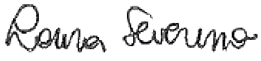
**Verification and certification report form for GS project activities**

| VERICATION AND CERTIFICATION REPORT | |
|---|---|
| **Title of the project activity** | Çakırlar Run-Off-River Hydro Power Plant |
| **GS Reference number of the project activity** | 917 |
| **Version number of the verification and certification report** | 3.0Aa |
| **Completion date of the verification and certification report** | 18/02/2025 |
| **Monitoring period number and duration of this monitoring period** | 1st Monitoring Period of the 2nd Crediting Period<br>20/05/2021 – 20/05/2023 (both days included) |
| **Version number of monitoring report to which this report applies** | Version 04 of 16/02/2025 |
| **Crediting period of the project activity corresponding to this monitoring period** | 01/03/2020 – 28/02/2027 |
| **Project participant(s)** | Anadolu Elektrik Üretim ve Ticaret A.Ş<br>(Private Entity, Project Owner) |
| **Host Party** | Turkey |
| **Sectoral scope(s), selected methodology(ies)** | Sectoral scope 1: Energy Industries (Renewable-/non-renewable sources)<br>ACM0002, Grid-connected electricity generation from renewable sources --- Version 20.0 |
| **Estimated GHG emission reductions or net anthropogenic GHG removals for this monitoring period in the revised registered PDD** | 55,296t$CO_2$ (SDG 13) |
| **Certified GHG emission reductions or net anthropogenic GHG removals for this monitoring period** | 41,271 t$CO_2$ (SDG 13) |
| **Name of VVB** | RINA Services S.p.A. (RINA) |
| **Name, position and signature of the approver of the verification and certification report** |  <br>Laura Severino (Authorized officer signing for VVB)<br>Decarb & Chain of Custody Product Management |

## SECTION A. Executive summary

### Purpose and general description of the project

This is the 1st monitoring period of 2nd crediting period which is started on 01/03/2020 but MP is started on 20/05/2021 because of delay of crediting period and, PD cannot claim credits during the delay period from 01/03/2020 to 20/05/2021 as explained in FAR#1.The project activity is a run-off river hydropower plant with 17.0 MW run off-river hydropower electricity plant (HEPP) near Egrisu, Soval, Kopurten and Suluduz brooks in Artvin, Turkey as confirmed through the Generation License /12/.

The project was operational on 13/08/2009 and registered on 25/02/2015 under the Gold Standard Registry with the registration number GS917. Implementation of the project consisted of construction of the following main items: Four weirs, where water from the river is diverted into conveyance pipes; total length of the conveyance pipes is 8,888 m and powerhouse with Pelton type turbines. The generated electricity is fed to the Turkey national grid. The estimated net electricity production is 59,928.00 MWh and the annual emission reductions are estimated to be 27,610 $tCO_2$ per year as confirmed through the revised registered PDD /1/. The project qualifies as a large-scale GS4GG project activity.

The proposed project activity comprises of renewable energy generation from hydro to energy to generate and deliver electricity to the national grid without thermal energy production. The project type is hydro which is an eligible project type as it is in accordance with Eligible Project Types & Scope under Renewable Energy Activity Requirements. The project is located in Türkiye. Türkiye is upper middle income economy where the penetration level of the proposed Renewable Energy Technology type is less than %5 of the total grid installed capacity, at the time of the first submission to Gold Standard (eligibility clause will come into effect from 24 Jan 2020).

The project activity aims to reduce the greenhouse gas emissions (GS VERs) in Turkey by replacing fossil fuel power generation and contribute to the development of the renewable energy activities - wind energy sector in Turkey, as well as aims to GHG Emissions Reduction & Sequestration and support the local economy by creating local employment and providing equipment locally.

The GHG benefit of the project activity was only accounted under Gold Standard. There are not any other RECs such as VERRA, GCC, Social Carbon or I-REC were being issued for the project activity. Furthermore, as a host country in Turkey such any programme like a government-regulated system or programme for the constraint and monetisation of GHG emissions (such as emissions trading scheme, cap and trade or carbon tax mechanisms) has not been implemented.

### Location

The project is located in the Black Sea Region of Turkey. The project is in Eastern Black Sea basin, within the province of Artvin. The project is on the Murgul creek. The geographical location of the project on Turkey map is 41º 08´ 21´´ - 41º 09´ 23´´ North, and 41º 31´ 05´´ - 41º 33´ 54´´ East /2/.

### Scope of verification

Verification is the periodic independent review and ex-post determination by a VVB of the monitored reductions in GHG emissions that have occurred as a result of the registered GS project activity during a defined monitoring period. Certification is the written assurance by a VVB that, during a specific period in time, a project activity achieved the emission reductions as verified. The objective of this verification is to verify and certify emission reductions reported for the Çakırlar Run-Off-River Hydro Power Plant for the period 20/05/2021 – 20/05/2023.

The scope of the verification is to verify that:

- The project activity has been implemented and operated in accordance with the revised registered PDD or any approved revised PDD;
- The monitoring plan, including compliance with any guidance provided by the Board regarding deviations from the provisions of a registered plan and/or methodology;
- The data and calculation of GHG emission reductions have been assessed to correctly support the emission reductions being claimed.

The verification shall ensure that reported emission reductions are complete and accurate in order to be certified.

**Verification process**

Verification is conducted using RINA procedures in line with the GS requirements and requirements specified in the CDM Validation and Verification Standard available at the time of the verification starts and applying standard auditing techniques. RINA asses and determines that the implementation and operation of the project activity, and steps taken to report emission reductions comply with the GS criteria. The verification assessment involved a document review of relevant documentation and the on-site visit.

Verification is not meant to provide any consultancy towards the project participants. However, stated requests for clarifications and/or corrective actions may have provided input for improvement of the monitoring.

**Conclusion**

RINA commissioned by Anadolu Elektrik Üretim ve Ticaret A.Ş has performed the verification of the emission reductions reported for the project activity Çakırlar Run-Off-River Hydro Power Plant, GS Registration Reference No. 917 for the monitoring period 20/05/2021 – 20/05/2023 with regard to the relevant GS requirements and principles for project activities. The project was validated by RINA Services S.p.A (validation report N° GS_RCP REPORT_2021XTMD14 Cakirlar HEPP_Rev 2.0Aa issued on 05/12/2022) /2/.

The GHG emission reductions are calculated on the basis of the approved methodology ACM0002, Large-scale Consolidated baseline methodology for grid-connected electricity generation from renewable sources - Version 20.0 /7/ and the monitoring plan included in the registered PDD version 05f 18/01/2023 /1/. In our opinion the GHG emission reductions reported for the project in the monitoring report Version 04 of 16/02/2025 are fairly stated.

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

### B.1. Verification team member

| No. | Role | Type of resource | Last name | First name | Affiliation (e.g. name of central or other office of VVB or outsourced entity) | Involvement in | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Desk review | On-site inspection | Interview(s) | Verification findings |
| 1. | Team Leader, Verifier, Technical Expert TA 1.2 | IR | ERDOĞAN | Mehmet | RINA Turkey | ✓ | ✓ | ✓ | ✓ |

### B.1.1. Previous Audit (Validation team member

| No. | Role | Type of resource | Last name | First name | Affiliation (e.g. name of central or other office of VVB or outsourced entity) | Involvement in | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Desk review | On-site inspection | Interview(s) | Verification findings |
| 1. | Team Leader, Verifier, Technical Expert TA 1.2 | IR | Ekinci ÖZEN | Fulya | RINA Turkey | ✓ | ✓ | ✓ | ✓ |

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

| No. | Role | Type of resource | Last name | First name | Affiliation (e.g. name of central or other office of VVB or outsourced entity) |
|---|---|---|---|---|---|
| 1. | Technical reviewer | IR | RACHEV | Konstantin | RINA Bulgaria |
| 2 | Approver | **IR** | SEVERINO | Laura | RINA HO |

### B.2.1. Previous Audit (Technical reviewer and approver of the validation report

| No. | Role | Type of resource | Last name | First name | Affiliation (e.g. name of central or other office of VVB or outsourced entity) |
|---|---|---|---|---|---|
| 1. | Technical reviewer | IR | Amalorpavanathan | Cyril Augustus A | RINA India |

## SECTION C. Application of materiality

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

| No. | Risk that could lead to material errors, omissions or misstatements | Assessment of the risk | | Response to the risk in the verification plan and/or sampling plan |
|---|---|---|---|---|
| | | Risk level | Justification | |
| 1. | Human error in the quantification of emissions | Low | Being 1st verification of the 2nd crediting period, the project | During the site visit, the verification team will |

| | | | | |
|---|---|---|---|---|
| | (which may be more likely to occur if personnel are unfamiliar with, or not well trained regarding, emissions processes or data recording). | | proponent is familiar with monitoring procedures and data reporting in line with the revised registered PDD and previous verification and certification reports. In addition, previous verification periods are performed by RINA. The prime monitoring parameter is net export to grid which is as per monthly generation report as recorded in calibrated energy meters. Hence, the risk level is low. | interview the staffs of the GS team and check all records to confirm whether the monitoring plan has been well implemented. The major parameters used for determining the project's baseline emissions are the measurement of net electricity generation according to the monitoring plan is recorded monthly. The team will review the whole data set of the monthly report and crosschecked against invoice raised. The verification team will check the relevant records to confirm whether the data collection procedure and QA/QC procedure have been well implemented. |
| 2. | Undue reliance on a poorly designed information system, which may have few effective quality controls. | Low | Being 1st verification of the 2nd crediting period, the project proponent has already established a well organized monitoring team, monitoring plan, including data collection procedure and QA/QC procedure consistent with registered monitoring plan. Monitoring equipments are calibrated at defined frequency. Hence, the risk level is low. | |
| 3. | Manual adjustment of otherwise automatically recorded activity levels. | Low | As detailed in section C.2 below, the data of the main monitoring parameters are taken from calibrated meters (energy meter) and can be verified from totalizer values. The monitoring equipment's are calibrated according to national standards and rules. Hence, the risk level is low. | |

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

The project activity happens at a single site and export to grid from the plant is monitored and recorded using calibrated energy meter and 100% data is available for verification. The data which directly affect emission reduction calculations being net electricity generation is monitored and measured by calibrated electricity meters, 100% verifiable. Hence, in line with paragraph 329 and section 9.1.2.3.1 of the CDM Validation and Verification standard /5/ no significant reporting risks to the materiality of the verification were envisaged while planning for the verification and were not identified during the verification process. During the course of the verification, the team reviewed the whole data set of monthly records for net electricity /16/ and cross-checked with monthly meter records /15/. The data reported in the monitoring report are consistent with the monthly records, and the emission reductions are correctly calculated. In conclusion, the verification team confirms the data set to be free from material error.

## SECTION D. Means of verification

### D.1. Desk review

The monitoring report Version 04 of 16/02/2025 and previous version /3/, the emission reduction calculations provided in the form of a spreadsheet “Çakırlar WPP_ER_v3_160220225 .xlsx” version 03, of 16/02/2025 /8/, the approved baseline and monitoring methodology ACM0002 version 20.0 of 28/11/2019 /7/ and all the documentation provided to support the monitoring period /1 – 28/, was assessed as part of the verification. In addition, the Project Design Document (PDD) version 05 of 18/01/2023 /1/, in particular as regards the baseline estimations and the monitoring plan and the Validation Report version 2.0Aa of 05/12/2022 /2/ for the project, were reviewed. The list of all documents reviewed are referenced during the verification is available in Appendix 3 below.

### D.2. On-site inspection / Site visit

| **Duration of site visit:** 13/07/2023 | | | | |
|---|---|---|---|---|
| **No.** | **Activity performed on-site** | **Site location** | **Date** | **Team member** |
| 1. | Implementation and operation of the proposed project activity. Checked the monitoring equipment, interviewed key personnel of the plant to confirm the operational and data collection procedures, cross-checked between information provided in the monitoring report and data plant | Artvin Province | 13/07/2023 | Mehmet Erdoğan |
| 2. | Reviewed the information flows for generating, aggregating and reporting the monitoring parameters | | | |
| 3. | Checked calibration performance, reviewed calculations and assumptions made in determining the GHG data and emission reductions | | | |
| 4. | Checked the quality control and quality assurance procedures in place to prevent or identify and correct any errors or omissions in the reported monitoring parameters | | | |
| 5. | Cross-checked between information provided in the monitoring report and data evidence, including the Gold Standard parameters | | | |

### D.3. Interviews

| **No.** | **Interviewee** | | | | **Date** | **Subject** | **Team member** |
|---|---|---|---|---|---|---|---|
| | **Last name** | **First name** | **Gender** | **Affiliation** | | | |
| 1. | NAL | Uğur | M | Çakırlar WPP *Facility Manager* | 13/07/2023 | • Implementation status of the project<br>• Monitoring equipment and operation<br>• Generated Electricity<br>• Commissioning of the new turbines<br>• Monitoring of Gold Standard Parameters<br>• Local Employees | Mehmet Erdoğan |
| 2 | GÜRGÖR | Hakan | *M* | Çakırlar WPP *Shift Manager* | | | |
| 3. | DURAN | İlke | *M* | *Project Consultant* | | | |
| 4. | YİĞİT | Serkan | M | Kabaca Village *Mukhtar* | | • Benefit of the project to the village<br>• Noise Emission<br>• Local Employment<br>• Grievance/ Input Mechanism | Mehmet Erdoğan |
| 5. | KANTAR | Recep | M | Kabaca Village *stakeholder* | | | |
| 6. | KANTAR | Kenan | M | Budiyet Hometown *stakeholder* | | | |
| 7. | YİĞİT | Adem | M | Kuruçay Village *stakeholder* | | | |
| 8. | KANTAR | Okan | M | Kuruçay Village *stakeholder* | | | |
| 9. | KANTAR | Remziye | W | Kuruçay Village *stakeholder* | | | |

A site visit was conducted on 13/07/2023. Mukhtar of Kabaca village and stakeholders froö Budiyet and Kuruçay Villages as well as local employees were interviewed that the stakeholders have no complaints about the noise or any other things due to the project activity. VVB also assessed whether a comment book available at the most appropriate and publicly accessible location (Kabaca Village where is the nearest location of the project activity) so that stakeholders can provide feedback on the project. During this monitoring period, no comment is received. The project employees were interviewed about the implementation status of the project, monitoring equipment and operation, generated electricity, number of employments and biodiversity.

During interviews, it is asked to the stakeholders and project employees if any legal contests or disputes have arisen during the monitoring period, and they confirm that there is no legal contest or disputes have arisen.

Stakeholders were interviewed during site visit about the benefit of the project to the village, local employment and the complaints for the project activity such as dead mammals etc. The stakeholders confirmed that the

project activity offers employment for the local stakeholders. They also stated that the project has no negative effect and stakeholders have no complaints about the project activity.

### D.4. Sampling approach

Not applicable.

### D.5. Clarification requests, corrective action requests and forward action requests raised

| Areas of verification findings | No. of CR | No. of CAR | No. of FAR |
|---|---|---|---|
| Compliance of the monitoring report with the monitoring report form | | 1 | |
| Compliance of the project implementation with the revised registered PDD | | | 1 |
| Post-registration changes | | | |
| Compliance of the monitoring plan with the monitoring methodology including applicable tool and standardized baseline | | | |
| Compliance of monitoring activities with the registered monitoring plan | | | |
| Compliance with the calibration frequency requirements for measuring instruments | | | |
| Assessment of data and calculation of emission reductions or net removals | | | |
| Assessment of the sustainability parameters | | | |
| **Total** | - | 1 | - |

## SECTION E. Verification findings

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

| | |
|---|---|
| **Means of verification** | The monitoring report latest version /3/ and previous versions submitted by the PP have been the basis for starting the verification process. RINA confirms that the Monitoring report is based on the currently valid GS4GG MR template /9/. |
| **Findings** | NA |
| **Conclusion** | RINA verified that the monitoring report was completed in accordance with the GS4GG-MR-FORM - Monitoring report form, including its Attachment: Instructions for filling out the monitoring report form, version 1.1 /9/. |

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

Based on the review of the Gold Standard Foundation /23/ and previous validation report /2/, 6 FARs was raised during the previous validation period.

**FAR #1**: In-line with GS4GG Principles and Requirements, delay in the completion of revalidation beyond the last date of current certification cycle shall result in a reduction of any issuance of Certified Products and/or Impact Statements available during following certification cycle. Thus, PD cannot claim credits during the delay period from 01/03/2020 to 20/05/2021.

At the time of performance review for second crediting period, VVB shall check the start date of monitoring period. The start date of monitoring period for 2nd crediting period will be the date when the project was submitted for design renewal i.e 20/05/2021. However, the start date of crediting period will remain the same as in the registered GS-PDD.

**Response**: The 1st Monitoring Period of the 2nd Crediting Period is between 20/05/2021 – 20/05/2023.

**FAR #2** As remote audit conducted, VVB shall resume site visit when COVID-19 situation eases In-line with relevant Interim Measures. Location, availability and easy access of the logbook shall be verified on-site.

**Response:** The logbook and the grievance mechanism has been verified during the site visit by the VVB.

**FAR #3:** In-line with GS4GG Principles and Requirements, VVB and PP shall consider the following rule after Design Renewal Certification is achieved: 5.1.29: 1st verification shall be completed within two years after the certification is achieved.

**Response**: The start date of the 1st monitoring period for the 2nd crediting period is 20/05/2021.

**FAR #4:** VVB shall check copy of the updated Terms and Conditions and Cover Letter using latest version of GS4GG templates have been uploaded on SC app.

**Response**: The Terms and Conditions and Cover Letter have been signed and submitted by the project owner.

**FAR #5:** As per GS Requirements, if follow-up site visits are not conducted within three years after the previous site visit, VVB shall not verify the monitoring period falling before three years of the site visit date.

**Response**: After CP Renewal under GS4GG was completed on 28/02/2023, the verification process started. The site-visit was conducted on 13/07/2023.

**FAR #6:** At the time of next verification, VVB shall check and confirm that stream bed between the weirs/regulator and HEPP is long enough for no requirement of fish passage

**Response**: It was confirmed by VVB during the site visit that fish passage was not necessary.

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

| | |
|---|---|
| **Means of verification** | The Monitoring Report for the project activity "Çakırlar Run-Off-River Hydro Power Plant", /3/ submitted by the Anadolu Elektrik Üretim ve Ticaret A.Ş have been the basis for the verification process.<br>It was verified during site visit that the proposed project activity has been implemented and it is in operation in accordance with the project activity described in the revised registered PDD /1/.<br>ANADOLU ELEKTRİK ÜRETİM TİCARET SANAYİ built the Cakirlar Run-Off-River Hydro Power Plant (Cakirlar HPP) with an installed capacity of 17.0 MW in Artvin of Turkey. Cakirlar HPP is connected via a transmission line to the 31.5 kV Cakmakkaya Transformer Station and the generated electricity supplied to Turkey's national electricity grid /12/. The purpose of the Project is to produce renewable electricity using hydroenergy as the power source and to contribute to Turkey's growing electricity demand through a sustainable and low carbon technology. The project will displace the same amount of electricity generatedby the grid dominated with fossil fired power plants. The entire net electricity production is expected to be some 59,928 GWh per year /1/. The estimated amount of emission reductions due to the realization of the proposed clean energy project is 27,610 tons CO2 per annum. /9/. |
| **Findings** | NA |
| **Conclusion** | RINA confirms that the above MR is based on the currently valid MR template /9/ and is completed in accordance with the applicable guidance document /9/. Based on the site visit and checking the above documents, RINA confirms that the project activity has been implemented and it is in operation as described above in accordance with the project activity in the revised registered PDD /1/. |

### E.4. Post-registration changes

#### E.4.1. Temporary deviations from the registered monitoring plan, monitoring methodology or standardized baseline

Not available.

### E.4.2. Corrections

Not available.

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

Not available

### E.4.4. Inclusion of a monitoring plan to a registered project activity

Not available

### E.4.5. Permanent changes from registered monitoring plan, monitoring methodology or standardized baseline

Not available.

### E.4.6. Changes to the project design of a registered project activity

Not available

### E.4.7. Types of changes specific to afforestation and reforestation project activities

Not available

## E.5. Compliance of monitoring plan with the monitoring methodology including applicable tool and standardized baseline

| | |
|---|---|
| **Means of verification** | The project applies the approved methodologies ACM0002 "Consolidated baseline methodology for grid-connected electricity from renewable sources" version 20.0 of 28/11/2019 /7/. The following tools are also applicable to the project activity:<br>Tool to calculate the emission factor for an electricity system, version 07.0 of 31/08/2018 /10/; "Tool for the demonstration and assessment of additionality", version 07.0.0 of 23/11/2012 /11/. |
| **Findings** | NA |
| **Conclusion** | The monitoring plan in the revised registered PDD /1/ is in accordance with the monitoring methodology ACM0002 "Consolidated baseline methodology for grid-connected electricity from renewable sources" version 20.0 of 28/11/2019 /7/. |

## E.6. Compliance of monitoring activities with the registered monitoring plan

### E.6.1. Data and parameters fixed ex ante or at renewal of crediting period

**Means of verification**

The parameters were available at the validation stage, which do not need to monitor during the crediting period, as per the revised registered PDD:

| DATA/ PARAMETER | Source of data | Reported value for the project period | Assessment/ Observation |
|---|---|---|---|
| Combined Margin Emission Factor | TEIAS statistics | 0.4607 $tCO_2$/MWh | As per the approved methodology ACM0002 version 20.0, the combined emission factor has been determined using the ex-ante option and so it is not requested to monitor and recalculate the emission factors during the crediting period.<br>The combined emission factor is determined to be 0.6198 $tCO_2$/MWh in the revised registered PDD /1/ and validation report /2/. |
| Building Margin Emission Factor | TEIAS statistics | 0.3812 $tCO_2$/MWh | As per the approved methodology ACM0002 version 20.0, the building emission factor has been determined using the ex-ante option and so it is not requested |

| | | | | |
|---|---|---|---|---|
| | | | | to monitor and recalculate the emission factors during the crediting period.<br>The building emission factor is determined to be 0.3812 $tCO_2$/MWh in the revised registered PDD /1/ and validation report /2/. |
| | Operating Margin Emission Factor | TEIAS statistics | 0.6993 $tCO_2$/MWh | As per the approved methodology ACM0002 version 20.0, the operating emission factor has been determined using the ex-ante option and so it is not requested to monitor and recalculate the emission factors during the crediting period.<br>The operating emission factor is determined to be 0.6993 $tCO_2$/MWh in the revised registered PDD /1/ and validation report /2/. |
| **Findings** | **NA** | | | |
| **Conclusion** | Data and parameters fixed ex-ante are in accordance with the registered revised PDD /1/. | | | |

### E.6.2. Data and parameters monitored

**Means of verification**

The following parameters are monitored in accordance with the revised registered PDD /1/. The only monitoring parameter is "Quantity of net electricity generation supplied by the project plant to the grid in year y ($EGPJ_{,grid,y}$)" as per the registered monitoring plan presented in the revised registered PDD /1/. The parameter is monitored continuously as "MWh" by two electricity meters that are located at the project area. The main meter was LANDIS with serial number 56753526 was calibrated on 15/11/2021 and the backup meter was ELSTER with serial number 374149 on 2008 and checked by energy distribution company during calibration process of new meter and no inconsistency is recorded so old meter still active.

The meters have the accuracy of 0.5s as confirmed through site visit and test performed by TEIAS /19-20/. The accuracy class of the meters complies with the "Communiqué for Measurement Devices used in the Electricity Market" /17/. The electricity meters are sealed by TEIAS as confirmed via site visit.

According to the monitoring plan in the registered PDD /1/ and in the monitoring report, estimated ($EGPJ_{,grid,y}$) and the following sustainability parameters (SDGs) are monitored.

**(EGPJ,grid,y) Quantity of net electricity generation supplied by the project plant to the grid (starting from 20/05/2021 to 20/05/2023) as follows;**

| Period | Generation (MWh) |
|---|---|
| 20.05.2021 – 31.12.2021 | 26,360.88 |
| 01.01.2022 – 31.12.2022 | 44,282.01 |
| 01.01.2023 – 20.05.2023 | 18,943.46 |
| **Total** | **89,586.36** |

The details of verified calculation are provided by the PP via calculation spreadsheet /8/.

Actual SDGs:

SDG 7: Affordable and Clean Energy: 89,586.36 MWh MP total.

SDG 8: 14 employment development in the region and training are providing.

| | |
|---|---|
| | SDG 13: Emission Reduction: 41,271 $tCO_2$ for MP total.<br><br>The following parameters have been monitored in accordance with the monitoring plan in the registered PDD /1/ and the monitoring report /3/.<br>Actual values of SDGs achieved during this monitoring period have been presented for the following sections of this report. |
| **Findings** | **NA** |
| **Conclusion** | RINA's opinion that the monitoring of the project activity has been carried out in accordance with the monitoring plan in the revised PDD /1/. |

### E.6.3. Implementation of sampling plan

| | |
|---|---|
| **Means of verification** | N/A |
| **Findings** | N/A |
| **Conclusion** | N/A |

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

**Means of verification**

TEAIS is responsible for calibration and maintenance of the devices as per the revised registered PDD. The project owner has no control on the meters since the meters are sealed by the TEIAS. If any major discrepancy occurs between the two meters, TEIAS performs necessary calibration. During this monitoring period no discrepancy was occurred.

The main meter was controlled (periodical) on 15/11/2021 as confirmed through the electricity meter exchange protocol report /19/. The periodical controls of these meters will be done in line with the equipment requirements and through the period defined by national metrology institutes country by country and for Turkey this period is defined as 10 years. The calibration of meters is deemed appropriate and in compliance with the national regulation /20/.

During site visit assessment, it was confirmed that the meters are in place and functions well and no breakdown has been recorded. The specification of electricity meters is provided below:

| Name | Serial Number | Brand – Model | Year of Manufacture | Accuracy Class |
|---|---|---|---|---|
| **Main Meter** | 56753526. | Landis Gry | 2021 | 0.5S |
| **Backup meter** | 374149 | ELSER | 2008 | 0.5S |

| | |
|---|---|
| **Findings** | NA |
| **Conclusion** | RINA's opinion that the monitoring of the project activity has been carried out in accordance with the monitoring plan in the revised registered PDD /1/. |

### E.8. Assessment of data and calculation of emission reductions or net removals

### E.8.1. Calculation of baseline GHG emissions or baseline net GHG removals by sinks

**Means of verification**

The baseline emissions include the $CO_2$ emissions from electricity generation in fossil fuel fired power plants that are displaced due to the project activity, multiplying the electricity supplied to the grid (MWh) with the combined margin $CO_2$ emission factor for grid connected power generation in year.

$BEy = (EGy - EG_{baseline}) \times EF_{grid,CM,y}$

Where:
Bey = Baseline emissions in tonnes $CO_2e$
$EF_{grid, CM,y}$= Combined margin $CO_2e$ emission factor for grid connected power generation in year y calculated using the latest version of the "Tool to calculate the emission factor for an electricity system" [$tCO_2e/MWh$].
$EG_y$ = Net electricity supplied to the Grid in MWh
y = Refers to a given period

| | |
|---|---|
| | Baseline emission for this monitoring period = 89,586.36 MWh * 0.4607 $tCO_2e$/MWh = 41,271 $tCO_2e$<br><br>**The details of verified calculation are provided by the PP via calculation spreadsheet.** |
| **Findings** | NA |
| **Conclusion** | RINA verified that the baseline emissions were calculated in accordance with the revised registered PDD and methodology ACM0002 "Consolidated baseline methodology for grid-connected electricity from renewable sources" version 20.0 of 28/11/2019 /7/. |

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

| | |
|---|---|
| **Means of verification** | The project emissions are assumed to be zero as per the ACM0002 /7/ since the project is a renewable energy project as defined in the revised registered PDD /1/ and validation report /2/. |
| **Findings** | NA |
| **Conclusion** | RINA verified that the project emissions were assumed 0 in accordance with the revised registered PDD /1/ and methodology ACM0002 /7/ |

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

| | |
|---|---|
| **Means of verification** | The leakage emissions are assumed to be zero as per the ACM0002 /7/ as defined in the revised registered PDD /1/. Since the project and leakage emissions are zero, the emission reduction equals to baseline emissions. |
| **Findings** | NA |
| **Conclusion** | Leakage was considered as zero in accordance with the applied methodology /7/. |

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

| | |
|---|---|
| **Means of verification** | According to the applied methodology "ACM0002", "Consolidated baseline methodology for grid-connected electricity from renewable sources" /7/, the emission reductions have been calculated based on the following formula:<br><br>Emission reductions are calculated as follows /8/:<br><br>ERy = BEy − PEy − LEy<br>Where:<br>ERy = Emission reductions in year y (t $CO_2$/yr).<br>BEy = Baseline emissions in year y (t $CO_2$/yr).<br>PEy = Project emissions in year y (t $CO_2$/yr).<br>LEy = Leakage emissions in year y (t $CO_2$/yr).<br><br>Baseline emission for this monitoring period = 89,586.36 MWh * 0.4607 $tCO_2e$/MWh = 41,271 $tCO_2e$ |
| **Findings** | NA |
| **Conclusion** | The emission reduction calculations provided in the spreadsheet /8/ have been verified to be correct and in line with the revised registered PDD /1/ and applied methodologies /7/. |

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

| | |
|---|---|
| **Means of verification** | The emission reductions from the project for the monitoring period as reported in the monitoring report is equivalent to 41,271 $tCO_2$. The reported emission reductions are %25.40.10 lower than the estimated emission reduction of 55,296$tCO_2$ for the period 20/05/2021 – 20/05/2023 as per the registered PDD /1/ due to lower precipitation than expected. The calculation is verified through calculation spreadsheet /8/. |

| | |
|---|---|
| **Findings** | NA |
| **Conclusion** | The actual emission reduction is higher than the estimated reduction given in the registered PDD /1/. The reason of the difference between the actual and estimation emission reduction is explained related to higher wind speed than expected. |

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

| | |
|---|---|
| **Means of verification** | The emission reductions from the project for the monitoring period as reported in the monitoring report is equivalent to 41,271 $tCO_2$. The reported emission reductions are %25.40 lower than the estimated emission reduction of 55,296$tCO_2$ for the period 20/05/2021 – 20/05/2023 as per the registered PDD /1/ due to lower precipitation than expected. The calculation is verified through calculation spreadsheet /8/. Finally, the effect of the 25.40% decrease in emissions reductions on the IRR is also examined. Because electricity generation and also ER is lower than expected so project is still additional and will not be attractive without carbon revenue. |
| **Findings** | NA |
| **Conclusion** | The actual emission reduction is higher than the estimated reduction given in the registered PDD /1/. The reason of the difference between the actual and estimation emission reduction is explained related to higher wind speed than expected. |

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

| | |
|---|---|
| **Means of verification** | The emission reductions from the project for the monitoring period as reported in the monitoring report is equivalent to 41,271 $tCO_2$. The reported emission reductions are %25.40 lower than the estimated emission reduction of 55,296 $tCO_2$ for the period 20/05/2021 – 20/05/2023 as per the registered PDD /1/ due to lower precipitation than expected. The calculation is verified through calculation spreadsheet /8/. |
| **Findings** | NA |
| **Conclusion** | The actual emission reduction is higher than the estimated reduction given in the registered PDD /1/. The reason of the difference between the actual and estimation emission reduction is explained related to higher wind speed than expected. |

### E.8.8. Assessment of the sustainability parameters

**Means of verification**

The assessment of the monitored parameters is described in the tables below:

| Data variable | Source of Data | Reported value for the project period |
|---|---|---|
| Climate Action (SDG 13)<br>Amount of $CO_2$ emission | TEIAS Statistics and Electricity Generation Calculation Spreadsheet /8/ /15/ | Emission reduction: 41,271 $tCO_2$ |

| **Period** | **VERs (tCO2)** |
|---|---|
| 20/05/2021 – 31/12/2021 | 12,144 |
| 01/01/2022 – 31/12/2022 | 20,400 |
| 01/01/2023 – 20/05/2023 | 8,727 |
| **Total** | **41,271** |

Assessment

Amount of $CO_2$, emissions: The parameter is monitored once a year during crediting period by calculation with the TEIAS statistics and electricity generation. The values for the monitoring period are verified through supporting documents and calculations /8/.

| Data variable | Source of Data | Reported value for the project period |
|---|---|---|
| Quality of Employment (SDG 8)<br>Trainings | Certificates and attendance lists of the trainings. /22/ | Employees participated to the trainings.<br>2021 14 employees<br>2022 14 employees<br>2023 14 employees |
| Assessment | | |

*Trainings:* The parameter is monitored on a year base by checking the certificates and attendance lists of the trainings. All the trainings are provided to the verification team /22/ and the details are presented in the MR /3/.

| Data variable | Source of Data | Reported value for the project period |
|---|---|---|
| Quantity of net electricity generation supplied by the project plant to the grid in year y (SDG 7)<br>Balance of Payments and Investment (SDG 7)<br>Avoided fossil fuels | Electricity meters<br>Electricity Generation and Calculation /8/ | 89,586.36 MWh net electricity generation for MP. |

| **Period** | **Generation (MWh)** |
|---|---|
| 20/05/2021 – 31/12/2021 | 26,360.88 |
| 01/01/2022 – 31/12/2022 | 44,282.01 |
| 01/01/2023 – 20/05/2023 | 18,943.46 |
| **Total** | **89,586.36** |

Assessment

*(EGPJ,grid,y)$_{,y}$:* This parameter is monitored by electricity meters and in this monitoring period totally 89,586.36 MWh is measured /8/ /15/ and calculated for the net electricity generation.

| Data variable | Source of Data | Reported value for the project period |
|---|---|---|
| Quantitative Employment and Income Generation (SDG 8)<br>Number of employees and Rate of local people as employees | SGK Records and Recruitment Documents /21/ | 14 employees are hired.<br>2021 14 employees<br>2022 14 employees<br>2023 14 employees |

Assessment

*Employment Contracts and Rate of Local People:* This parameter is monitored on each verification by the Registration Document /21/ of employees. It was confirmed that 14 employees are hired by the project, and it is confirmed by the recruitment documents.

| Data variable | Source of Data | Reported value for the project period |
|---|---|---|
| Safeguarding Principle 8.1: Impact on Natural Water Patterns/Flows | Calculation<br>State Water Works (DSI) measurements | The minimum water released by the plant is above 150 lt/sec at all times during the monitoring period within statistical significance (The released water from the plant is both above the 150 lt/sec and "minimum 10 percent rule", an estimated rule by the Environmental Due Diligence study and 150 lt/sec). |

Assessment

Amount of minimum water rule: The parameter is monitored on continuous measurement by State Water Works (DSI). Therefore, it was confirmed that minimum water flow is 150 lt/sec. during this monitoring period.

| Data variable | Source of Data | Reported value for the project period |
|---|---|---|
| Safeguarding Principle 8.2: Erosion and/or Water Body Instability | Visual inspection | The project activity has developed activities for prevention of soil erosion. The project owner is committed to |

<table>
<tr><td></td><td>
<table>
<tr><td></td><td></td><td>minimize deforestation and commit to reforestation.<br>The Project Developer replaced the trees cut during the construction of the Project. Riverbed and Riverside have been protected.</td></tr>
<tr><td colspan="3">Assessment</td></tr>
<tr><td colspan="3">Amount of minimum water rule: The parameter is examined by visual inspection during on site visit and reforestation activities are seen on site.</td></tr>
</table>
<table>
<tr><td>Data variable</td><td>Source of Data</td><td>Reported value for the project period</td></tr>
<tr><td>Safeguarding Principle 9.5: Hazardous and Non-hazardous Waste</td><td>Waste transfer records</td><td>Hazardous wastes are handled appropriately in closed containers and transported by licensed transporters to the licensed processing and disposal facilities.</td></tr>
<tr><td colspan="3">Assessment</td></tr>
<tr><td colspan="3">Amount of minimum water rule: Waste transfer records are seen and waste oil and other hazardous wastes are sent to licensed companies with max 6 months period.</td></tr>
</table>
</td></tr>
<tr><td>Findings</td><td>NA</td></tr>
<tr><td>Conclusion</td><td>RINA verified that the GS indicators described in the monitoring report /3/ are accurate and real. Data to cross check the monitored parameters are available at the office of the company. Also, the registers of the sustainability indicators were available during the site visit.</td></tr>
</table>

**Internal quality control**

The draft final verification report before being submitted to the client will be/is subjected to an independent technical review to confirm that all validation activities has been completed according to the pertinent RINA's procedures. The technical review will be/is performed by a technical reviewer(s) qualified in accordance with the RINA's qualification procedure.

## SECTION F. Verification opinion

RINA Services Spa (RINA) has performed verification of the emission reductions reported for the project activity Çakırlar Run-Off-River Hydro Power Plant, GS Registration Reference No. 917 for the period 20/05/2021 – 20/05/2023, with regard to the relevant GS4GG requirements and principles /4/. The project participants are responsible for the preparation for the collection of data in accordance with the monitoring plan and the reporting emission reductions from the project. It is RINA's responsibility to express an independent verification opinion on the reported emission reductions from the project and VVBs not express any opinion on the selected baseline scenario or on the validated and revised registered PDD. Based on documented evidences and corroborated by an on-site assessment RINA can confirm that: (i) the project has been implemented and operated as per the revised registered PDD; (ii) the monitoring report and other supporting documents provided are complete and verifiable and in accordance with the applicable GS requirements and principles; (iii) the monitoring is in place as per the applied baseline and monitoring methodology; (iv) the monitoring complies with the registered monitoring plan; (v) the monitoring plan in the revised registered PDD is as per the applied baseline and monitoring methodology.

## SECTION G. Certification statement

It is RINA's opinion that the GHG emission reductions (GS VERs) stated in the latest version of monitoring report (Version 04 of 16/02/2025) /3/ for the project activity "Çakırlar Run-Off-River Hydro Power Plant" for the period 20/05/2021 – 20/05/2023 are fairly stated. The GHG emission reductions were calculated correctly on the basis of the approved monitoring methodology ACM0002, Large-scale Consolidated baseline methodology for grid-connected electricity generation from renewable sources - version 20.0 /7/. Hence RINA is able to certify that the emission reductions from the project during the monitoring period 20/05/2021 – 20/05/2023 amount to 41,271 $tCO_2$ totally. For 20/05/2021 to 31/12/2021 ER is 12,144 $tCO_2$; 01/01/2022 to 31/12/2022 ER is 20,400 $tCO_2$ and for 01/01/2023 to 20/05/2023 ER is 8,727 $tCO_2$.

**Appendix 1. Abbreviations**

| Abbreviations | Full texts |
|---|---|
| BE | Baseline Emissions |
| CAR | Corrective Action Request |
| CDM | Clean Development Mechanism |
| CDM M&P | Modalities and Procedures CDM |
| CER(s) | Certified Emission Reduction(s) |
| $CH_4$ | Methane |
| CL | Clarification Request |
| $CO_2$ | Carbon dioxide |
| $CO_2e$ | Carbon dioxide equivalent |
| CRT | Coordination and Technical Control Staff |
| DCI | Certification Division of RINA Services Spa |
| DNA | Designated National Authority |
| VVB | Validation Verification Body |
| EB | Executive Board |
| EPIAS | Energy Market Operation Inc. |
| ER | Emission Reductions |
| FAR | Forward Action Request |
| GHG(s) | Greenhouse gas(es) |
| GS4GG | Gold Standard for Global Goals |
| GWP | Global Warming Potential |
| IPCC | Intergovernmental Panel on Climate Change |
| LoA | Letter of Approval |
| MoV | Means of Verification |
| MR | Monitoring Report |
| NGO | Non-governmental Organization |
| ODA | Official Development Assistance |
| PDD | Project Design Document |
| PE | Project Emission |
| PP(s) | Project Participant(s) |
| Ref. | Document Reference |
| RINA | RINA Services Spa |
| SS(s) | Sectoral Scope(s) |
| TA(s) | Technical Area(s) |
| TEIAS | Turkish Electricity Transmission Company (Turkiye Elektrik Iletim A.S.) |
| UNFCCC | United Nations Framework Convention on Climate Change |
| VVS | Validation and Verification Standard |

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

**CERTIFICATO DI QUALIFICA**
***QUALIFICATION CERTIFICATE***

| | |
|---|---|
| Si attesta che il sig.:<br>*We declare that Mr:* | **Mehmet ERDOGAN** |
| è qualificato come[1]:<br>*is qualified as:* | **TL – VAL[4] – VER – TEC – REG-EXP[3]- ITR** |
| nello schema[2]:<br>*for the scheme:* | **VCS – CCB – GS4GG** |
| per le seguenti aree tecniche:<br>*for the following technical areas:* | **1.1 – 1.2 – 9.2 – 13.1 – 13.2** |

| AREE TECNICHE<br>TECHNICAL AREAS | DESCRIZIONE DELL'AREA TECNICA<br>*TECHNICAL AREA DESCRIPTION* | SCOPO SETTORIALE<br>*SECTORAL SCOPE* |
|---|---|---|
| 1.1 | Thermal energy generation | 1 |
| 1.2 | Renewables | 1 |
| 3.1 | Energy demand | 3 |
| 9.2 | Iron, steel and Ferro-alloy production | 9 |
| 13.1 | Waste handling and disposal | 13 |
| 13.2 | Manure | 13 |

in accordo alle istruzioni dell'Unità responsabile (OU) per sostenibilità & cambiamenti climatici.
*in accordance with the instructions of the responsible unit (OU) for the sustainability & climate change.*

| REVISIONE<br>*REVISION* | DATA<br>*DATE* | MOTIVAZIONI PER LA REVISIONE<br>*REASON FOR THE REVISION* |
|---|---|---|
| 0 | 24.03.2023 | First Issue |
| 1 | 12/04/2023 | GS4GG extension |
| 2 | 24/07/2023 | GS4GG VAL extension |
| 3 | 10/12/2023 | TEC SS3 extension |
| 4 | 31/01/2024 | ITR extension |

Il Responsabile di schema
*Scheme Manager*

[1]

| | |
|---|---|
| VAL: | Validator |
| VER: | Verifier |
| TEC: | Technical Expert |
| TL: | Team Leader |
| FIN-EXP: | Financial Expert |
| REG-EXP : | Regional Expert |
| ITR : | Independent Reviewer |
| DET: | Determiner |

[2]

| | |
|---|---|
| CDM: | Clean Development Mechanism |
| VCS: | Verified Carbon Standard |
| GS4GG: | Gold Standard for Global Goals |
| SCS: | SocialCarbon Standard |
| JI: | Joint Implementation |
| ISO14064-2 : | International standard 14064 part 2 |
| UER : | Upstream Emission Reduction |
| CCB : | The Climate, Community & Biodiversity Alliance |

[3] Turkey

[4] For GS4GG only

## CERTIFICATO DI QUALIFICA
## *QUALIFICATION CERTIFICATE*

| | |
|---|---|
| Si attesta che il sig./sig.ra:<br>*We declare that Mr/Mrs/Ms:* | **Konstantin Dimitrov RACHEV** |
| è qualificato come[1]:<br>*is qualified as:* | **TL – VAL – VER – TEC – ITR** |
| nello schema[2]:<br>*for the scheme:* | **GS4GG – VCS – SCS – UER – CCB - ISO14064-2** |
| per le seguenti aree tecniche:<br>*for the following technical areas:* | **1.2 – 3.1 – 5.1 – 13.1** |

| AREE TECNICHE<br>TECHNICAL AREAS | DESCRIZIONE DELL'AREA TECNICA<br>*TECHNICAL AREA DESCRIPTION* | SCOPO SETTORIALE<br>*SECTORAL SCOPE* |
|---|---|---|
| 1.2 | Renewables | 1 |
| 5.1 | Chemical industry | 5 |
| 13.1 | Solid waste and wastewater | 13 |
| 3.1 | Energy demand | 3 |

in accordo alle istruzioni dell'Unità responsabile (OU) per sostenibilità & cambiamenti climatici.
*in accordance with the instructions of the responsible unit (OU) for the sustainability & climate change.*

| REVISIONE<br>*REVISION* | DATA<br>*DATE* | MOTIVAZIONI PER LA REVISIONE<br>*REASON FOR THE REVISION* |
|---|---|---|
| 0 | 19/07/2016 | - |
| 1 | 20/03/2022 | Update qualification as ITR |
| 2 | 31/01/2024 | Update to TA 3.1 |

Il Responsabile di schema
*Scheme Manager*

[1] **Legend:**

| | |
|---|---|
| VAL: | Validator |
| VER: | Verifier |
| TEC: | Technical Expert |
| TL: | Team Leader |
| FIN-EXP: | Financial Expert |
| REG-EXP : | Regional Expert |
| ITR : | Independent Reviewer |
| DET: | Déterminer |

[2] **Legend:**

| | |
|---|---|
| CDM: | Clean Development Mechanism |
| VCS: | Verified Carbon Standard |
| GS4GG: | Gold Standard for Global Goals |
| SCS: | SocialCarbon Standard |
| JI: | Joint Implementation |
| ISO14064-2 : | International standard 14064 part 2 |
| UER : | Upstream Emission Reduction |
| CCB : | The Climate, Community & Biodiversity Alliance |

**Appendix 3. Documents reviewed or referenced**

| No | Author | Title | References to the document | Provider |
|---|---|---|---|---|
| 1 | Sekans | GS-PDD for "Çakırlar Run-Off-River Hydro Power Plant" in Turkey | version 05 of 18/01/2023 | Project participant |
| 2 | RINA S.p.A | Validation Report for "Çakırlar Run-Off-River Hydro Power Plant" 2020XTMD26, version 2.0Aa issued on 05/12/2022. | version 2.0Aa issued on 05/12/2022 | Others |
| 3 | Sekans | GS4GG Monitoring Report for "Çakırlar Run-Off-River Hydro Power Plant" | Version 04 of 16/02/2025<br>Version 03 of 03/12/2024<br>Version 02 of 09/11/2023<br>Version 01 of 11/07/2023 | Project participant |
| 4 | Gold Standard Foundation | Gold Standard for Global Goals Principles & Requirements | version 1.2 of 23/10/2019 | Publicly available |
| 5 | Gold Standard Foundation | Gold Standard for Global Goals Validation/Verification Body Requirements | Version 2.0 of 14/01/2021 | Publicly available |
| 6 | CDM Executive Board | Clean Development Mechanism Validation and Verification Standard | version 03.0 of 09/09/2021 | Publicly available |
| 7 | CDM Executive Board | Baseline and monitoring methodology "ACM0002" "Consolidated baseline methodology for grid-connected electricity from renewable sources" | version 20.0 of 28/11/2019 | Publicly available |
| 8 | Sekans | Emission Reduction Calculation Spreadsheet "Çakırlar HEPP_ER_v3_16022025 .xlsx"<br>Emission Reduction Calculation Spreadsheet "Çakırlar HEPP_ER_v2_09112023 .xlsx"<br>Emission Reduction Calculation Spreadsheet "Çakirlar HEPP_ER_v1_11072023 .xlsx" | Version 03 of 16/02/2025<br>Version 02 of 09/11/2023<br>Version 01 of 11/07/2023 | Project participant |
| 9 | Gold Standard Foundation | Gold standard for the global goals Monitoring Report Template | version 1.1 of 14/10/2020 | Publicly available |
| 10 | CDM Executive Board | Methodological Tool "Tool to calculate the emission factor for an electricity system" | version 07.0 of 31/08/2018 | Publicly available |
| 11 | CDM Executive Board | Methodological Tool " Tool for the demonstration and assessment of additionality" | version 07.0 of 23/11/2012 | Publicly available |
| 12 | Energy Market Regulatory Authority | Generation License EU/1127-1/811 (amended on 07/08/2008) | date of 07/08/2008 | Project participant |
| 13 | Social Security Institution | Recruitment Document for Employees | submitted on 08/2023 | Project participant |
| 14 | TEIAS | Monthly Meter Reading Protocols (OSF) | For MP | Project participant |
| 15 | Enerji Piyasaları İşletme A.S.(EPIAS) | Monthly Electricity Records within the Monitoring Period | For MP | Project participant |
| 16 | Energy Market Regulatory Authority | Communiqué for Measurement Devices used in the Electricity Market | date of 22/03/2003 | Publicly available |
| 17 | Energy Market Regulatory Authority | Regulation of Metering and Testing of Metering Systems | date of 24/07/1994 | Publicly available |
| 18 | Private Company | Waste Receipt Form (Hazardous) - MOTAT | submitted on 09/11/2020 | Project participant |

| | | | | |
|---|---|---|---|---|
| 19 | TEIAS | Changing of Electrcity Meters (First Index Protocol) Main-Spare | 15/11/2021 - Main 01/09/2009 Spare | Project participant |
| 20 | TEIAS | Electricity meter calibration report | date of 15/02/2021 | Project participant |
| 21 | Social Security Institution | Service List for 14 Employees | Submitted on 08/2023 | Project participant |
| 22 | OSGB | Health and Safety Training for all Employees | Date of 27-28/12/2022 | Project participant |
| 23 | GS4GG | Design Review under Gold Standard for the Global Goals | Submitted on 19/07/2021 | Project participant |
| 24 | Anadolu Elektrik | Logbook | Submitted on 06/08/2021 | Project participant |
| 25 | The Consultant (TCT) | Report_Cakirlar_Artvin_Environmental_Due_Diligence_TCT_May_2013 | Submitted on 04/03/2013 | Project participant |
| 26 | VCS Website | https://registry.verra.org/app/search/VCS/All%20Projects | Retrieved on: 08/02/2024 | Project participant |
| 27 | GCC Website | https://projects.globalcarboncouncil.com/pages/submitted_projects https://projects.globalcarboncouncil.com/pages/approved_projects | Retrieved on: 08/02/2024 | Project participant |

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

**Table 1. Remaining FAR from validation and/or previous verification**

| **FAR ID** | 1 | **Section no.** | | **Date:** |
|---|---|---|---|---|
| **Description of FAR** | | | | |
| In-line with GS4GG Principles and Requirements, delay in the completion of revalidation beyond the last date of current certification cycle shall result in a reduction of any issuance of Certified Products and/or Impact Statements available during following certification cycle. Thus, PD cannot claim credits during the delay period from 01/03/2020 to 20/05/2021.<br><br>At the time of performance review for second crediting period, VVB shall check the start date of monitoring period. The start date of monitoring period for 2nd crediting period will be the date when the project was submitted for design renewal i.e 20/05/2021. However, the start date of crediting period will remain the same as in the registered GS-PDD. | | | | |
| **Project participant response** | | | | **Date:** |
| The 2nd Monitoring Period of the 2nd Crediting Period is between 20/05/2021 – 31/07/2023. | | | | |
| **Documentation provided by project participant** | | | | |
| | | | | |
| **DOE assessment** | | | | **Date:** |
| CP start date is 20/05/2021. | | | | |

| **FAR ID** | 2 | **Section no.** | | **Date:** |
|---|---|---|---|---|
| **Description of FAR** | | | | |
| As remote audit conducted, VVB shall resume site visit when COVID-19 situation eases In-line with relevant Interim Measures. Location, availability and easy access of the logbook shall be verified on-site. | | | | |
| **Project participant response** | | | | **Date:** |
| The logbook and the grievance mechanism has been verified during the site visit by the VVB. | | | | |
| **Documentation provided by project participant** | | | | |
| | | | | |
| **DOE assessment** | | | | **Date:** |
| Logbooks are examined during site visit for e.g Kabaca Village Logbook. | | | | |

| **FAR ID** | 3 | **Section no.** | | **Date:** |
|---|---|---|---|---|
| **Description of FAR** | | | | |
| In-line with GS4GG Principles and Requirements, VVB and PP shall consider the following rule after Design Renewal Certification is achieved: 5.1.29: 1st verification shall be completed within two years after the certification is achieved. | | | | |
| **Project participant response** | | | | **Date:** |
| The start date of the 1st monitoring period for the 2nd crediting period is 20/05/2021. | | | | |
| **Documentation provided by project participant** | | | | |
| | | | | |
| **DOE assessment** | | | | **Date:** |
| Design certification date is 19/07/2021 and on site visit was conducted on 13/07/2023 and aim to finalize and submit until end of 02/2024. | | | | |

| FAR ID | 4 | Section no. | | Date: |
|---|---|---|---|---|
| **Description of FAR** | | | | |
| VVB shall check copy of the updated Terms and Conditions and Cover Letter using latest version of GS4GG templates have been uploaded on SC app. | | | | |
| **Project participant response** | | | | **Date:** |
| The Terms and Conditions and Cover Letter have been signed and submitted by the project owner. | | | | |
| **Documentation provided by project participant** | | | | |
| | | | | |
| **DOE assessment** | | | | **Date:** |
| Please submit them to SC Platform. | | | | |

| FAR ID | 5 | Section no. | | Date: |
|---|---|---|---|---|
| **Description of FAR** | | | | |
| As per GS Requirements, if follow-up site visits are not conducted within three years after the previous site visit, VVB shall not verify the monitoring period falling before three years of the site visit date. | | | | |
| **Project participant response** | | | | **Date:** |
| After CP Renewal under GS4GG was completed on 28/02/2023, the verification process started. The site-visit was conducted on 13/07/2023. | | | | |
| **Documentation provided by project participant** | | | | |
| | | | | |
| **DOE assessment** | | | | **Date:** |
| Last audit (re-validation) was conducted on 25/03/2021 by online ways. Verification conducted on site on 13/07/2023. | | | | |

| FAR ID | 6 | Section no. | | Date: |
|---|---|---|---|---|
| **Description of FAR** | | | | |
| At the time of next verification, VVB shall check and confirm that stream bed between the weirs/regulator and HEPP is long enough for no requirement of fish passage. | | | | |
| **Project participant response** | | | | **Date:** |
| It was confirmed by VVB during the site visit that fish passage was not necessary. | | | | |
| **Documentation provided by project participant** | | | | |
| | | | | |
| **DOE assessment** | | | | **Date:** |
| According to Çakirlar run-of-the-river HEPP Environmental Due Diligence “There is no any fish passes built on the regulator. This situation is not important for the fish species inhabited in the area, because the stream bed between regulators/weirs and the HEPP is long enough for reproduction for *Salmo trutta macrostigma*. Besides, no other HEPP construction is found upstream of the weirs/regulator, therefore these area are also suitable for the maintenance of aquatic organisms living in the area.” | | | | |

**Table 2. CR from this verification**

| **CR ID** | | **Section no.** | | **Date:** 13/07/2023 |
|---|---|---|---|---|
| **Description of CR** | | | | |
| 1- Please add FARs in Design Renewal Review under Gold Standard for the Global Goals to MR. | | | | |
| **Project participant response** | | | | **Date:** 23/01/2024 |
| The FARs in Design Renewal Review under Gold Standard for the Global Goals have been included in MR. | | | | |
| **Project participant response** | | | | |
| The MR has been revised. | | | | |
| **DOE assessment** | | | | **Date:** |
| | | | | |

**Table 3. CAR from this verification**

| CAR ID | 1 | Section no. | 1.11 | Date: |
|---|---|---|---|---|
| **Description of CAR** | | | | |
| | | | | |
| **Project participant response** | | | | **Date:** |
| | | | | |
| **Documentation provided by project participant** | | | | |
| | | | | |
| **DOE assessment** | | | | **Date:** |
| | | | | |

**Table 4. FAR from this verification**

| **FAR ID** | 1 | **Section No.** | | **Date:** 07/02/2024 |
|---|---|---|---|---|
| **Description of FAR** | | | | |
| During site visit it is seen that electricity meter with serial no 374149 and active since 2008 and not replaced despite the law of measurement and measurement equipment and period of replacement period is defined as 10 years there. In next verification it should be examined that spare meter is changed with new one. | | | | |
| **Project participant response** | | | | **Date:** |
| | | | | |
| **Documentation provided by project participant** | | | | |
| | | | | |
| **DOE assessment** | | | | **Date:** |
| | | | | |

**Document information**

| *Version* | *Date* | *Description* |
|---|---|---|
| 01.0 | 10/06/2016 | Initial publication. |