



**Verified Carbon  
Standard**

## “VERIFICATION REPORT OF TATAR HYDRO ELECTRICITY POWER PLANT”



Prepared by EPIC Sustainability Services Private Limited

|               |                                     |
|---------------|-------------------------------------|
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#### Summary:

Ekobil Environmental Services and Consulting Ltd contracted EPIC Sustainability Services Private Limited on behalf of Darenhes Elektrik Üretimi A.Ş. to conduct verification of the project registered under VCS standard titled “Tatar Hydro Electricity Power Plant”, VCS reference No. 1205 with regard to the relevant requirements of VCS programme guidelines and standard (VCS standard v4.3<sup>/1/</sup>, & VCS program guide v4.2<sup>/2/</sup>). Relevant requirements of the UNFCCC for CDM project activities, as well as criteria for consistent project operations, monitoring and reporting has been applied for verification.

The verification of the 2<sup>nd</sup> monitoring period covers from 01/08/2021 to 31/07/2022 (including both dates)

The verification includes confirming the implementation of the monitoring plan of the registered PD<sup>/20/</sup> and the application of the monitoring methodology as per ACM0002 v13.0<sup>14/</sup> “Consolidated baseline methodology for grid-connected electricity generation from renewable sources” and the tools relevant to the monitoring methodology.

The project activity involves construction of Tatar Hydro Electricity Power Plant on the peri stream, within the jurisdiction of Tunceli and Elazig Provinces, Turkey with total installed capacity of 128.22 MWe. The project consists of 2 turbine units of capacity 64.11 MWe each and the turbine units were commissioned on 14/11/2013 and 12/12/2013 respectively. The start date of the project is 14/11/2013 which is the commissioning date of first unit.

A risk-based approach has been followed to perform this verification. In the course of verification, 01 Corrective Action request (CARs), 00 Forward Action request (FARs), and 03 Clarification request (CLs) were raised and successfully closed.

In conclusion, EPIC confirms that the project is implemented in accordance with the registered PD. The monitoring system is in place and the emission reductions are calculated without material

misstatements. And meets the relevant VCS requirements and the estimated GHG removal from the project is real, measurable, and permanent. The project has produced a net electricity of 252,251.94 MWe during the monitoring period and emission reduction of the project activity is 136,178 tCO<sub>2</sub>e.

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# 1 INTRODUCTION

## 1.1 Objective

Ekobil Environmental Services and Consulting Ltd contracted Epic Sustainability Services Private Limited on behalf of Darenhes Elektrik Üretimi A.Ş to Verify the project titled “Tatar Hydro Electricity Power Plant” in Turkey under registered VCS reference No. 1205; for 2<sup>nd</sup> Monitoring Report 01/08/2021 to 31/07/2022.

- The purpose of the verification is to conduct an independent, third party assessment to confirm whether the project activity meets the qualification criteria set of by the VCS Standard v4.3<sup>/1/</sup> requirements to attain real, additional and permanent emission reduction. The verification statement opinion are a written assurance that the project complies with all the applicable VCS requirements and has the ability to generate the emission reductions over the stated project crediting period.
- To verify that the actual monitoring system and procedures are in full compliance with the system and procedures described in the MR v1<sup>/11/</sup> dated 26/08/2022 (hereinafter referred to as MR) as well as with the applicable methodology)
- To verify the reported data is accurate, complete, consistent, transparent and free of material error or omission by checking the monitoring records and the emission reduction calculation.
- To verify and certify the reported GHG emission reduction of the project for the period from 01/08/2021 to 31/07/2022.

## 1.2 Scope and Criteria

The scope of verification is to assess and verify the claims and assumptions made in the VCS monitoring report (MR) against the VCS criteria, including but not limited to, VCS standard v4.3<sup>/1/</sup>, applied methodology and other relevant rules and requirements established for VCS project activities.

The Verification is not meant to provide any consulting towards the project participants. However, stated requests for clarification and/or correction actions request may have provided inputs for improvement of the project design.

## 1.3 Level of Assurance

In line with VCS requirements and as per ISO 14064-3:2019 Para 5.1.3, a reasonable level of assurance has been followed for the verification of the project. Based on the desired level of accuracy EPIC has established an internal quality control process and assures that the information

given in the MR is materially correct and is a fair representation of the actual project details, and is prepared in accordance with the VCS requirements and the applied CDM methodology for information pertaining to additionality, GHG quantification, monitoring and reporting. The verification report is carried out as per this requirement and details are presented in the verification statement in section 4 below.

## 1.4 Summary Description of the Project

The project activity comprises the construction of grid connected run-off-river based hydro power project in Turkey. The purpose of the project is to produce electricity utilizing the energy from peri stream as renewable resource. The installation of the project consists of 128.22 MW capacity, with 2 turbines of capacity 64.11 MWe with annual energy production capacity of 421,270 MWh.

Project includes implementation of 2 units, 1st unit was commissioned on 14/11/2013 and is also the start date of the project. The 2nd units are of capacity 64.11 MWe with two-way electricity measurement meters. The combined margin Emission Factor of 0.53985 tCO<sub>2</sub>/MWh. As per the validated PD<sup>/20/</sup> the project is expected to produce 231,898 tCO<sub>2</sub> GHG reductions annually. During the monitoring period i.e., from 1/08/2021 to 31/07/2022 the project has produced a total net quantity of 252,251.94 MWh of electricity and 136,178 tCO<sub>2</sub> of emission reduction.

The electricity produced from the project is sold to Turkish Electrical Transmission Corporation (TEIAS) by transmission line of electrical Voltage 154kV.

The current monitoring period of the project is from 1/08/2021 to 31/07/2022 (both dates included). The emission reduction of the project for current monitoring period is 136,178 tCO<sub>2</sub>.

The project activity is undergoing 2<sup>nd</sup> verification, and the description of project activity, implementation of monitoring plan is verified against the registered VCS PD<sup>/20/</sup>. The remote audit was conducted on 26/08/2022 to verify the details. Based on the assessment, the verification team is able to confirm that the project activity is fully functional and implemented as described in the registered VCS PD.

# 2 VERIFICATION PROCESS

## 2.1 Method and Criteria

The EPIC verification process consists of the following phases:

- Document review of the project description and preparation of verification of protocol
- Remote audit to the project activity and interviews with the project proponent, project consultant, and relevant stakeholders
- Resolution of outstanding issues and the issuance of the final verification report and opinion.

In order to ensure transparency, a verification protocol was customized for the project according to the VCS guidelines. The protocol describes the findings, criteria (requirements), means of the verification, results from the validation and how the identified criteria, have been met in a transparent manner, the verification protocol serves the following purposes:

- It organizes, details and clarifies the requirements of a VCS project is expected to meet.
- It ensures a transparent verification process where the verifier will document how a particular requirement

The protocol includes an Appendix, which lists the findings from validation that were categorized as non-fulfilment of validation protocol requirements or any hazards that interferes in project's completion. A Corrective Action Request (CAR) was issued, detailing the following:

- Mistakes were committed that had a direct impact on the project's outcomes; or
- The requirements of the validation protocol have not been met; or
- There was a chance that the project might be rejected as a VCS project or that the emission reductions would not be certified.

| APPENDIX: RESOLUTION OF CORRECTIVE ACTION AND CLARIFICATION REQUESTS                                        |                                                                        |                                                                                                                                       |                                                                                       |
|-------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Draft report clarifications and correction action requests by verification team                             | Reference to section of the MR                                         | Summary of project proponent response                                                                                                 | Verification team conclusion                                                          |
| If the conclusions from the draft validation are either a CAR or CL, these should be listed in this section | Reference to the section of the MR where the relevant CAR or CL raised | The response given by the project proponent during the communications with the verification team should be summarized in this section | This section should summarize the verification team's responses and final conclusions |

The following team members from EPIC are involved in identifying the following.

| Name        | Role         | Components reviewed                                                       |
|-------------|--------------|---------------------------------------------------------------------------|
| Priyanka MS | Lead Auditor | Completeness check, desk review, discussion with project representatives, |

|                                                                                                      |                    |                                                                                                                     |
|------------------------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------|
|                                                                                                      |                    | issuance of findings, report preparation.                                                                           |
| Karthik Lakshman (Auditor)<br>Ashwin Kumar (Auditor)<br>Bharath S (Auditor)<br>Prasanna MP (Auditor) | Auditor            | Completeness check, desk review, discussion with project representatives, issuance of findings, report preparation. |
| Fikriye Seda Yucel                                                                                   | Technical Expert   | Technical Inputs for Verification team                                                                              |
| R. Vijayaraghavan                                                                                    | Technical Reviewer | Technical issues related to project.                                                                                |

## 2.2 Document Review

The initial MR v1.0<sup>/11/</sup> submitted by the PP and additional backgrounds documents related to the project design and baseline was reviewed as an initial step of the verification process. As a result of review and findings, PP had submitted the revised MR v2.0<sup>/12/</sup> dated 01/09/2022.

Following are the documents reviewed during the verification;

- Calibration Reports<sup>/5/</sup>
- Commissioning Certificates<sup>/6/</sup>
- Emission reduction Calculation sheet<sup>/7/</sup>
- Training records<sup>/10/</sup>
- EIA Affirmation<sup>13/</sup>
- EIA Report<sup>/14/</sup>
- Production License<sup>/15/</sup>
- Single line diagram<sup>/16/</sup>
- System usage Agreement<sup>/17/</sup>
- Water Usage Agreement<sup>/18/</sup>
- Maintenance records<sup>/22/</sup>
- The PMUM/MFRC data of electricity (Screen shots)<sup>/24/</sup>

## 2.3 Interviews

The remote audit was conducted on 26th August, 2022 through zoom application with reference to the evaluation of the project description and documents. The project representatives were also invited to follow-up meeting.

The following people were interviewed during the remote audit:

| Sl.No | Name of the stake holder                                          | Position/ Designation and Address                                                             | Details of interview                                                                                                                                                                                                                                                                                                              |
|-------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1     | Fatih Baydar                                                      | Assistant Manager, Budget and Pricing, Limak Hidroelektrik Santral Yatırımları Anonim Şirketi | Completeness check, desk review, Interview with project representatives & stakeholders, issuance of findings, report preparation. Baseline, monitoring plan, Proof of title, Technical Details, electricity generation, Monitoring system, calibration frequency, Infrastructure, Wheeling Agreement, Overall Project management. |
| 2     | Kadir Cosor                                                       | Carbon portfolio manager                                                                      |                                                                                                                                                                                                                                                                                                                                   |
| 3     | Dr. G.Aslı Sezer Özçelik (Team Leader)<br>Ekin Sevim (Consultant) | Ekobil Environmental Services and Consulting Ltd                                              |                                                                                                                                                                                                                                                                                                                                   |
| 4     | Yuvuz Zirek                                                       | Tatar HHP Manager, Electrical Engineer                                                        | Technical Details, Monitoring system, calibration frequency, Power Purchase Agreement, Land Ownership details, Overall Project management.                                                                                                                                                                                        |
| 5     | Deniz Sahin                                                       | Ciftlikkoy, Private security                                                                  | Local stake holder consultation and On-going communication as part of local stakeholder engagement                                                                                                                                                                                                                                |
|       | Huseyin Arslan                                                    | Head of the Ciftlikkoy                                                                        |                                                                                                                                                                                                                                                                                                                                   |
|       | Tuncay Sonmez                                                     | freelance facility worker for different roles                                                 |                                                                                                                                                                                                                                                                                                                                   |
|       | Ozgur Arslan                                                      | Ciftlikkoy Village                                                                            |                                                                                                                                                                                                                                                                                                                                   |
|       | Orhan Sonmez                                                      | Nisankaya Village, farmer                                                                     |                                                                                                                                                                                                                                                                                                                                   |

## 2.4 Site Inspections

During the remote audit, the operation and monitoring plan of the project activity were compared with the details and description given in the monitoring report. The technical details, manufacturing system, environmental impacts aspects, calibration and level of accuracy were examined.

An on-site assessment was conducted as a part of verification activity and involved:

- 1) An assessment of the implementation and operation of the project activity as per the MR
- 2) A review of information flows for generating, 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 MR
- 4) A cross-check between information provided in the MR and data from other sources
- 5) A review of baseline and additionality of the project
- 6) A check of the monitoring equipment including calibration performance, and observations of monitoring practices against the requirements of the MR and the applied methodology
- 7) A review of calculations and assumptions made in determining the GHG data and ERs, and
- 8) An identification of QA/QC procedures in place to prevent, or identify and correct, any errors or omissions in the reported monitoring parameters.

## 2.5 Resolution of Findings

The objective of this step of the verification was to resolve any outstanding issues, such as corrective action requests and clarification requests that needed to be addressed before EPIC could issue a positive conclusion on the project design. During this phase, One CL and two CARs are raised. The issues highlighted and replies made are summarized in Appendix I of this report to ensure that the verification process is transparent. The MR is updated to include all corrective actions.

Clarification requests (CL) is raised if the project reporting lacks transparency and further information is needed to determine if a material discrepancy is present. Corrective action requests (CAR) is raised if the verification has identified a material discrepancy or non- conformance that the project proponent must address. All the CARs and CRs were resolved during this phase.

### 2.5.1 Forward Action Requests

There are no outstanding forward action requests raised during this verification.

## 2.6 Eligibility for Validation Activities

The scope of work includes verification only. EPIC is accredited for all the VCS sectors for validation and as well as verification. The validation/verification body has verified all of the data and information to provide reasonable assurance and to meet the materiality requirements of the project.

## 3 VALIDATION FINDINGS

### 3.1 Participation under Other GHG Programs

The verification team has checked whether the project activity has claimed any other GHG programs and project owner has provided a declaration confirming that there is no double counting associated with project activity and, the project does not seek or participated in any other GHG programs.

In conclusion, this project is valid for issuance of the verified carbon credits.

### 3.2 Methodology Deviations

There is no methodology deviation in the project activity.

### 3.3 Project Description Deviations

In the validated PD<sup>20/</sup> the start date or the commercial operation date of the project activity is stated as 01/11/2013. Whereas, the first unit of the project was commissioned on 14/11/2013 and that is the valid start date of the project.

The verification team has verified this through reviewing the commissioning certificate of the 1st unit. Therefore, it is accepted that start date of the project is 14/11/2013. And Verification team confirms that there is no other deviation in the project activity.

### 3.4 Grouped Project

This project is not a grouped project

## 4 VERIFICATION FINDINGS

### 4.1 Project Implementation Status

The project activity involves the construction of Hydro Electricity Power Plant on the Peri Stream, within the jurisdiction of Tunceli and Elazig provinces in Turkey. The purpose of the activity is to produce electricity by using the potential energy of peri stream as a renewable energy and contributing to sustainable development.

The project involves implementation of 2 turbines of capacity 64.11 MWe each. Each unit consists of one main and one control meter. The Commissioning of first unit was on 14/11/2013 and is the start date of the project activity. And the second unit was commissioned on 12/12/2013.

Based on the turkey's combined margin emission factor of 0.53985 tCO<sub>2</sub>/MWh the annual project produces an amount of 231,898.00 tCO<sub>2</sub> of emission reduction. The project produces a net total of 252,251.94 MWh of electricity with total amount of 136,178 tCO<sub>2</sub> of emission reduction. The generated electricity is fed to the Turkish national grid via 154kV transmission line.

The project activity complies with host country regulations. The investigation of environmental impacts was presented to Ministry of Environment and Forestry (MoEF now renamed and structured as Ministry of Environment and Urban Planning - MoEUP) in the form Environmental Impact Assessment (EIA) prior to its commencement. An Average of 10% of water after usage is sent as minimum Ecological flow and a fish ladder is constructed within the regulator for the downstream and upstream for the movement of fish and to support the aquatic life in the area.

The project boundary in the registered VCS PD<sup>/20/</sup> is in line with the actual project boundary. The generated electricity is fed to the Turkish national grid. The current project status is verified through photographic evidence of technology used and monitoring status, indicating the real time generation data and hence it is confirmed that the project is fully functional.

The factory calibration of meters was carried out in the year 2020. The energy meters used for the monitoring are of accuracy class 0.5s and which are sealed & calibrated by the respective state utility once in 10 years. The verification team has verified the calibration certificates and confirmed that the meters are calibrated in accordance with the frequency as outlined in the registered monitoring plan.

- There are no material discrepancies between project implementation and the project description.
- The implementation status of the monitoring plan and the completeness of monitoring, including the suitability of the implemented monitoring system is inline with registered VCS PD<sup>/20/</sup> (i.e., process and schedule for obtaining, recording, compiling and analyzing the monitored data and parameters).
- There are no material discrepancies between the actual monitoring system, and the monitoring plan set out in the project description and the applied methodology.
- The project has not participated or been rejected under any other GHG programs since validation or previous verification.
- The project has not received or sought any other form of environmental credit, or has not become eligible to do so since validation or previous verification.
- The GHG emission reductions generated by the project has not included in any emissions trading program or any other mechanism that includes GHG allowance trading.
- The project has implemented the activities that result in the SD contributions described in the monitoring report.

There are no previously validated methodology deviations. The project used UNFCCC methodology of ACM0002 v13.0<sup>/4/</sup> and its related tools are applied.

In conclusion, the verification team has verified the final VCS MR v1.0<sup>/11/</sup> and confirmed that the procedure for monitoring plan, monitoring system, data & variables stated is consistent with the registered VCS PD<sup>/20/</sup>. The emission reductions achieved under this monitoring period 01/08/2021 to 31/07/2022 (including both dates) is 136,178.00 tCO<sub>2</sub>.

There was no major breakdown or shutdowns during the monitoring period which might affect the applicability of methodology or might cause material errors in emission reductions.

## 4.2 Safeguards

### 4.2.1 No Net Harm

The project has no potential negative environmental and socio-economic impacts identified by the project proponent. The project activity involves the generation of electricity utilizing hydro energy as renewable resource. This does not emit any harmful gases to the atmosphere. The project supports energy security, improved air quality, alternative sustainable energy, improved local source of income and sustainable renewable energy industry development contributing to positive impact on environment.

### 4.2.2 Local Stakeholder Consultation

The local stakeholder consultation for the project activity was conducted on 15 February 2006 i.e., prior to the implementation of the project activity in the Public Educational Center Meeting Hall of Aydinlar town, Siirt. The meeting was organized within the context of the EIA process to comply with the environmental regulations of the host country. The project activity was addressed to the local stakeholders and information about the environmental impacts due to the project activity was provided. Stakeholders raised questions about expropriation process and the compensation money these questions were answered by project owner and environmental consultants. There were no grievances from the local stakeholders on the project activity during the meeting.

During the remote audit the local stakeholders were interviewed and they are very happy about the project and its benefits. No active court cases are filed against the project or project proponent. They also confirmed that the project is not affecting the aquatic system and the project has built a fish passage for the movement of fish.

The project proponent has implemented mechanism for ongoing communication with local stakeholders to raise any concerns regarding the project activity and its potential negative impacts during the operation of the plant. Stakeholders can communicate directly with the plant manager and can visit the facility at any time to express their concerns to seek for their issues.

## 4.3 AFOLU-Specific Safeguards

For Non-AFOLU project this section is not applicable.

## 4.4 Accuracy of GHG Emission Reduction and Removal Calculations

The parameters considered for the GHG emission reduction and removal calculations are verified and are in line with the applied methodology ACM002 v13.0<sup>4/</sup>.

| Particulars                                                                                                                                    | Verification opinion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Emission reductions for the monitoring period ( $ER_y$ )                                                                                       | <p>As per the applied methodology (ACM002 v13.0), <math>ER_y</math> is calculated as follows.</p> $ER_y = BE_y - PE_y - LE_y$ <p>Where</p> <p><math>BE_y</math> - Baseline emissions during the monitoring period</p> <p><math>PE_y</math> - Project emissions during the monitoring period</p> <p><math>LE_y</math> - Leakage emissions during the monitoring period</p> <p>The opinion of the same is detailed below.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Baseline emissions during the monitoring period ( $BE_y$ )                                                                                     | <p>As per para 38 of the applied methodology and the registered PD<sup>20</sup>, baseline emissions include only CO<sub>2</sub> emissions from electricity generation in fossil fuel fired power plants that are displaced due to the project activity. The methodology assumes that all project electricity generation above baseline levels would have been generated by existing grid-connected power plants and the addition of new grid-connected power plants.</p> $BE_y = EG_{PJ,y} \times EF_{grid,CM,y}$ <p>Where.</p> <p><math>EG_{PJ,y}</math> - Quantity of net electricity generation that is produced and fed into the grid as a result of the implementation of the CDM project activity in year y</p> <p><math>EF_{grid,CM,y}</math> - Combined margin CO<sub>2</sub> emission factor for grid connected power generation in year y</p> <p>The opinion of the same is detailed below.</p> |
| Quantity of net electricity generation that is produced and fed into the grid as a result of the implementation of the CDM project activity in | <p>As per para 39 and 40 of the applied methodology, for a greenfield project, <math>EG_{PJ,y}</math> is calculated as follows.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

| year y ( $EG_{PJ,y}$ )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | $EG_{PJ,y} = EG_{facility,y}$<br><br>Where<br><br>$EG_{facility,y}$ - Quantity of net electricity generation supplied by the project plant/unit to the grid in year y<br><br>The opinion of the same is detailed below. |                                                        |                                          |             |                     |            |                |                    |           |              |                      |            |               |                     |            |               |                     |            |                         |                      |              |              |                     |            |               |                     |            |            |                     |            |            |                     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|------------------------------------------|-------------|---------------------|------------|----------------|--------------------|-----------|--------------|----------------------|------------|---------------|---------------------|------------|---------------|---------------------|------------|-------------------------|----------------------|--------------|--------------|---------------------|------------|---------------|---------------------|------------|------------|---------------------|------------|------------|---------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Quantity of net electricity generation supplied by the project plant/unit to the grid in year y ( $EG_{facility,y}$ )<br><table><tr><th>Month</th><th><math>EG_{PP-gross,y}</math> / <math>EG_{PP-selfconsumption,y}</math> in MWh</th><th><math>EG_{PP-net,y}</math> = Net electricity in MWh</th></tr><tr><td>August 2021</td><td>12,161.448 / 90.676</td><td>12,070.772</td></tr><tr><td>September 2021</td><td>4,659.818 / 95.120</td><td>4,564.698</td></tr><tr><td>October 2021</td><td>16,528.466 / 86, 322</td><td>16,442.144</td></tr><tr><td>November 2021</td><td>13,304.948 / 49.596</td><td>13,255.352</td></tr><tr><td>December 2021</td><td>15,090.551 / 89.067</td><td>15,001.484</td></tr><tr><td>Total for the year 2021</td><td>61,745.231 / 410.781</td><td>61, 334. 450</td></tr><tr><td>January 2022</td><td>25,709.531 / 78.377</td><td>25,631.154</td></tr><tr><td>February 2022</td><td>20,817.664 / 75.691</td><td>20,741.973</td></tr><tr><td>March 2022</td><td>38,255.843 / 57.230</td><td>38,198.613</td></tr><tr><td>April 2022</td><td>20,073.375 / 73.630</td><td>19,999.745</td></tr></table> | Month                                                                                                                                                                                                                   | $EG_{PP-gross,y}$ / $EG_{PP-selfconsumption,y}$ in MWh | $EG_{PP-net,y}$ = Net electricity in MWh | August 2021 | 12,161.448 / 90.676 | 12,070.772 | September 2021 | 4,659.818 / 95.120 | 4,564.698 | October 2021 | 16,528.466 / 86, 322 | 16,442.144 | November 2021 | 13,304.948 / 49.596 | 13,255.352 | December 2021 | 15,090.551 / 89.067 | 15,001.484 | Total for the year 2021 | 61,745.231 / 410.781 | 61, 334. 450 | January 2022 | 25,709.531 / 78.377 | 25,631.154 | February 2022 | 20,817.664 / 75.691 | 20,741.973 | March 2022 | 38,255.843 / 57.230 | 38,198.613 | April 2022 | 20,073.375 / 73.630 | 19,999.745 | <p>As per the registered PD<sup>/20/</sup>, net electricity is calculated as a difference of export and import values. The generation voltage of electricity from the generator IS 154 kV before fed into the grid.</p> <p>The main meter installed at the power transformer at the substation. The bidirectional main meter continuously records the electricity values and is recorded every month.</p> <p>The verification team has reviewed the generation details and invoices and confirmed the values as correct.</p> <p>As per the monitoring report, the electricity meter will be calibrated every 10 years periodically from a certified testing agency. The verification team has checked the calibration certificates against meter number, serial number, date of calibration, validity, actual error and found that the meters are calibrated by the certified agency and are having sufficient accuracy and the validity covering the monitoring period. There is no delay in calibration of the meters.</p> <p>The verification team has reviewed MR. PP has included the organisational structure where roles and responsibilities of each for monitoring activities are defined. This includes the roles of plant manager, electrical engineer, accounting manager, Board operator.</p> <p>The revised MR now reports the methods used for generating/measuring, recording, storing, aggregating, collating and reporting the data on monitored parameters. This was verified to be correct.</p> <p>The revised MR also reports how internal control of the monitoring parameters. Since there is no</p> |
| Month                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | $EG_{PP-gross,y}$ / $EG_{PP-selfconsumption,y}$ in MWh                                                                                                                                                                  | $EG_{PP-net,y}$ = Net electricity in MWh               |                                          |             |                     |            |                |                    |           |              |                      |            |               |                     |            |               |                     |            |                         |                      |              |              |                     |            |               |                     |            |            |                     |            |            |                     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| August 2021                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 12,161.448 / 90.676                                                                                                                                                                                                     | 12,070.772                                             |                                          |             |                     |            |                |                    |           |              |                      |            |               |                     |            |               |                     |            |                         |                      |              |              |                     |            |               |                     |            |            |                     |            |            |                     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| September 2021                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4,659.818 / 95.120                                                                                                                                                                                                      | 4,564.698                                              |                                          |             |                     |            |                |                    |           |              |                      |            |               |                     |            |               |                     |            |                         |                      |              |              |                     |            |               |                     |            |            |                     |            |            |                     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| October 2021                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 16,528.466 / 86, 322                                                                                                                                                                                                    | 16,442.144                                             |                                          |             |                     |            |                |                    |           |              |                      |            |               |                     |            |               |                     |            |                         |                      |              |              |                     |            |               |                     |            |            |                     |            |            |                     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| November 2021                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 13,304.948 / 49.596                                                                                                                                                                                                     | 13,255.352                                             |                                          |             |                     |            |                |                    |           |              |                      |            |               |                     |            |               |                     |            |                         |                      |              |              |                     |            |               |                     |            |            |                     |            |            |                     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| December 2021                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 15,090.551 / 89.067                                                                                                                                                                                                     | 15,001.484                                             |                                          |             |                     |            |                |                    |           |              |                      |            |               |                     |            |               |                     |            |                         |                      |              |              |                     |            |               |                     |            |            |                     |            |            |                     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Total for the year 2021                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 61,745.231 / 410.781                                                                                                                                                                                                    | 61, 334. 450                                           |                                          |             |                     |            |                |                    |           |              |                      |            |               |                     |            |               |                     |            |                         |                      |              |              |                     |            |               |                     |            |            |                     |            |            |                     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| January 2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 25,709.531 / 78.377                                                                                                                                                                                                     | 25,631.154                                             |                                          |             |                     |            |                |                    |           |              |                      |            |               |                     |            |               |                     |            |                         |                      |              |              |                     |            |               |                     |            |            |                     |            |            |                     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| February 2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 20,817.664 / 75.691                                                                                                                                                                                                     | 20,741.973                                             |                                          |             |                     |            |                |                    |           |              |                      |            |               |                     |            |               |                     |            |                         |                      |              |              |                     |            |               |                     |            |            |                     |            |            |                     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| March 2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 38,255.843 / 57.230                                                                                                                                                                                                     | 38,198.613                                             |                                          |             |                     |            |                |                    |           |              |                      |            |               |                     |            |               |                     |            |                         |                      |              |              |                     |            |               |                     |            |            |                     |            |            |                     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| April 2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 20,073.375 / 73.630                                                                                                                                                                                                     | 19,999.745                                             |                                          |             |                     |            |                |                    |           |              |                      |            |               |                     |            |               |                     |            |                         |                      |              |              |                     |            |               |                     |            |            |                     |            |            |                     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

|                                                                                                                                                                                                                                                                                                                                                                                                                |                       |             |                                                                                                             |                    |                   |                |                   |                 |       |                |                                                                                                                                                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------|-------------------------------------------------------------------------------------------------------------|--------------------|-------------------|----------------|-------------------|-----------------|-------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| May 2022                                                                                                                                                                                                                                                                                                                                                                                                       | 46,474.310 / 41.468   | 46,432.842  | sampling approach adopted by the PP as all date is measured and recorded.                                   |                    |                   |                |                   |                 |       |                |                                                                                                                                                                             |
| June 2022                                                                                                                                                                                                                                                                                                                                                                                                      | 28,498.546 / 65.770   | 28,432.776  |                                                                                                             |                    |                   |                |                   |                 |       |                |                                                                                                                                                                             |
| July 2022                                                                                                                                                                                                                                                                                                                                                                                                      | 11,570.122 / 89.739   | 11,480.383  |                                                                                                             |                    |                   |                |                   |                 |       |                |                                                                                                                                                                             |
| Total for the year 2022                                                                                                                                                                                                                                                                                                                                                                                        | 191,399.391 / 481.905 | 190,917.486 |                                                                                                             |                    |                   |                |                   |                 |       |                |                                                                                                                                                                             |
| Total                                                                                                                                                                                                                                                                                                                                                                                                          | 253,144.622 / 892.686 | 252,251.94  |                                                                                                             |                    |                   |                |                   |                 |       |                |                                                                                                                                                                             |
| Quantity of net electricity generation that is produced and fed into the grid as a result of the implementation of the CDM project activity in year y (EG <sub>PJ,y</sub> ) <table><tr><td>Year</td><td>EG<sub>PJ,y</sub></td></tr><tr><td>2021 (Aug to Dec)</td><td>61,334.450 MWh</td></tr><tr><td>2022 (Jan to Jul)</td><td>190,917.486 MWh</td></tr><tr><td>Total</td><td>252,251.94 MWh</td></tr></table> |                       |             | Year                                                                                                        | EG <sub>PJ,y</sub> | 2021 (Aug to Dec) | 61,334.450 MWh | 2022 (Jan to Jul) | 190,917.486 MWh | Total | 252,251.94 MWh | As per para 39 and 40 of the applied methodology, for a greenfield project, EG <sub>PJ,y</sub> is calculated as follows.<br><br>EG <sub>PJ,y</sub> = EG <sub>PP-net,y</sub> |
| Year                                                                                                                                                                                                                                                                                                                                                                                                           | EG <sub>PJ,y</sub>    |             |                                                                                                             |                    |                   |                |                   |                 |       |                |                                                                                                                                                                             |
| 2021 (Aug to Dec)                                                                                                                                                                                                                                                                                                                                                                                              | 61,334.450 MWh        |             |                                                                                                             |                    |                   |                |                   |                 |       |                |                                                                                                                                                                             |
| 2022 (Jan to Jul)                                                                                                                                                                                                                                                                                                                                                                                              | 190,917.486 MWh       |             |                                                                                                             |                    |                   |                |                   |                 |       |                |                                                                                                                                                                             |
| Total                                                                                                                                                                                                                                                                                                                                                                                                          | 252,251.94 MWh        |             |                                                                                                             |                    |                   |                |                   |                 |       |                |                                                                                                                                                                             |
| Amount of fuel i consumed by relevant power plants in Turkey in years, 2008, 2009, 2010. (F <sub>ci,y</sub> ) in cubic meter<br><br>(ex-ante parameter 1 of 5 as per registered VCS PD v2.1 <sup>/20/</sup> )                                                                                                                                                                                                  |                       |             | This is sourced from the validated registered PD <sup>/20/</sup> . Hence accepted by the verification team. |                    |                   |                |                   |                 |       |                |                                                                                                                                                                             |
| Net Calorific Values for fossil fuel type i in year, for the years 2008, 2009 and 2010 in GJ/ volume or mass unit (NCV <sub>i,y</sub> )<br><br>(ex-ante parameter 2 of 5 as per registered VCS PD v2.1 <sup>/20/</sup> )                                                                                                                                                                                       |                       |             | This is sourced from the validated registered PD <sup>/20/</sup> . Hence accepted by the verification team. |                    |                   |                |                   |                 |       |                |                                                                                                                                                                             |
| CO2 emission factor of fossil fuel type i in year y ( EF <sub>CO2,i,y</sub> ) in tCO2<br><br>(ex-ante parameter 3 of 5 as per registered VCS PD v2.1 <sup>/20/</sup> )                                                                                                                                                                                                                                         |                       |             | This is sourced from the validated registered PD <sup>/20/</sup> . Hence accepted by the verification team. |                    |                   |                |                   |                 |       |                |                                                                                                                                                                             |
| Net electricity generated and delivered to the grid by power unit m in year y (EG <sub>m,y</sub> )                                                                                                                                                                                                                                                                                                             |                       |             | This is sourced from the validated registered                                                               |                    |                   |                |                   |                 |       |                |                                                                                                                                                                             |

| (ex-ante parameter 4 of 5 as per registered VCS PD v2.1 <sup>/20/</sup> )                                                                                                                                                                                                                                                    | PD <sup>/20/</sup> . Hence accepted by the verification team.                                                                                                                                                                                                                                                                                                                                                                                                               |        |                   |           |                    |             |                                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------------|-----------|--------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------|
| Average net energy conversion efficiency of power unit m in year y ( $\eta_{m,y}$ )<br><br>(ex-ante parameter 5 of 5 as per registered VCS PD v2.1 <sup>/20/</sup> )                                                                                                                                                         | This is sourced from the validated registered PD <sup>/20/</sup> . Hence accepted by the verification team.                                                                                                                                                                                                                                                                                                                                                                 |        |                   |           |                    |             |                                                                                                                                  |
| Operating margin CO <sub>2</sub> emission factor for grid connected power generation in year y ( $EF_{grid,OM,y}$ ) = 0.65613 tCO <sub>2</sub> /MWh                                                                                                                                                                          | As per the registered PD <sup>/20/</sup> , Operating margin CO <sub>2</sub> emission factor for grid connected power generation in year y is 0.65613 tCO <sub>2</sub> / MWh. Hence it is accepted by the verification team.                                                                                                                                                                                                                                                 |        |                   |           |                    |             |                                                                                                                                  |
| Building margin CO <sub>2</sub> emission factor for grid connected power generation in year y ( $EF_{grid,BM,y}$ ) = 0.42357 tCO <sub>2</sub> /MWh                                                                                                                                                                           | As per the registered PD <sup>/20/</sup> , Building margin CO <sub>2</sub> emission factor for grid connected power generation in year y is 0.42357 tCO <sub>2</sub> / MWh. Hence it is accepted by the verification team.                                                                                                                                                                                                                                                  |        |                   |           |                    |             |                                                                                                                                  |
| Combined margin CO <sub>2</sub> emission factor for grid connected power generation in year y ( $EF_{grid,CM,y}$ ) = 0.53985 tCO <sub>2</sub> /MWh                                                                                                                                                                           | As per the registered PD, the CO <sub>2</sub> emission factor for grid connected power generation is 0.53985 tCO <sub>2</sub> / MWh. Hence it is accepted by the verification team.                                                                                                                                                                                                                                                                                         |        |                   |           |                    |             |                                                                                                                                  |
| Baseline emissions during the monitoring period ( $BE_y$ )<br><table border="1" data-bbox="240 1060 747 1249"> <thead> <tr> <th>Year</th><th><math>BE_y</math></th></tr> </thead> <tbody> <tr> <td>2021 (Aug to Dec)</td><td>33,111.40</td></tr> <tr> <td>2022 (Jan to July)</td><td>103,066.805</td></tr> </tbody> </table> | Year                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | $BE_y$ | 2021 (Aug to Dec) | 33,111.40 | 2022 (Jan to July) | 103,066.805 | As per the para 39 of applied methodology, the baseline is calculated as follows<br><br>$BE_y = EG_{PJ,y} \times EF_{grid,CM,y}$ |
| Year                                                                                                                                                                                                                                                                                                                         | $BE_y$                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |                   |           |                    |             |                                                                                                                                  |
| 2021 (Aug to Dec)                                                                                                                                                                                                                                                                                                            | 33,111.40                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |                   |           |                    |             |                                                                                                                                  |
| 2022 (Jan to July)                                                                                                                                                                                                                                                                                                           | 103,066.805                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |                   |           |                    |             |                                                                                                                                  |
| Project emissions ( $PE_y$ )                                                                                                                                                                                                                                                                                                 | As per para 30 of the applied methodology, project emissions is calculated as follows.<br><br>$PE_y = PE_{FF,y} + PE_{GP,y} + PE_{HP,y}$<br><br>Where<br><br>$PE_{FF,y}$ - Project emissions from fossil fuel consumption in year y<br><br>$PE_{GP,y}$ - Project emissions from the operation of geothermal power plants due to the release of non-condensable gases in year y<br><br>$PE_{HP,y}$ - Project emissions from water reservoirs of hydro power plants in year y |        |                   |           |                    |             |                                                                                                                                  |
| Project emissions from fossil fuel consumption                                                                                                                                                                                                                                                                               | As per para 32 of the applied methodology, the                                                                                                                                                                                                                                                                                                                                                                                                                              |        |                   |           |                    |             |                                                                                                                                  |

| <p>during the monitoring period y (<math>PE_{FF,y}</math>)</p> <table border="1"> <tr> <th>Year</th><th><math>PE_{FF,y}</math></th></tr> <tr> <td>2021 (Aug to Dec)</td><td>0 tCO<sub>2e</sub></td></tr> <tr> <td>2022 (Jan to July)</td><td>0 tCO<sub>2e</sub></td></tr> </table>                                                                                        | Year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | $PE_{FF,y}$ | 2021 (Aug to Dec) | 0 tCO <sub>2e</sub> | 2022 (Jan to July) | 0 tCO <sub>2e</sub> | <p>use of fossil fuels for the back up or emergency purposes (e.g. diesel generators) can be neglected. There is a diesel generator of in the project boundary, but it is used for backup only. So the verification team has accepted project emission from fossil fuel consumption is zero.</p> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Year                                                                                                                                                                                                                                                                                                                                                                      | $PE_{FF,y}$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |                   |                     |                    |                     |                                                                                                                                                                                                                                                                                                  |
| 2021 (Aug to Dec)                                                                                                                                                                                                                                                                                                                                                         | 0 tCO <sub>2e</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |                   |                     |                    |                     |                                                                                                                                                                                                                                                                                                  |
| 2022 (Jan to July)                                                                                                                                                                                                                                                                                                                                                        | 0 tCO <sub>2e</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |                   |                     |                    |                     |                                                                                                                                                                                                                                                                                                  |
| <p>Project emissions from the operation of geothermal power plants due to the release of non-condensable gases in year y (<math>PE_{GP,y}</math>)</p> <table border="1"> <tr> <th>Year</th><th><math>PE_{GP,y}</math></th></tr> <tr> <td>2021 (Aug to Dec)</td><td>0 tCO<sub>2e</sub></td></tr> <tr> <td>2022 (Jan to July)</td><td>0 tCO<sub>2e</sub></td></tr> </table> | Year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | $PE_{GP,y}$ | 2021 (Aug to Dec) | 0 tCO <sub>2e</sub> | 2022 (Jan to July) | 0 tCO <sub>2e</sub> | <p>Since the project activity is not geothermal project activity, <math>PE_{GP,y} = 0</math> tCO<sub>2e</sub></p>                                                                                                                                                                                |
| Year                                                                                                                                                                                                                                                                                                                                                                      | $PE_{GP,y}$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |                   |                     |                    |                     |                                                                                                                                                                                                                                                                                                  |
| 2021 (Aug to Dec)                                                                                                                                                                                                                                                                                                                                                         | 0 tCO <sub>2e</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |                   |                     |                    |                     |                                                                                                                                                                                                                                                                                                  |
| 2022 (Jan to July)                                                                                                                                                                                                                                                                                                                                                        | 0 tCO <sub>2e</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |                   |                     |                    |                     |                                                                                                                                                                                                                                                                                                  |
| <p>Project emissions from water reservoirs of hydro power plants in year y (<math>PE_{HP,y}</math>)</p>                                                                                                                                                                                                                                                                   | <p>As per para 36 of the applied methodology, for hydro power project activities that result in new single or multiple reservoirs and hydro power project activities that result in the increase of single or multiple existing reservoirs, PP shall account for CH<sub>4</sub> and CO<sub>2</sub> emissions from the reservoirs, estimated as follows.</p> <p><math>PE_{HP,y} = EF_{Res} \times TE_{Gy}</math>, if the power density is greater than 4 W/m<sup>2</sup> and less than 10 W/m<sup>2</sup></p> <p>As per para 37 of the applied methodology,</p> $PD = (Cap_{PJ} - Cap_{BL}) / (A_{PJ} - A_{BL})$ <p>Where,</p> <p>Cap<sub>PJ</sub> - Installed capacity of the hydro power plant after the implementation of the project activity</p> <p>Cap<sub>BL</sub> - Installed capacity of the hydro power plant before the implementation of the project activity</p> <p>A<sub>PJ</sub> - Area of the single or multiple reservoirs measured in the surface of the water, after the implementation of the project activity, when the reservoir is full</p> <p>A<sub>BL</sub> - Area of the single or multiple reservoirs measured in the surface of the water, before the</p> |             |                   |                     |                    |                     |                                                                                                                                                                                                                                                                                                  |

|                                                                                                                                                                                                                                                                                                                                                               | <p>implementation of the project activity, when the reservoir is full</p> <p>The verification opinion of the same is detailed below.</p> |             |                   |                     |                                                                                                                                                     |                     |                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Installed capacity of the hydro power plant after the implementation of the project activity (<math>Cap_{PJ}</math>) = 128.22 MWe</p>                                                                                                                                                                                                                      | <p>By reviewing the technical specification of turbine, it is accepted by the verification team.</p>                                     |             |                   |                     |                                                                                                                                                     |                     |                                                                                                                                                                       |
| <p>Installed capacity of the hydro power plant before the implementation of the project activity (<math>Cap_{BL}</math>) = 0 MWe</p>                                                                                                                                                                                                                          | <p>As per the methodology ACM0002 v13<sup>/A/</sup> the installed capacity for new reservoir is zero.</p>                                |             |                   |                     |                                                                                                                                                     |                     |                                                                                                                                                                       |
| <p>Area of the single or multiple reservoirs measured in the surface of the water, after the implementation of the project activity, when the reservoir is full (<math>A_{PJ}</math>) = 10,830,000 m<sup>2</sup></p>                                                                                                                                          | <p>By reviewing the project feasibility/topographical maps, it is accepted by the verification team.</p>                                 |             |                   |                     |                                                                                                                                                     |                     |                                                                                                                                                                       |
| <p>Area of the single or multiple reservoirs measured in the surface of the water, before the implementation of the project activity, when the reservoir is full (<math>A_{BL}</math>) = 0 m<sup>2</sup></p>                                                                                                                                                  | <p>As per the methodology ACM0002 v13<sup>/A/</sup> the area of the new single or multiple reservoirs is zero.</p>                       |             |                   |                     |                                                                                                                                                     |                     |                                                                                                                                                                       |
| <p>Power density (PD) = 11.84 W/m<sup>2</sup></p>                                                                                                                                                                                                                                                                                                             | <p>As per para 37 of the applied methodology,</p> $PD = (Cap_{PJ} - Cap_{BL}) / (A_{PJ} - A_{BL})$                                       |             |                   |                     |                                                                                                                                                     |                     |                                                                                                                                                                       |
| <p>Project emissions from water reservoirs of hydro power plants in year y (<math>PE_{HP,y}</math>)</p> <table border="1"> <thead> <tr> <th>Year</th><th><math>PE_{HP,y}</math></th></tr> </thead> <tbody> <tr> <td>2021 (Aug to Dec)</td><td>0 tCO<sub>2e</sub></td></tr> <tr> <td>2022 (Jan to July)</td><td>0 tCO<sub>2e</sub></td></tr> </tbody> </table> | Year                                                                                                                                     | $PE_{HP,y}$ | 2021 (Aug to Dec) | 0 tCO <sub>2e</sub> | 2022 (Jan to July)                                                                                                                                  | 0 tCO <sub>2e</sub> | <p>Since the power density is greater than 10 W/m<sup>2</sup>, and as per para equation 4 of the applied methodology, <math>PE_{HP,y} = 0</math> tCO<sub>2e</sub></p> |
| Year                                                                                                                                                                                                                                                                                                                                                          | $PE_{HP,y}$                                                                                                                              |             |                   |                     |                                                                                                                                                     |                     |                                                                                                                                                                       |
| 2021 (Aug to Dec)                                                                                                                                                                                                                                                                                                                                             | 0 tCO <sub>2e</sub>                                                                                                                      |             |                   |                     |                                                                                                                                                     |                     |                                                                                                                                                                       |
| 2022 (Jan to July)                                                                                                                                                                                                                                                                                                                                            | 0 tCO <sub>2e</sub>                                                                                                                      |             |                   |                     |                                                                                                                                                     |                     |                                                                                                                                                                       |
| <p>Project emissions (<math>PE_y</math>)</p> <table border="1"> <thead> <tr> <th>Year</th><th><math>PE_y</math></th></tr> </thead> <tbody> <tr> <td>2021 (Aug to Dec)</td><td>0 tCO<sub>2e</sub></td></tr> <tr> <td>2022 (Jan to July)</td><td>0 tCO<sub>2e</sub></td></tr> </tbody> </table>                                                                 | Year                                                                                                                                     | $PE_y$      | 2021 (Aug to Dec) | 0 tCO <sub>2e</sub> | 2022 (Jan to July)                                                                                                                                  | 0 tCO <sub>2e</sub> | <p>As per para 30 of the applied methodology, project emissions is calculated as follows.</p> $PE_y = PE_{FF,y} + PE_{GP,y} + PE_{HP,y}$                              |
| Year                                                                                                                                                                                                                                                                                                                                                          | $PE_y$                                                                                                                                   |             |                   |                     |                                                                                                                                                     |                     |                                                                                                                                                                       |
| 2021 (Aug to Dec)                                                                                                                                                                                                                                                                                                                                             | 0 tCO <sub>2e</sub>                                                                                                                      |             |                   |                     |                                                                                                                                                     |                     |                                                                                                                                                                       |
| 2022 (Jan to July)                                                                                                                                                                                                                                                                                                                                            | 0 tCO <sub>2e</sub>                                                                                                                      |             |                   |                     |                                                                                                                                                     |                     |                                                                                                                                                                       |
| <p>Leakage emissions (<math>LE_y</math>)</p> <table border="1"> <thead> <tr> <th>Year</th><th><math>LE_y</math></th></tr> </thead> <tbody> <tr> <td></td><td></td></tr> </tbody> </table>                                                                                                                                                                     | Year                                                                                                                                     | $LE_y$      |                   |                     | <p>As per para 53 of the applied methodology, no leakage emissions are considered. The main emissions potentially giving rise to leakage in the</p> |                     |                                                                                                                                                                       |
| Year                                                                                                                                                                                                                                                                                                                                                          | $LE_y$                                                                                                                                   |             |                   |                     |                                                                                                                                                     |                     |                                                                                                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                          |             |                   |                     |                                                                                                                                                     |                     |                                                                                                                                                                       |

|                                                                  |                            |                                                                                                                                                                                                                                               |
|------------------------------------------------------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                  |                            | context of electric sector projects are emissions arising due to activities such as power plant construction and upstream emissions from fossil fuel use (e.g. extraction, processing, and transport). These emissions sources are neglected. |
| 2021 (Aug to Dec)                                                | 0 tCO <sub>2e</sub>        |                                                                                                                                                                                                                                               |
| 2022 (Jan to July)                                               | 0 tCO <sub>2e</sub>        |                                                                                                                                                                                                                                               |
| Emission reductions for the monitoring period (ER <sub>y</sub> ) |                            | As per para 54 of the applied methodology (ACM0002 v13.0 <sup>/4/</sup> ), ER <sub>y</sub> is calculated as follows.<br><br>ER <sub>y</sub> = BE <sub>y</sub> - PE <sub>y</sub> - LE <sub>y</sub>                                             |
| Year                                                             | ER <sub>y</sub>            |                                                                                                                                                                                                                                               |
| 2021 (Aug to Dec)                                                | 33,111.40 tCO <sub>2</sub> |                                                                                                                                                                                                                                               |
| 2022 (Jan to July)                                               | 103,066.805                |                                                                                                                                                                                                                                               |
| Total                                                            | 136,178                    |                                                                                                                                                                                                                                               |

## 4.5 Quality of Evidence to Determine GHG Emission Reductions and Removals

The generated electricity is connected to Turkish national grid and is monitored continuously by two-way meters (Two Main meters and Two Back up-meters) that were sealed by TEIAS. Calibration procedures and test reports of the all online energy meters covering the reported monitoring period were verified for their frequency to industry standards. The meters are in compliance with the standards of the Turkish Standards institute and have obtained a "Type and system Approval" certificate from the ministry of trade and industry. The sensitivity of the Main and Back-up meters is Class 0.5S for active energy. The meters are calibrated by manufacturers before its installation. Turkish Electrical Transmission Corporation (TEIAS) is responsible for calibration and maintenance of the meters as per the registered VCS PD<sup>/20/</sup>. Project owner does not have control on the installed meter. If any major discrepancy occurs between the two meters the necessary measure are taken. The calibration of the meters was done on 12/04/2020 and the validation of the meters is done once in 10 year. The validity of the current meters which are calibrated is up to 11/04/2030. If the difference between main meter and backup meters is 0.2 %, the calibration is repeated. The monthly generation of electricity is emailed to project owner. The net electricity produced (EG<sub>PP-net,y</sub>) in year y is calculated by subtracting the total electricity consumed by the hydroelectric power plant (EG<sub>PP-selfconsumption,y</sub>), from the gross electricity generation (EG<sub>PP-gross,y</sub>) . After obtaining the net electricity production value, the emission reductions is calculated by multiplying the net electricity with the Ex-ante Combined Margin Emission Factor.

|  |            |               |
|--|------------|---------------|
|  | Main Meter | Back up Meter |
|--|------------|---------------|

| Function                                       | Unit 1                                             | Unit 2                                       | Unit 1                                             | Unit 2                                       |
|------------------------------------------------|----------------------------------------------------|----------------------------------------------|----------------------------------------------------|----------------------------------------------|
| Serial No.                                     | 9420077                                            | 9420079                                      | 9420078                                            | 9420080                                      |
| Installation date                              | 12.04.2020                                         | 12.04.2020                                   | 12.04.2020                                         | 12.04.2020                                   |
| Located                                        | At the plant                                       | At the plant                                 | At the plant                                       | At the plant                                 |
| Calibration date                               | 12.04.2020                                         | 12.04.2020                                   | 12.04.2020                                         | 12.04.2020                                   |
| Valid Until                                    | 11.04.2030                                         | 11.04.2030                                   | 11.04.2030                                         | 11.04.2030                                   |
| Make and country                               | EMH<br>metering<br>gmbh & co.<br>kg And<br>Germany | EMH metering<br>gmbh & co. kg<br>And Germany | EMH<br>metering<br>gmbh & co.<br>kg And<br>Germany | EMH metering<br>gmbh & co. kg<br>And Germany |
| Model                                          | LZQJ-XC                                            | LZQJ-XC                                      | LZQJ-XC                                            | LZQJ-XC                                      |
| Accuracy Class<br>Maximum<br>permissible error | 0.5S                                               | 0.5S                                         | 0.5S                                               | 0.5S                                         |
| Actual Error Applied                           | 0.3%                                               | 0.04%                                        | 0.03%                                              | 0.04%                                        |
| Calibration delay if<br>any                    | Nil                                                | Nil                                          | Nil                                                | Nil                                          |

## 4.6 Non-Permanence Risk Analysis

The project is a Non-AFOLU. Hence, this section is not applicable.

# 5 VERIFICATION CONCLUSION

EPIC performed verification of the VCS project “Tatar Hydro Electricity Power Plant by “Darenhes Elektrik Üretimi A.Ş. under registered VCS reference No. 1205; for 2<sup>nd</sup> Monitoring Report 01/08/2021 to 31/07/2022.”. The verification was carried out to independently assess whether the project confirms to the qualification criteria and requirements of the Voluntary Carbon Standard (VCS), including the baseline and monitoring methodology applied. The VCS program provides the standard

and framework for independent verification based on ISO 14064-2:2019 and ISO14064-3:2019 standards.

The verification was performed using a risk based approach, the review of the project description and the subsequent follow-up interviews provided EPIC with sufficient evidence to determine the fulfilment of the stated criteria.

The GHG emission calculations are documented in a complete and transparent manner. The formulae and methodologies for accounting GHG emissions are appropriate and emission factors are deemed to be of sufficient accuracy. The emission reductions forecast has been checked and it is deemed likely that the stated amount is achievable on the basis that the underlying assumptions do not change.

The monitoring plan is in line with the approved monitoring methodologies of ACM002 v13.0<sup>/4/</sup>. The plan adequately addresses all necessary information for monitoring and reporting of emissions reductions due to the project activity. Responsibilities and authorities for project management, monitoring and reporting, and the data quality control and quality assurance procedures have been described in the final MR.

The verification was carried out in accordance with the requirements of the CDM Validation and Verification standard for project activities v3.0<sup>/24/</sup> and VCS Standard v4.3<sup>/1/</sup>. As a result of the verification, the verification team confirms that for the reporting period:

- all operations of the project were implemented as described in the registered PD, (project ID 1205) ,
- The monitoring plan is in accordance with the approved monitoring methodology applied by the project activity.
- The monitoring has been carried out in accordance with the MR v1.0<sup>/11/</sup> dated 26/08/2022
- The monitoring aspects (i.e. additional monitoring parameters, monitoring frequency and calibration frequency) were in place and functional, with the installed equipment essential for generating emission reduction operating appropriately and the calibration of all the equipment had been carried out accordingly and appropriate adjustments had been made when there were delays in the calibration, and
- The GHG emission reductions achieved were calculated correctly on the basis of approved monitoring methodology.

We have verified that the information included in the final MR was correct and that the emission reductions achieved had been determined correctly. In our opinion, the GHG emission reductions for the monitoring period stated in the latest revised monitoring report for the project are fairly stated.

The verifier confirms that the GHG emission reductions were calculated without material misstatements for the whole monitoring period. Our opinion is based on the project's GHG emissions and resulting GHG emission reductions reported, and, to the valid and registered project baseline

and monitoring documents. We confirm that verified GHG emission reductions and removals for the period from 01/08/2021 to 31/07/2022 is 136,178 tCO<sub>2</sub>e.

Verification period: From 01/08/2021 to 31/07/2022

| Year      | Baseline emissions or removals (tCO <sub>2</sub> e) | Project emissions or removals (tCO <sub>2</sub> e) | Leakage emissions (tCO <sub>2</sub> e) | Net GHG emission reductions or removals (tCO <sub>2</sub> e) |
|-----------|-----------------------------------------------------|----------------------------------------------------|----------------------------------------|--------------------------------------------------------------|
| Year 2021 | 33,111                                              | 0                                                  | 0                                      | 33,111                                                       |
| Year 2022 | 103,066                                             | 0                                                  | 0                                      | 103,066                                                      |
| Total     | 136,178                                             | 0                                                  | 0                                      | 136,178                                                      |

## APPENDIX I: CORRECTIVE ACTION REQUEST AND CLARIFICATION REQUEST

| Correction Action Request (CAR) or Clarification Request (CL) or Forward Action Request (FAR)                                                                                                                                                  | Response from project participant                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Verification team conclusion                                                                                                                                                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>CL 1</p> <p>As per the MR in section 1.6, it states that the crediting period of the project is 10 years and can be renewed twice; whereas this does not comply with the VCS Standard v4.3<sup>1/</sup>. Please clarify in this regard.</p> | <p>VCS Standard Version 4.3<sup>1/</sup> were issued on the 19th of September 2019. According to this version of the standard where Verra issues new requirements relating to projects, registered projects do not need to adhere to the new requirements for the remainder of their project crediting periods (i.e., such projects remain eligible to issue VCUs through to the end of their project crediting period without revalidation against the new requirements). The new</p> | <p>As per the VCS standard 3.0 the crediting period for the project is said to be 10 years and can be renewed twice. At the time of project implementation the VCS Standard v3.0 was valid and PP has applied the same in the report. Therefore, the crediting period for the project is 10 years and can be renewed twice.</p> <p>Hence, CL1 is closed</p> |

| Correction Action Request (CAR) or Clarification Request (CL) or Forward Action Request (FAR)                               | Response from project participant                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Verification team conclusion                                                                                                                                                                                                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                             | requirements shall be adhered to at project crediting period renewal, as set out in Section 3.8.9. Therefore, the crediting period for the Tatar HPP is 10 years from 01/11/2013 to 31/10/2023 and renewable twice as it was stated in the validated PDD of the project.                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                               |
| <p>CAR 1</p> <p>PP to provide evidence for all the data and parameters monitored which are specified in MR section 4.2.</p> | <p>The evidence for EGPP-self consumption, <math>y</math>, and EGPP-gross, <math>y</math> can be found in the calculation sheet provided. Please also double-check the documents and screenshots which have already been provided under box files. Additionally, please refer to the validated Project Description Document for the detailed evidences of the parameters (CapPJ and APJ).</p>                                                                                                     | <p>The evidence for all the data and parameters monitored specified in MR is submitted by the Project proponent and is verified and accepted by the verification.</p> <p>Hence, CAR 1 is closed</p>                                                                                                           |
| <p>CAR 2</p> <p>PP to provide the objective evidence for SDG 7 and SDG 8.</p>                                               | <p>In line with SDG-7 – the project has been constructed on the Peri Stream, within the jurisdiction of Tunceli and Elazığ Provinces regard, During this monitoring period (01/08/2021 to 31/07/2022) the project has produced a net total of 252.251,94 MWh electricity and a total amount of 136.178,21 tCO<sub>2</sub>e of emission reduction from renewable sources which enables consumers to access reliable and sustainable energy without relying on imported fossil fuels in Turkey.</p> | <p>The list of employees employed in the project activity is submitted by the project proponent as object evidence for SDG 7 and training records conducted in the plant is submitted as objective evidence for SDG 8. The documents are verified by the verification team.</p> <p>Hence, CAR 2 is closed</p> |

| Correction Action Request (CAR) or Clarification Request (CL) or Forward Action Request (FAR) | Response from project participant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Verification team conclusion |
|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
|                                                                                               | In line with SDG 8- to promote sustained, inclusive and sustainable economic growth the local workers are given priority during the hiring for plant operation. There are 52 employees hired and more than 50% are local workers which creates local employment opportunities and economic growth in the region. Also in this project, occupational trainings were given regularly. Specifically, OHS-Health Issues and Firefighting trainings were given to provide decent and secure work environment. (Please check the documents in the link shared to find the details of the trainings). |                              |

## APPENDIX II: ABBREVIATIONS

|     |                                 |
|-----|---------------------------------|
| BE  | Baseline Emission               |
| CAR | Corrective Action Request       |
| CL  | Clarification Request           |
| CDM | Clean Development Mechanism     |
| EG  | Electricity Generation          |
| EIA | Environmental Impact Assessment |
| ER  | Emission Reduction              |
| FAR | Forward Action Request          |
| GHG | Green House Gases               |

|            |                                                                        |
|------------|------------------------------------------------------------------------|
| LE         | Leakage Emission                                                       |
| MR         | Monitoring Report                                                      |
| PD         | Project Description                                                    |
| PE         | Project Emission                                                       |
| PP         | Project Proponent                                                      |
| QA/QC      | Quality assurance/quality control                                      |
| VCS        | Verified Carbon Standard                                               |
| UNFCCC     | United Nations Framework for Convention on Climate Change              |
| TEIAS      | Turkish Electricity Transmission Corporation                           |
| MoEF       | Ministry of Environment and Forest                                     |
| PMUM/ MFRC | Piyasa Mali Uzlaştırma Merkezi/ Market Financial Reconciliation Center |

## APPENDIX III: REFERENCE

| No | Author | Title                                                                                                                                                                                                                            | Provider           |
|----|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| 1  | VCS    | VCS Standard v4.3<br><a href="https://verra.org/wp-content/uploads/2022/06/VCS-Standard_v4.3.pdf">https://verra.org/wp-content/uploads/2022/06/VCS-Standard_v4.3.pdf</a>                                                         | Publicly available |
| 2  | VCS    | VCS Program Guide v4.2<br><a href="https://verra.org/wp-content/uploads/2022/06/VCS-Program-Guide-v4.2.pdf">https://verra.org/wp-content/uploads/2022/06/VCS-Program-Guide-v4.2.pdf</a>                                          | Publicly available |
| 3  | VCS    | VCS Validation report template v4.1<br><a href="https://verra.org/wp-content/uploads/2022/01/VCS-Validation-Report-Template-v4.1.docx">https://verra.org/wp-content/uploads/2022/01/VCS-Validation-Report-Template-v4.1.docx</a> | Publicly available |
| 4  | CDM    | ACM0002: Grid-connected electricity generation from renewable sources V.13.0                                                                                                                                                     | Publicly available |

|    |             |                                                                                                                                                                                                                                                            |                    |
|----|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
|    |             | <a href="https://cdm.unfccc.int/methodologies/DB/XP2LKUSA61DKUQC0P IWPGWDN8ED5PG">https://cdm.unfccc.int/methodologies/DB/XP2LKUSA61DKUQC0P IWPGWDN8ED5PG</a>                                                                                              |                    |
| 5  | Third Party | Calibration Report of electricity measuring meters                                                                                                                                                                                                         | PP                 |
| 6  | PP          | Commissioning Certificates of turbine units                                                                                                                                                                                                                | PP                 |
| 7  | PP          | Emission Reduction Calculation sheet                                                                                                                                                                                                                       | PP                 |
| 8  | Third Party | Measurement And Measuring Instruments Inspection Regulation<br><a href="https://www.mevzuat.gov.tr/mevzuat?MevzuatNo=6381&amp;MevzuatTur=7&amp;MevzuatTertip=5">https://www.mevzuat.gov.tr/mevzuat?MevzuatNo=6381&amp;MevzuatTur=7&amp;MevzuatTertip=5</a> | PP                 |
| 9  | Third Party | Connection Agreement between TEIAS and Darenhes Elektrik Üretimi A.Ş                                                                                                                                                                                       | PP                 |
| 10 | PP          | Training Records                                                                                                                                                                                                                                           | PP                 |
| 11 | PP          | Initial MR dated 21/02/2022                                                                                                                                                                                                                                | PP                 |
| 12 | PP          | Final MR dated 01/09/2022                                                                                                                                                                                                                                  | PP                 |
| 13 | Third Party | EIA Affirmative                                                                                                                                                                                                                                            | PP                 |
| 14 | Third Party | EIA Report                                                                                                                                                                                                                                                 | PP                 |
| 15 | Third Party | Production License for the project                                                                                                                                                                                                                         | PP                 |
| 16 | PP          | Single Line Diagram                                                                                                                                                                                                                                        | PP                 |
| 17 | PP          | System Usage Agreement                                                                                                                                                                                                                                     | PP                 |
| 18 | PP          | Water Usage Agreement                                                                                                                                                                                                                                      | PP                 |
| 19 | PP          | Reservoirs Surface Area                                                                                                                                                                                                                                    | PP                 |
| 20 | PP          | Project registered PD                                                                                                                                                                                                                                      | PP                 |
| 21 | PP          | Document of Expropriation                                                                                                                                                                                                                                  | PP                 |
| 22 | Third Party | Change in meter                                                                                                                                                                                                                                            | PP                 |
| 24 | PP          | Maintenance Records                                                                                                                                                                                                                                        | PP                 |
| 23 | PP          | The PMUM/MFRC data of electricity (Screen shots)                                                                                                                                                                                                           | PP                 |
| 24 | CDM         | CDM validation and verification standard for Project Activities                                                                                                                                                                                            | Publicly available |