 plant was not running due to no water availability from dam* *3) September 2014 no generation occurred due to no water availability from dam* *However, the same is not discussed in section 3.1 of MR.*		
Corrective Action or clarification #1 *(PP shall write a detailed and clear corrective action or further information for clarification as per finding)*	Following statements is added in Section 3.2.1 1) July to August 2010 Plant was not running due to preventive maintenance 2) February to April 2014 plant was not running due to no water availability from dam 3) September 2014 no generation occurred due to no water availability from dam		
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.*	*All the corrections made in section 3.2.1 of revised MR is found to be acceptable to verification team, hence this CAR is closed.*		
Conclusion *Tick the appropriate checkbox*	☐ *To be checked during the next periodic verification* ☐ *Outstanding finding (not closed)*		

Finding	*CAR 07*
	☒ *The finding is closed*