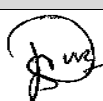

GS PROJECT RENEWAL OF CREDITING PERIOD VALIDATION REPORT

ENERJİSA ENERJİ ÜRETİM A.Ş.

CANAKKALE WPP

IN

TURKEY

Organizational Unit:	Re Carbon Ltd. Carbon Department		
Project Title:	CANAKKALE WPP		
Project Number:	Client:	Current PDD Version:	
657	Enerjisa Enerji Üretim A.Ş.	First crediting period V9 04/09/2012 For renewal crediting period: v3 – 10/06/2021	
Date of First Issue:	Date of Current Version:	Version Number:	Number of Pages:
20/12/2020	14/06/2021	02	78
Summary:			
Host Country: Turkey			
Project is Reviewed Against:			
☒ Kyoto Protocol ☒ UNFCCC CDM Rules and Regulations and associated documents ☒ Gold Standard Rules and Regulations ☐ Other (Please Specify)			
Methodology: ACM0002 Version: 20			
Project Participants: Enerjisa Enerji Üretim A.Ş			
Average Annual Emission Reduction Estimate in the 2nd Crediting Period: 56,755 tCO ₂ e			
Project Size: ☒ Large Scale ☐ Small Scale ☐ Micro Scale			
Registry Number:	Crediting Period Renewal No:	Crediting Period Start Date:	
906	☒ 1st ☐ 2nd	11/02/2018	
Validation Stages:			
☒ Desk Review ☒ Site Visit ☒ Follow-up Interviews ☐ Global Stakeholder Consultation ☒ Resolution of Outstanding Issues			
Validation Findings: During the validation 01 Corrective Action Requests, 10 Clarification Requests were raised, all of which were closed out before the issuance of this validation report. No Forward Action Requests were raised during the CP renewal validation. In summary, it is Re Carbon Ltd.'s opinion that the project activity "Canakkale WPP" in Turkey, as described in the PDD, version 03 dated 10/06/2021, meets all relevant UNFCCC requirements for the CDM, GS4GG and all relevant host Party criteria and correctly applies the baseline and monitoring methodology ACM0002, version 20. Hence, Re Carbon Ltd. requests the renewal of crediting period of this registered GS project.			
Validation Team Leader:	Fikriye Seda ATABEK		Indexing Terms:
Validation Team Members:	N/A		☒ No distribution without permission of the client or responsible organizational unit ☐ Limited Distribution ☐ Unrestricted Distribution
Approved By (Technical Reviewer):	Name:	Signature:	
	Sukanta DAS		

Abbreviations

BM	: Build Margin
CAR	: Corrective Action Request
CDM	: Clean Development Mechanism
CER	: Certified Emission Reduction(s)
CL	: Clarification request
CM	: Combined Margin
CO₂	: Carbon dioxide
CO₂e	: Carbon dioxide equivalent
DNA	: Designated National Authority
DOE	: Designated Operational Entity
DR	: Document Review
EF	: Emission Factor
EIA	: Environmental Impact Assessment
ER	: Emission Reductions
ERPA	: Emission Reduction Purchase Agreement
FAR	: Forward Action Request
FSR	: Feasibility Study Report
GHG	: Greenhouse gas(es)
GWP	: Global Warming Potential
I	: Interview
IPCC	: Intergovernmental Panel on Climate Change
IRR	: Internal Rate of Return
kWh	: Kilo Watt Hour
LoA	: Letter of approval
MoV	: Means of Validation
MW	: Mega Watt
MWh	: Mega Watt Hour
NCV	: Net Calorific Value
NGO	: Non-governmental Organisation
ODA	: Official Development Assistance
OM	: Operating Margin
PDD	: Project Design Document
PP	: Project Participant(s)
tCO₂e	: Tonnes of CO ₂ equivalents
UNFCCC	: United Nations Framework Convention on Climate Change
VAT	: Value-added tax

TABLE OF CONTENTS

1. EXECUTIVE SUMMARY – VALIDATION OPINION.....	6
2. INTRODUCTION.....	7
2.1. Objective	7
2.2. Scope.....	7
2.3. GHG Project Description.....	8
2.4. Parties Involved	8
3. METHODOLOGY	9
3.1. Validation Team and ITR Selection.....	10
3.2. Desk Review of the PDD and Additional Documents	11
3.3. Site Visits	11
3.4. Reporting of Findings via the Validation Protocol.....	13
3.5. Follow-Up Interviews	13
3.6. Resolution of Outstanding Issues.....	13
3.7. Internal Quality Control.....	14
4. VALIDATION FINDINGS.....	15
4.1. Baseline Scenario	15
4.2. Application of the Selected Baseline and Monitoring Methodology or Standardized Baseline	15
4.3. Monitoring.....	16
4.4. Calculation of Emission Factor and Emission Reductions	21
4.5. Sampling Plan	22
5. LIST OF PERSONS INTERVIEWED	23
6. LIST OF DOCUMENTS REVIEWED	24

7. VALIDATION TEAM AND ITR COMPETENCE	26
7.1. Appointment Certificates	27
8. VALIDATION OPINION	29
ANNEX 1: VALIDATION PROTOCOL	30

1. EXECUTIVE SUMMARY – VALIDATION OPINION

Re Carbon Ltd. has performed the 2nd crediting period validation of the “Canakkale WPP” in “Turkey” between 01/12/2020 and 14/06/2021. The validation was performed on the basis of UNFCCC criteria for the Clean Development Mechanism (CDM), GS4GG and Host Party criteria, as well as criteria given to provide for consistent project operations, monitoring and reporting.

As a result of validation, Re Carbon Ltd. concludes the following:

- ☒ The review of the project design documentation and the subsequent follow-up interviews have provided Re Carbon Ltd. with sufficient evidence to determine the fulfillment of all stated criteria. In our opinion, the project meets all relevant UNFCCC requirements for the CDM and Gold Standard. Therefore, Re Carbon Ltd. will recommend the renewal of crediting period of the project by the Gold Standard Organization.
- ☐ The review of the project design documentation and the subsequent follow-up interviews have not provided Re Carbon Ltd. with sufficient evidence to determine the fulfillment of all stated criteria. Therefore, Re Carbon Ltd. will not recommend the renewal of crediting period of the project by the Gold Standard Organization and will inform the project participants and the Gold Standard Organization on this decision.

2. INTRODUCTION

2.1. Objective

Re Carbon Ltd. has been appointed by “Enerjisa Enerji Üretim A.Ş.” to perform the crediting period renewal validation of the “Canakkale WPP” in Turkey with the service agreement dated 02/11/2020 /D23/. The objective of this validation activity is to have an independent third party for the assessment of the project, and to ensure that the selected baseline, estimated emission reductions and monitoring plan is still in line with the applied methodologies and the applicable CDM requirements. In particular;

- the project's baseline is assessed against “ACM0002: Grid-connected electricity generation from renewable sources --- Version 20.0 /D24/”
- the project’s monitoring plan is assessed against “ACM0002: Grid-connected electricity generation from renewable sources --- Version 20.0/D24/”
- the projects compliance with, the requirements of Article 12 of the Kyoto Protocol, the CDM Modalities and Procedures as agreed in the Marrakech Accords under decision 3/CMP.1, the annexes to this decision, subsequent decisions and guidance made by COP/MOP & CDM Executive Board and other relevant rules, including the Host Country legislation and sustainability criteria
- CDM Validation and Verification Standard version 2.0 /D25/
- CDM Project Standard version 2.0/D26/
- CDM Project Cycle Procedure version 2.0/D27/
- Gold Standard for Global Goals version 1.0 /D28/

Validation is a requirement for all GS-VER projects that are requesting a renewal of crediting period and is seen as necessary to provide assurance to stakeholders of the quality of the project and its intended generation of verified emission reductions (VERs).

2.2. Scope

The scope of the validation is the independent and objective review of the Project Design Document (PDD) which is revised for the 2nd crediting period. The PDD is reviewed against the relevant criteria (see Section 2.1) and decisions by the CDM Executive Board, including the approved baseline and monitoring methodology. The validation was based on the guidance given in the CDM Validation and Verification Standard version 2.0/D25/, CDM Project Standard version 2.0/D26/, CDM Project Cycle Procedure version 2.0/D27/ and Gold Standard for Global Goals version 1.0/D28/.

The validation team has employed a risk based approach to assess the completeness and accuracy of the claims and conservativeness of the assumptions in the PDD. The main focus of the validation team is to determine if the identified baseline is still applicable to the project

activity, if the estimated emission reductions for the 2nd crediting period are still conservative and if the monitoring plan is still feasible for the project activity.

The only purpose of the validation is its usage during the renewal of crediting period process as part of the CDM project cycle. Therefore, Re Carbon Ltd. can't be held liable by any party for decisions made or not made based on the validation opinion, which will go beyond that purpose.

2.3. GHG Project Description

Enerjisa Enerji Üretim A.Ş. (hereafter referred as “ENERJISA”), has installed and commissioned a 29.9 MW wind power plant with 13 Siemens SWT 101 wind turbines, each having a capacity of 2.3 MW each located between Üvecik Village and Mahmudiye Town of Çanakkale Province in Western part of Turkey (hereafter referred as “Çanakkale WPP”). The electricity has been transmitted to an existing substation at Canakkale Natural Gas Fired Power Plant via an underground power line.

The project was operational on 11/02/2011 and registered on 03/08/2012 under the Gold Standard Registry with the registration number GS906.

As confirmed through GS registry first crediting period was between Feb 11, 2011 — Feb 10, 2018. The second crediting period dates of the project is given in PDD /D34/as 11/02/2018 - 10/02/2025 with the choice of renewable crediting period.

The Project Proponent has been granted a 49 year generation licence /D05/ by the Turkish Energy Market Regulatory Authority for the proposed Project under the provisions of Law No. 4628 governing the electricity market in the Republic of Turkey.

The purpose of the Project is to produce renewable electricity using wind as the power source and to contribute to Turkey's growing electricity demand through a sustainable and low carbon technology. The project will displace the same amount of electricity generated by the grid dominated with fossil fired power plants. The annual emission reduction estimated by the project is 56,755 tonnes of CO₂eq/D19/.

2.4. Parties Involved

The registered PDD indicates Enerjisa Enerji Üretim A.Ş. as the project participant. The PDD submitted for renewal of crediting period indicates the same one (Enerjisa Enerji Üretim A.Ş.) as the project participant and host country is Turkey.

3. METHODOLOGY

The renewal of crediting period validation of proposed CDM project activity includes the following phases:

- Assessment whether the baseline of the project activity is revised in the PDD to reflect the most recent situation for the project activity, via a desk review of the revised PDD /D34/ between 01/12/2020 and 14/06/2021.
- Assessment whether the applied methodology ACM0002: Grid-connected electricity generation from renewable sources --- Version 20.0, in the revised PDD has been applied correctly, including the baseline selection and monitoring plan.
- Assessment of data and calculation of greenhouse gas emission reductions.
- Issuance of the renewal of crediting period validation report
- Independent technical review (ITR)
- Approval of the validation report and request of renewal of crediting period

The Validation Protocol is used for the assessment of each requirement during the execution of validation activities and is given in Annex-1 of this validation report.

The Validation Protocol consists of two tables:

- Table 1 (Project Design Document (PDD) and CDM validation requirements) and
- Table 2 (Resolution of Corrective Action, Forward Action and Clarification Requests)

The usage description of Table-1 in Validation Protocol is explained in Table 3-1 below:

Table 3-1: Explanation about Table-1 in Validation Protocol

Question	Reference	MoV*	Findings, comments, references and document sources	Draft & Final Conclusion
The requirements related with the PDD and validation	Gives reference to the legislation or documents where the relevant requirement is found	Explains how conformance with question is investigated. Examples of means of validation are Document Review (DR), Interview (I) and Not Applicable (NA)	Is used to elaborate and discuss the question and/or conformance to the question by giving related references and document sources based on which the finding is issued or evidence is checked	Either acceptable based on the evidence provided (OK), non-compliance with the requirement (CAR), further clarification (CL) due to insufficient, unclear or not transparent information, forward action request (FAR) that needs to be solved during the verification

The usage description of Table-2 in Validation Protocol is explained in Table 3-2 below:

Table 3-2: Explanation about Table-2 in Validation Protocol

Draft Report Clarifications, Forward Action and Corrective Action Requests by Validation Team	Ref. to Questions in Table-1	Summary of Project Participants' Response	Validation Team Conclusion
The all CL, FAR and CARs determined during the draft validation report should be listed here	Gives reference to the checklist questions in Table-1 of Validation Protocol	Is used to summarize the responses by project participants regarding the non-conformities	Is used to summarize the responses by validation team and their conclusions

The Validation Protocol is fulfilled by the validation team in line with the descriptions above and all the CARs, CLs and FARs are listed in a transparent and clear manner.

3.1. Validation Team and ITR Selection

The appointment process of the validation team takes into account the technical area(s), sectoral scope(s), and relevant host country experience required amongst team members for the accurate and thorough assessment of the project design. The relevant CDM validation and previous ITR experiences are also assessed during the selection of the team members and Independent Technical Reviewer (ITR), respectively. The validation team and ITR are assigned to this validation activity on 02/10/2020 taking all the above factors into consideration and as a result of the contract review process.

The validation team members and ITR are given in Table 3-3 below:

Table 3-3: Validation team and ITR details

Name	Role	Host Country Experience	Scope Coverage	Technical Expertise	Financial Expertise	Involvement*
Fikriye Seda ATABEK	Team Leader	☒	☒	☒	☐	A, DR, R, SV
Sukanta DAS	ITR	☒	☒	☒	☐	ITR

* Explanations for the abbreviations used for involvement types are as follows:

A : Administrative

DR : Desk Review

SV : Site Visit

R : Reporting

ITR : Independent Technical Review

3.2. Desk Review of the PDD and Additional Documents

The basis for the crediting period renewal validation activity is the PDD version 01, dated 02/11/2020 which was submitted to the validation team on 14/12/2020 /D16/. This PDD was revised several times due to the raised CARs and CLs, version 03 dated 10/06/2021 being the final version /D34/. The PDD was assessed against;

- ACM0002: Grid-connected electricity generation from renewable sources --- Version 20.0 /D24/
- Tool to calculate the emission factor for an electricity system, Version 07.0 /D29/
- Tool for the demonstration and assessment of additionality, Version 07.0.0 /D30/
- Tool to calculate project or leakage CO₂ emissions from fossil fuel combustion, Version 03.0 /D31/
- CDM Validation and Verification Standard version 2.0 /D25/
- CDM Project Standard version 2.0/D26/
- CDM Project Cycle Procedure version 2.0/D27/
- Gold Standard for Global Goals version 1.0 /D28/
- The Host Country criteria

A list of all the documents that were reviewed can be found in Section 6 of this validation report.

3.3. Site Visits

As a part of the validation activities a remote site visit was performed to the project activity site, details of which can be seen in the Table 3-5 below. Site visit was held remotely due to travel restrictions caused by Covid-19 Interim Measures:

Table 3-4: Site visit details

Date	02/12/2020	
Location	Online site visit	
Participant	Company Name	Role in the Organization / Role in the Site Visit
Sıla Kılıç	Sekans Danışmanlık	Consultant
Nihat Arı	Enerjisa Enerji Üretim A.Ş.	Generation and Maintenance Manager
Memet Kaya	Enerjisa Enerji Üretim A.Ş.	Assistant Manager
Ersin Kaymak	Enerjisa Enerji Üretim A.Ş.	Technician

Halil Gencil	Enerjisa Enerji Üretim A.Ş.	Technician
Dilek Güven Güngör	Enerjisa Enerji Üretim A.Ş.	Client and Green Market solutions
Habil Ozbey	Mahmudiye Village	Muhtar (male)
Fatmagül Güngör	Mahmudiye Village	Resident (female)
Hasan Düzel	Mahmudiye Village	Resident (male)
Points Verified		Source of Information
To confirm rightness of project description, as per GS PDD and Passport including project components and location		Document Review / Online Site Visit
To check the project development and operation		Document Review / Online Site Visit
To check the project development and operation		Document Review / Online Site Visit
To check the project development and operation, working conditions and safety applications		Document Review / Online Site Visit
To check the project development and operation, working conditions and safety applications		Document Review / Online Site Visit
To check the project development and operation		Document Review / Online Site Visit
To interview with the local stakeholders about the project and its impacts (expropriation, noise, shadow flicker, communication with PP, waste management, condition of roads, access to process site for husbandry)		Online Site Visit
To interview with the local stakeholders about the project and its impacts (expropriation, noise, shadow flicker, communication with PP, waste management, condition of roads, access to process site for husbandry)		Online Site Visit
To interview with the local stakeholders about the project and its impacts (expropriation, noise, shadow flicker, communication with PP, waste management, condition of roads, access to process site for husbandry)		Online Site Visit

3.4. Reporting of Findings via the Validation Protocol

During the validation period, a Validation Protocol which is attached in Annex 1 to this crediting period renewal validation report was used to submit the findings to the project participants.

In line with the CDM Validation and Verification Standard, the team reports the non-conformities in the forms of Corrective Action Requests (CARs), Clarification Requests (CLs) and Forward Action Requests (FARs). When and for which type of non-conformities CARs, CLs and FARs are raised are explained below:

- The Validation team raises a **CAR** if one of the following occurs:
 - The project participants have made mistakes that will influence the ability of the project activity to achieve real, measurable additional emission reductions
 - The CDM requirements have not been met
 - There is a risk that emission reductions cannot be monitored or calculated.
- The Validation team raises a **CL** if information is insufficient or not clear or not transparent enough to determine whether the applicable CDM requirements have been met.
- The Validation team raises a **FAR** during validation to highlight issues related to project implementation that require review during the verification of the project activity.

According to these principles total of 01 CARs and 10 CLs were raised all of which are listed in the Validation Protocol.

3.5. Follow-Up Interviews

During the validation period follow-up interviews were realized by the validation team to further analyze the correctness and accurateness of the information provided. A list of persons interviewed is given in Section 5 of this Validation Report.

3.6. Resolution of Outstanding Issues

All the issues raised as CLs and CARs during this validation activity, were resolved, during the written and oral communications between the Project Participant(s) and Re Carbon Ltd. validation team members. For the resolution of these non-conformities, the project participants modified the project design, rectified the PDD or provided adequate additional explanations or evidences that satisfy the concerns of the validation team members.

The concerns raised in the desk review, the on-site audit assessments and the follow up interviews and the responses provided for the raised concerns are documented in Annex 1 (Validation Protocol) to guarantee the transparency of the validation process.

The validation timeframe is given in detail in Table 3-5 below:

Table 3-5: Validation Timeframe

Action	Timeline	
	From	To
Desk Review	30/11/2020	02/12/2020
Site Visit	02/12/2020	02/12/2020
Issuance of the Validation Protocol version 01	25/12/2020	25/12/2020
Review of PPs Initial Set of Responses	13/01/2021	13/01/2021
Issuance of the Validation Protocol version 02	18/01/2021	18/01/2021
Review of PPs Second Loop Responses	22/01/2021	22/01/2021
Closing of all the CARs and CLs	22/01/2021	22/01/2021
Issuance of the Validation Report version 01	22/01/2021	22/01/2021
ITR Process	26/01/2021	27/01/2021
Issuance of the Validation Report version 1.1	28/01/2021	
Revision of the report based on GS initial comments	14/06/2021	

Information or clarifications provided as a response to a CAR, CL or FAR could also lead to a new request. This can also be seen transparently in the Validation Protocol provided in Annex 1 of this Validation Report.

3.7. Internal Quality Control

As a final step of validation, the final documentation including the validation report and annexes have to undergo an internal quality control by Re Carbon Ltd.. This quality control is also referred to as Independent Technical Review process.

The Independent Technical Review is performed by another Team Leader who hasn't involved in the validation activities of this project activity. When the Team Leader finalizes the Validation Report, the report is sent to Independent Technical Reviewer, at this stage not only the report but all the supporting documents like emission factor calculations, additionality justifications, relevant excel sheets etc. are reviewed.

Further CLs and CARs can be raised by the Independent Technical Reviewer during this review, to cover all the points that may need further clarification.

After all the CLs and CARs are closed, the validation report is reviewed and approved by the Team Leader, ITR and the Certification Manager/General Manager, and the request of registration is submitted to the Gols Standard Organization along with the relevant documents.

4. VALIDATION FINDINGS

4.1. Baseline Scenario

The project activity was earlier registered using the methodology ACM0002 Version 12.1. The PDD (Version 09, dated 04/09/2012) /D14/ has been updated in the revised PDD using the latest approved version of the methodology ACM0002 Version 20. All the applicability conditions of the methodology have been justified appropriately in the revised PDD (Version 3, dated 10/06/2021) /D34/.

There has been no significant change in the relevant policies and circumstances, which would impact the baseline scenario since 04/09/2012 (date of earlier registered PDD) till date. The revised PDD takes into account all the relevant national and sectoral policies and circumstances that were applicable as on 02/11/2020. The discussion on the same has also been provided in the updated PDD.

The project activity is supplying power to the Turkish national grid. Thus, the baseline scenario continues to remain same as earlier, as follows: “The electricity delivered to the grid by the project activity that otherwise would have been generated by the operation of grid-connected power plants and by the addition of new generation sources”.

The emission factor has been updated and fixed ex-ante for the 2nd renewable crediting period and the national emission factor published by the Ministry of Energy has been used /D32/. The emission factor in the earlier PDD was 0.610 tCO₂/MWh with 0.75 and 0.25 weightage factor given to ‘operating margin’ and ‘build margin’, respectively. The emission factor in the updated PDD is 0.6198 tCO₂/MWh with 0.75 and 0.25 weightage factor given to ‘operating margin’ and ‘build margin’, respectively.

Project does not use any other forms of credit as checked through VCS registry and IREC registry. Turkey does not yet have an emission reduction scheme to be checked for double counting.

VER issuance records are available in GS Registry (<https://registry.goldstandard.org/projects/details/1252>). Despite the sales prices were so lower than expected at the investment time, sold VERs provided contribution (%1,46) of the ongoing financial sustainability of the project. Based on the provided evidences, it could be concluded that issued VERs give support to the ongoing financial sustainability of the project.

4.2. Application of the Selected Baseline and Monitoring Methodology or Standardized Baseline

The project activity was earlier registered using the methodology ACM0002 Version 12.1. The PDD (Version 09, dated 04/09/2012) has been updated in the revised PDD using the latest approved version of the methodology ACM0002 Version 20.

The PPs have used the most recent version of the same methodology as the original registered PDD, i.e. the version that is valid at the time of submission of the revised PDD for the renewal of the crediting period. All the applicability conditions of the methodology have been justified appropriately in the revised PDD (Version 09, dated 04/09/2012). The project is a greenfield grid-connected renewable energy power generation project (wind power plant project) connected to the Turkish grid.

4.3. Monitoring

The monitoring plan has been revised in the updated PDD as per the applied methodology ACM0002 Version 20 /D24/. The emission factor of the grid has been fixed ex-ante and will not be updated during the 2nd renewable crediting period.

7.2.1 Renewable energy share in the total final energy consumption

The only monitoring parameter is the amount of net electricity fed into the grid. This value will be monitored continuously and recorded monthly by metering devices that belong to TEIAS, Turkish Electricity Transmission company.

The main source of generation data is EPIAS records (Energy Markets Company of the government). The quantity of net electricity delivered to the grid is cross checked with the meter reading records of TEIAS meters /D33/.

Specifications	Main meter	Spare Meter
Manufacturer:	ACTARIS	ACTARIS
Serial No:	53031805	53031806
Accuracy Class:	0.5 S	0.5 S

eters have been validated via photos of meters and records of meter change and test documents presented to DOE /D6/. Accuracy classes are defined in the Communiqué for Power Meters as 0.5S class. The calibration will be implemented in accordance with the related standard procedures (IEC-EN 62053-22 and 62053-23) by either Turkish Electricity Transmission Corporation (TEIAS) or the provider company in the name of TEIAS. The meters are calibrated on yearly basis. The latest calibration was made on 26/04/2019 as provided to DOE /D06/.

8.5.2 Unemployment rate, by sex, age and persons with disabilities

Number of employment is monitored through Social Security System (SGK) records. 3 employees (all male) have been employed for project and SGK records are available to DOE /D11/.

At the HQ of Enerjisa, there are female employees who work on behalf of all renewable energy sites of the same holding; they are verified through social security records as below:

Human resources management: Seda Karademir

Processing IT infrastructure: İlknur Akyüz

Payment and cash proceeds management: Kübra Ateş

8.8.1 Frequency rates of fatal and non-fatal occupational injuries, by sex and migrant status

Number of safety trainings are monitored through training certificates. Certificates have been provided to DOE /D12/.

Besides, Fair wage, working hours and occupational injuries will be monitored through social security records.

13.3.2 Number of countries that have communicated the strengthening of institutional, systemic and individual capacity-building to implement adaptation, mitigation and technology transfer, and development actions

Emission reductions by the project activity in year y (t CO₂/yr) are calculated and calculation and emission factor have been checked by DOE.

Responsibilities of data collection and monitoring are clearly explained in PDD.

9.10 High Conservation Value Areas and Critical Habitats

Number of effected birds and bats will be monitored by monitoring of site inspection and recording to logbooks in case any carcass is seen.

Safeguarding Principles:

Principle	VVB conclusion
1 Human Rights	Turkey is a party to European Convention on Human Rights since 18.May. 1954 No complaints from employees during remote site visit. Grievance mechanism is the ongoing communication with PP and stakeholders and muhtar and other stakeholders have the communication details of PP.
2– Gender Equality and Women’s Rights	Project does not relate to gender issues, PP is an equal opportunity employer and there are no complaints for discrimination.

3-Community Health, Safety and Working Conditions	Project complies with all regulations of work safety. Hse trainings are provided and all workers are registered to social security system.
4-Cultural Heritage, Indigenous Peoples, Displacement and Resettlement 4.1 Sites of Cultural and Historical Heritage 4.2 Forced Eviction and Displacement 4.3 Land Tenure and Other Rights 4.4 Indigenous Peoples	Project is not in an area of cultural heritage. Project does not result in forced displacement and does not violate land ownership rights. Expropriation process has been completed to be in line with regulations. Fees have been paid appropisately and there are no comments from stakeholders. There are no indingenous people in area.
5-Corruption	Turkey is a party to OECD and is party to Anti-Bribery Convention. ²¹ The project owner respects Declaration of property and Anti- Corruption Law No.3628
6-Economic Impacts 6.1. Labour Rights 6.2. Negative Economic Consequences	Project owner provides fair working conditions which are also checked by government. During remote site visit employees declared that safety trainings are provided regularly,, they have PPE in good condition and wages paid on time (wages can not be lower than minimum wage determined by regulation). Social security records have been provided to

	VVB.
7.1 – Climate and Energy 7.1.Emissions 7.2. Energy Supply	The project reduces greenhouse gas emissions compared to the baseline scenario. The project generates renewable energy and supplies to the national grid. Through renewable technologies and wind-based electricity sustainable and climate friendly development is promoted.
8-Water 8.1 Impact on Natural Water Patterns/Flows 8.2 Erosion and/or Water Body Instability	The project does not have any impact on the surface and ground water quality. No rivers with continuous flow regime exist in the project site. And the project owner complies with all relevant national laws. The project does not cause additional erosion and/or water body instability or disrupt the natural pattern of erosion. Water quality and quantity is monitored by records of “sewage transfer by truck to local municipality sewage system” /D15/.
Principle 9 - Environment, ecology and land 9.1 Landscape Modification and Soil 9.2 Vulnerability to Natural Disaster 9.3 Genetic Resources	The project land have been approved by the local Authorities. Soil Condition is monitored by records of “mineral oil and

9.4 Release of pollutants 9.5 Hazardous and Nonhazardous Waste 9.6 Pesticides & Fertilisers 9.7 Harvesting of Forests 9.8 Food 9.9 Animal husbandry 9.10 High Conservation Value Areas and Critical Habitats	electronic waste transferred by the legally permitted company” /D15/. All waste has been disposed as per regulations and Waste Declaration Forms have been provided to VVB. Project does not increase the possibility and damage of any natural disasters The project complies with the related regulations of Ministry of Environment and Urbanization Noise pollution is monitored via Noise Monitoring Report and submitted during the first validation phase of the project. It’s been concluded that the measured values are below the permitted limits. According to the measurement results, the maximum measured value is 0.88 dbA Leq and it is below the limit value (5 dbA Leq). Also, no complaints were received from stakeholders during site visit /D07, D22/. Regarding shadow flickering effect, there isn’t any negative impact nor complaint. No complaints on excavation from stakeholders. The Project does not physically affect or alter largely intact or High Conservation
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	Value (HCV) ecosystems, critical habitats, landscapes, key biodiversity areas or sites identified
9.11 Endangered Species	There are not endangered species identified as potentially being present within the project land. Biodiversity is monitored via Ornithology Report and it has been concluded by experts that no more monitoring is needed as the project does not have a negative impact on fauna. It is stated in report dated spring 2012 that the number of collisions is low and the species are common species which are not endangered /D08/.

4.4. Calculation of Emission Factor and Emission Reductions

The emission reduction from the project activity throughout the 2nd renewable crediting period of 7 years would continue to happen if the project operates without getting replaced during the whole crediting period. The operational lifetime of the project stated in the earlier registered PDD was 20 years and the start date was 28.04.2010 (date of signature of the works contract). The on-site inspection and review of the records suggest that the key project equipment is maintained properly. Therefore, the project is expected to operate throughout the 2nd crediting period of 7 years and result in emission reductions.

The emission reduction calculation estimations have been revised in the updated PDD as per the latest approved version of the methodology ACM0002 v20. The emission factor of the grid has been updated and the emission reduction estimates are revised. The baseline emissions are calculated based on the emission factor multiplied by the expected net electricity generation, which amounts to 91,570 MWh per annum in line with the micrositeing report of the project activity /D03/.

For the calculation of the emission factor of Turkish Grid, "Tool to Calculate the Emission Factor for an Electricity System, version 7.0", has been used /D29/.

The combined margin emission factor has been obtained from national value published by the Ministry of Energy, calculated using the default values of 0.75 and 0.25 for OM and BM, respectively and it is calculated as 0.6198 tCO₂/MWh /D32/.

There are no project or leakage emissions associated with wind power projects. Thus, the emission reductions correspond to the baseline emissions. The project is expected to result in an average emission reduction of 56,755 tCO₂/year during the second renewable crediting period.

4.5. Sampling Plan

N/A

5. LIST OF PERSONS INTERVIEWED

The list of people who were interviewed during the validation period is given in the Table 5-1 below:

Table 5-1: List of persons interviewed

Reference Number	Means of Interview ¹	Full Name	Title	Organization
I01	SV	Sıla Kılıç	Consultant	Sekans Danışmanlık
I02	SV	Nihat Arı	Generation and Maintenance Manager	Enerjisa Enerji Üretim A.Ş.
I03	SV	Memet Kaya	Assistant Manager	Enerjisa Enerji Üretim A.Ş.
I04	SV	Ersin Kaymak	Technician	Enerjisa Enerji Üretim A.Ş.
I05	SV	Halil Gencil	Technician	Enerjisa Enerji Üretim A.Ş.
I06	SV	Dilek Güven Güngör	Client and Green Market solutions	Enerjisa Enerji Üretim A.Ş.
I07	SV	Habil Ozbey	Mukhtar (Male)	Mahmudiye Village
I08	SV	Fatmagül Güngör	Resident (Female)	Mahmudiye Village
I09	SV	Hasan Düzel	Resident (Male)	Mahmudiye Village

¹ SV: Online Site Visit; T: Telephone; E: E-mail

6. LIST OF DOCUMENTS REVIEWED

The list of the documents which were reviewed during the validation period is given in the Table 6-1 below:

Table 6-1: List of documents reviewed

Document Number	Document Name	Version	Date (dd/mm/yyyy)
D01	Final_Iss Review_GS_906	-	27-05-2019
D02	Final_Ver Report_Canakkale WPP	3.1	16-05-2019
D03	Canakkale_PTD	-	2009
D04	Draft_ER Calculations_657 Canakkale wind	V01	25-11-2020
D05	License	-	21/02/2008
D06	Meter Test Reports	-	2018-2019
D07	Noise Report	-	25/12/2018
D08	Ornithology Reports	-	Fall 2011, Spring 2012
D09	Provisional Acceptance	-	T1-4: 11/02/2011 T5-13: 07/05/2011 T2: 06/05/2011
D10	Single line diagram	-	
D11	Social Security Records	-	-
D12	Training Records	-	2018-2019-2020
D13	Final_Passport_Canakkale	V9	04/09/2012
D14	Final_PDD_Canakkale_WPP	V9	04/09/2012
D15	Waste Records	-	-
D16	Draft_PDD_657 Canakkale wind	V01	25-11-2020
D17	Photos of site	-	-
D18	ER calculations_Çanakkale WPP	V2	12.01.2021
D19	ER calculations_Çanakkale WPP	V3	20.01.2021
D20	PDD-Canakkale WPP	V2	12.01.2021
D21	Signed Letter by Mukhtar	-	07/01/2021
D22	SV notes_657 Canakkale wind	-	02-12-2020
D23	CP Renewal Validation Service Ageement	-	02/11/2020
D24	ACM0002	V20	29/11/2019
D25	CDM Validation and Verification Standard version	2.0	29/11/2018

Document Number	Document Name	Version	Date (dd/mm/yyyy)
D26	CDM Project Standard version	2.0	29/11/2018
D27	CDM Project Cycle Procedure version	2.0	29/11/2018
D28	Gold Standard for Global Goals version	1.0	-
D29	Tool to calculate the emission factor for an electricity system	Version 07.0	-
D30	Tool for the demonstration and assessment of additionality	Version 07.0.0	-
D31	Tool to calculate project or leakage CO2 emissions from fossil fuel combustion	Version 03.0	
D32	National Emission factor of Turkey		01/09/2020
D33	EPIAS Screenshoots	-	2018-2019-2020
D34	PDD-Canakkale WPP	V3	10.06.2021

7. VALIDATION TEAM AND ITR COMPETENCE

Fikriye Seda ATABEK, B.Sc. in Chemical Engineering has completed her M.Sc. degree in Istanbul Technical University in Energy Science and Technology. She is a lead auditor and trainer for ISO 50001 and has been working about management systems, ISO 14064 and energy management in industry since 2004. She has been involved in more than 80 GS and VCS projects as a team leader/validator/verifier especially in the energy sector. She has been working as contracted voluntary market projects' team leader/validator/verifier and CDM validator/verifier in the context of Re Carbon.

Sukanta DAS, has done M. SC in Physics and M. Tech in Energy technology from Tezpur Central University in India. He is a certified lead auditor for ISO 14001 EMS LA. He has more than five years of work experience at TUV NoRD under various categories of projects stating from Renewable to waste to supercritical projects. He was JI/CDM Lead Assessor in TUV NoRD and was involved in more than 80 CDM validation and verifications activities and Gold Standard, VER projects as a team leader/technical reviewer / validator / verifier covering the sectoral scope 1 technical area 1.2. He has been working as a contracted team leader, technical reviewer and renewable energy expert in the context of Re Carbon.

7.1. Appointment Certificates

Re Carbon Gözetim Denetim ve Belgelendirme Ltd. Şti. Bağış Plaza Muhsin Yazıcıoğlu Cad. 43/11 TR : 06520 Beştepe-Ankara Tel.: 0090-312-267 5122 Fax: 0090-312-267 3373	Certificate of Appointment Carbon Division	 Page: 1/1
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This Certificate of Appointment is given to **Mrs. Fikriye Seda ATABEK** as a confirmation of compliance with internal qualification requirements as follows:

Clean Development Mechanism				
Validator	Verifier	Team leader	Technical reviewer	Technical Expert
05-05-2017	05-05-2017	N/A	N/A	05-05-2017

Verified Carbon Standard, Gold Standard, World Commission on Dams, Social Carbon				
Validator	Verifier	Team leader	Technical reviewer	Technical Expert
05-05-2017	05-05-2017	05-05-2017	N/A	05-05-2017

Speciality	Regional expertise	Financial expertise	Technical area
N/A	Turkey and China	N/A	1.2

Within the scope and in strict accordance to the appointment indicated above, the bearer can:

1. Participate in the assessments conducted by Re Carbon Ltd.
2. Take the roles within and outside of the assessment team.
3. Bring specific expertise to the assessments.

This Certificate of Appointment is valid unless there are changes in the related requirements for the qualification and appointment and/or the personnel's work agreement is terminated and there is no defined validity period for this Certificate.

However, The Certificate may be updated, suspended or cancelled at any time, as a result of the performance assessments and/or other reasons as defined above.

APPOINTMENT IS GRANTED BY			
Mr. Anıl SOYLER	Certification Manager	05-05-2017	
Name	Position	Date	Signature

~C-002 / 05.12.2017 - 00

Re Carbon Gölaltın Denetim ve Belgelendirme Ltd. Şti. Bağış Plaza Muhsin Yazıcıoğlu Cad. 43/11 TR / 08520 Balgat-Ankara Tel: 0090-312-267 5122 Fax: 0090-312-267 3373	Certificate of Appointment	
	Carbon Division	

This Certificate of Appointment is given to **Mr. Sukanta DAS** as a confirmation of compliance with internal qualification requirements as follows:

Clean Development Mechanism				
Validator	Verifier	Team leader	Technical reviewer	Technical Expert
05-05-2017	05-05-2017	05-05-2017	05-05-2017	05-05-2017

Verified Carbon Standard, Gold Standard, World Commission on Dams, Social Carbon				
Validator	Verifier	Team leader	Technical reviewer	Technical Expert
05-05-2017	05-05-2017	05-05-2017	05-05-2017	05-05-2017

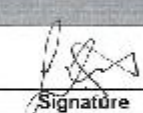
Speciality	Regional expertise	Financial expertise	Technical area
N/A	Saudi Arabia, Morocco and India	N/A	1.1, 1.2 & 13.1

Within the scope and in strict accordance to the appointment indicated above, the bearer can:

1. Participate in the assessments conducted by Re Carbon Ltd.
2. Take the roles within and outside of the assessment team
3. Bring specific expertise to the assessments

This Certificate of Appointment is valid unless there are changes in the related requirements for the qualification and appointment and/or the personnel's work agreement is terminated and there is no defined validity period for this Certificate.

However, The Certificate may be updated, suspended or cancelled at any time, as a result of the performance assessments and/or other reasons as defined above.

APPOINTMENT IS GRANTED BY			
Mr. ANIL SÖYLER	Certification Manager	05-05-2017	
Name	Position	Date	Signature

FC-003 / 03.11.2017 - 06



8. VALIDATION OPINION

Re Carbon Ltd. has performed the 2nd crediting period validation of the “Canakkale WPP” in “Turkey” between 01/12/2020 and 14/06/2021. The validation was performed on the basis of UNFCCC criteria for the CDM, Gold Standard and Host Party criteria, as well as criteria given to provide for consistent project operations, monitoring and reporting.

The validation has been performed by a validation team consisting of “Fikriye Seda ATABEK as Team Leader and Sukanta DAS as ITR”, and the project activity was checked against the applicable rules and regulations of CDM including CDM Validation and Verification Standard version 2.0/D25/, CDM Project Standard version 2.0/D26/, CDM Project Cycle Procedure version 2.0/D27/ and Gold Standard for Global Goals version 1.0/D28/.

Re Carbon Ltd. hereby confirms that the proposed project activity “Canakkale WPP” in “Turkey”, has applied all relevant EB-guidance as the selected baseline and monitoring methodologies and the associated methodological tools have been applied correctly. Total emission reductions from the project are estimated to be around 56,755.00 tCO₂e per year over the 2nd crediting period. The emission reduction forecast has been checked and it is deemed likely that the stated amount is achieved given that the underlying assumptions do not change.

As a result, the validation team assigned by the Re Carbon Ltd. concludes that the proposed Project Activity “Canakkale WPP” in “Turkey”, as described in the PDD (v3, 10/06/2021).

- meets all relevant Host Country criteria;
- meets all relevant requirements of the UNFCCC for CDM project activities [including Article 12 of the Kyoto Protocol, the Modalities and Procedures for CDM (Marrakesh Accords) and the subsequent decisions and guidance by the COP/MOP and the CDM Executive Board];
- applies correctly the baseline and monitoring methodology ACM0002 version 20;
- is likely to achieve estimated emission reductions;

Therefore, Re Carbon Ltd. requests the renewal of crediting period of the project activity.



Fikriye Seda ATABEK
Team Leader
14/06/2021



Sukanta DAS
ITR
14/06/2021



Anıl SÖYLER
Certification Manager
14/06/2021

ANNEX 1: VALIDATION PROTOCOL

Table 1 – CDM Renewal of Crediting Period Validation Requirements

Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
Cover Page-Key Project Information					
1. Has the following information been indicated in the cover page of the PDD?	GS-PDD-FORM Ver. 1.1	DR	Please see below	OK	OK
1.1. Title of the project activity	GS-PDD-FORM Ver. 1.1	DR	Title is stated as "Canakkale WPP" as confirmed through GS registry.	OK	OK
1.2. Brief description of the project	GS-PDD-FORM Ver. 1.1	DR	The brief description of the project is available.	OK	OK
1.3. Expected implementation date	GS-PDD-FORM Ver. 1.1	DR	Implementation date is 11/02/2011 confirmed through provisional acceptance documents provided to DOE.	OK	OK
1.4. Expected duration of the project	GS-PDD-FORM Ver. 1.1	DR	20 years as confirmed through first validation PDD (The expected operational lifetime of the project is assumed as 20 years taking into account the lifetime of the equipment.) License of the project is also provided and it is valid for 49 years starting from 2008.	OK	OK
1.5. Project developer	GS-PDD-FORM Ver. 1.1	DR	Enerjisa Enerji Üretim A.Ş. is the project developer.	OK	OK
1.6. Project representative	GS-PDD-FORM Ver. 1.1	DR	SILA DURAN-Sekans Danışmanlık is the project representative.	OK	OK
1.7. Project participants and any communities involved	GS-PDD-FORM Ver. 1.1	DR	Enerjisa Enerji Üretim A.Ş.	OK	OK
1.8. Version number and date of the PDD	GS-PDD-FORM Ver. 1.1	DR	Version number of PDD for first crediting period is V9, 04/09/2012 and for renewal crediting period: v1 – 02/11/2020.	OK	OK
1.9. Host country and location of the project	GS-PDD-FORM		Host country and project location have been indicated as Turkey/Canakkale, respectively.	OK	OK

*DR= Document Review, I= Interview

Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
	Ver. 1.1				
1.10. Certification Pathway (Project Certification/Impact Statements & Products Activity Requirements applied: (mark GS4GG if none relevant))	GS-PDD-FORM Ver. 1.1	DR	Stated in PDD as "Project Certification, Pathway 1 - Regular cycle, Renewable Energy – VER Certification"	OK	OK
1.11. Methodologies applied	GS-PDD-FORM Ver. 1.1	DR	Stated as ACM0002, version 20.0	OK	OK
1.12. Product requirements applied	GS-PDD-FORM Ver. 1.1	DR	1 (Energy industries (renewable - / non-renewable sources) Yes, it has been indicated as GS4GG.	OK	OK
1.13. Regular or retroactive	GS-PDD-FORM Ver. 1.1	DR	Stated as regular.	OK	OK
1.14. SDG Impacts	GS-PDD-FORM Ver. 1.1	DR	Stated as 1 – SDG 7 Affordable and Clean Energy 2 –SDG 8 Decent Work and Economic Growth 3 – SDG 13 Climate Action	OK	OK
1.15. Estimated amount of SDG impact certified	GS-PDD-FORM Ver. 1.1	DR	56,755 tCO ₂ e as stated in first submission.	OK	OK
A. Description of Project	This section of the PDD is not reviewed as the project is under validation for renewal of crediting period.				
A.1. Purpose and general description of project	This section of the PDD is not reviewed as the project is under validation for renewal of crediting period.				
A.2. Eligibility of the project under Gold Standard	This section of the PDD is not reviewed as the project is under validation for renewal of crediting period.				
A.3. Legal ownership of products generated by the project					
A.3.1. Is it justified that the project owner has full and uncontested legal ownership of the products that are generated under Gold	GS-PDD-FORM Ver. 1.1	DR	The generation licence is provided and the project is already registered within Gold Standard.	OK	OK

*DR= Document Review, I= Interview

Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
Standard Certification and has legal rights concerning changes in use of resources required to service the Project for e.g water rights, where applicable?					
A.4. Location of the project activity	This section of the PDD is not reviewed as the project is under validation for renewal of crediting period.				
A.5. Technologies and/or measures	This section of the PDD is not reviewed as the project is under validation for renewal of crediting period.				
A.6. Scale of the project	This section of the PDD is not reviewed as the project is under validation for renewal of crediting period.				
A.7. Funding source of project	This section of the PDD is not reviewed as the project is under validation for renewal of crediting period.				
A.8. Assessment that Project Complies with 'Gender Sensitive' Requirements					
A.8.1. Has the evidence been provided that the project concept and design cover the overall societal context from a gender perspective?	GS-PDD-FORM Ver. 1.1	DR	The grid connected wind power plant project is not gender sensitive project and does not adversely impact women or men.	OK	OK
A.8.2. Does the project reflect the key issues and requirements of Gender Sensitive design and implementation as outlined in the Gender Policy?	GS-PDD-FORM Ver. 1.1	DR	N/A	OK	OK
A.8.3. Has it been explained how the project align with existing country policies, strategies and best practices?	GS-PDD-FORM Ver. 1.1	DR	The project does not involve and is not complicit in any form of discrimination based on gender, race, religion, sexual orientation or any other basis.	OK	OK
A.8.4. Has it been explained how the project	GS-PDD-	DR	Yes, such questions and replies are available in the PDD.	OK	OK

*DR= Document Review, I= Interview

Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
address the questions raised in the Gold Standard Safeguarding Principles & Requirements document?	FORM Ver. 1.1				
A.8.5. Does the project apply the Gold Standard Stakeholder Consultation & Engagement Procedure, Requirements & Guidelines?	GS-PDD-FORM Ver. 1.1	DR	Yes, this has been applied but please include the DOE site visit date to PDD pg 8 and 46.	CL-1	OK
B. Application of Selected Approved Gold Standard Methodology					
B.1. Reference of approved methodology					
B.1.1. Are the references including the number, title, and the version of the selected methodology(ies) given in the PDD?	GS-PDD-FORM Ver. 1.1	DR	ACM0002 version 20 has been used, it being the most recent version of the methodology, at the time of PDD submission for validation.	OK	OK
B.1.2. Are the references including the number, title, and the version of any tools and other methodologies to which the selected methodology(ies) refer given in the PDD?	GS-PDD-FORM Ver. 1.1 EB93 Report Annex 4 §53	DR	Tools and versions are correctly stated in PDD as: • Tool to calculate the emission factor for an electricity system, Version 07.0 • Tool for the demonstration and assessment of additionality, Version 07.0.0 • Tool to calculate project or leakage CO2 emissions from fossil fuel combustion, Version 03.0	OK	OK
B.2. Applicability of methodology					
B.2.1. Has the PPs justified the choice of the selected methodology(ies), if applicable, by showing that the project activity meets each applicability condition of the methodology(ies)?	GS-PDD-FORM Ver. 1.1 EB93 Report	DR	All applicability conditions have been discussed in PDD	OK	OK

*DR= Document Review, I= Interview

Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
	Annex 4 §54 EB93 Report Annex 5 §67				
B.2.2. Does the project activity meet each of the applicability conditions of the tools or other methodology components referred to in the applied methodology?	EB93 Report Annex 5 §67	DR	All applicability conditions have been discussed in PDD	OK	OK
B.2.3. Has the PPs explained the documentation that has been used and provided the references to applicability of methodology or included the documentation in Appendix 3 of the PDD?	GS-PDD-FORM Ver. 1.1	DR	Yes	OK	OK
ACM 0002					
B.2.4. Is the type of proposed project activity defined?	ACM 0002 Version 18.0	DR	Yes ,project is stated as Greenfield wind power plant.	OK	OK
B.2.5. If the proposed project activity is a hydro power plant project, does one of the following conditions conform to the proposed project activity?	ACM 0002 Version 18.0	DR	N/A	OK	OK
B.2.5.1. Is the proposed project activity implemented in an existing single or multiple reservoirs, with no change in the volume of any of the reservoirs?	ACM 0002 Version 18.0	DR	N/A	OK	OK
B.2.5.2. Is the project activity implemented in an existing single or multiple reservoirs, where the volume of the reservoir(s) is increased and the power density calculated using equation (3), is greater than 4 W/m2?	ACM 0002 Version 18.0	DR	N/A	OK	OK

*DR= Document Review, I= Interview

Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
B.2.5.3. Is the project activity results in new single or multiple reservoirs and the power density calculated using equation (3), is greater than 4 W/m ² ?	ACM 0002 Version 18.0	DR	N/A	OK	OK
B.2.5.4. If the project activity is an integrated hydro power project, has the PPs demonstrated that water flow from upstream power plants/units spill directly to the downstream reservoir and that collectively constitute to the generation capacity of the integrated hydro power project?	ACM 0002 Version 18.0	DR	N/A	OK	OK
B.2.5.5. If the project activity is an integrated hydro power project, has the PPs provided an analysis of the water balance covering the water fed to power units, with all possible combinations of reservoirs and without the construction of reservoirs?	ACM 0002 Version 18.0	DR	N/A	OK	OK
B.2.6. If the project activity is an integrated hydro power project involving multiple reservoirs, where the power density for any of the reservoirs calculated using equation (3) is lower than or equal to 4 W/m ² , do all the following conditions conform the project activity?	ACM 0002 Version 18.0	DR	N/A	OK	OK
B.2.6.1. The power density calculated using the total installed capacity of the integrated project, as per equation (4), is greater than 4 W/m ² ;	ACM 0002 Version 18.0	DR	N/A	OK	OK
B.2.6.2. Water flow between reservoirs is not used by any other hydropower unit which is not a part of the project activity;	ACM 0002	DR	N/A	OK	OK

*DR= Document Review, I= Interview

Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
	Version 18.0				
B.2.6.3. Installed capacity of the power plant(s) with power density lower than or equal to 4 W/m2 shall be:	ACM 0002 Version 18.0	DR	N/A	OK	OK
B.2.6.3.1. Lower than or equal to 15 MW; and	ACM 0002 Version 18.0	DR	N/A	OK	OK
B.2.6.3.2. Less than 10 per cent of the total installed capacity of integrated hydro power project.	ACM 0002 Version 18.0	DR	N/A	OK	OK
ACM 0001					
B.2.7. Does the project activity include one of the following conditions?	ACM 0001 Version 18.0	DR	N/A	OK	OK
B.2.7.1. Install a new landfill gas (LFG) capture system in an existing or new (Greenfield) SWDS where no LFG capture system was or would have been installed prior to the implementation of the project activity; or	ACM 0001 Version 18.0	DR	N/A	OK	OK
B.2.7.2. Make an investment into an existing LFG capture system to increase the recovery rate or change the use of the captured LFG, provided that:	ACM 0001 Version 18.0	DR	N/A	OK	OK
B.2.7.2.1. The captured LFG was vented or flared and not used prior to the implementation of the project activity; and	ACM 0001 Version 18.0	DR	N/A	OK	OK
B.2.7.2.2. In the case of an existing active LFG capture system for which the amount of LFG cannot	ACM 0001 Version 18.0	DR	N/A	OK	OK

*DR= Document Review, I= Interview

Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
be collected separately from the project system after the implementation of the project activity and its efficiency is not impacted on by the project system: historical data on the amount of LFG capture and flared is available;					
B.2.7.3. Flare the LFG and/or use the captured LFG in any (combination) of the following ways:	ACM 0001 Version 18.0	DR	N/A	OK	OK
B.2.7.3.1. Generating electricity;	ACM 0001 Version 18.0	DR	N/A	OK	OK
B.2.7.3.2. Generating heat in a boiler, air heater or kiln (brick firing only) or glass melting furnace; and/or	ACM 0001 Version 18.0	DR	N/A	OK	OK
B.2.7.3.3. Supplying the LFG to consumers through a natural gas distribution network;	ACM 0001 Version 18.0	DR	N/A	OK	OK
B.2.7.3.4. Supplying compressed/liquefied LFG to consumers using trucks;	ACM 0001 Version 18.0	DR	N/A	OK	OK
B.2.7.3.5. Supplying the LFG to consumers through a dedicated pipeline;	ACM 0001 Version 18.0	DR	N/A	OK	OK
B.2.7.4. Do not reduce the amount of organic waste that would be recycled in the absence of the project activity.	ACM 0001 Version 18.0	DR	N/A	OK	OK
AM0058					
B.2.8. Is this a project activity that introduce a primary	AM0058	DR	N/A	OK	OK

*DR= Document Review, I= Interview

Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
district heating system to supply heat to residential and commercial consumers?	Version 5.0				
B.2.9. If this is a project activity that introduce a primary district heating system to supply heat to residential and commercial consumers, does the heat come from one of the following?	AM0058 Version 5.0	DR	N/A	OK	OK
B.2.9.1. An existing grid connected thermal power plant with no steam extraction for heating purposes, other than that required for the operation of the power plant auxiliary systems, prior to the project activity;	AM0058 Version 5.0	DR	N/A	OK	OK
B.2.9.2. A new centralised heat only boiler(s); or	AM0058 Version 5.0	DR	N/A	OK	OK
B.2.9.3. A combination of both B.2.8.1 and B.2.8.2	AM0058 Version 5.0	DR	N/A	OK	OK
B.2.10. Does the project activity include any of below components?	AM0058 Version 5.0	DR	N/A	OK	OK
B.2.10.1.Heat supplied to the district heating system is predominantly used for heating and/or hot tap water supply for residential and/or commercial users. At the most 20 per cent of the heat may be supplied to other users, such as for industrial production processes;	AM0058 Version 5.0	DR	N/A	OK	OK
B.2.10.2.For project activities in which a co-generation plant supplies heat to the district heating system:	AM0058 Version 5.0	DR	N/A	OK	OK
B.2.10.2.1. The power plant is fossil fuel fired;	AM0058 Version 5.0	DR	N/A	OK	OK

*DR= Document Review, I= Interview

Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
B.2.10.2.2. Only one type of fuel is used by the project's co-generation plant (a maximum of 1 per cent of auxiliary fuel may be used for start-up.). The same type of fossil fuel is fired in the power plant in the baseline and project scenarios;	AM0058 Version 5.0	DR	N/A	OK	OK
B.2.10.2.3. The project activity does not lead to an increase in the technical lifetime of the power plant and does not result in any major integrated production changes at the power plant, other than the modifications required for heat extraction for the district heating.	AM0058 Version 5.0	DR	N/A	OK	OK
B.2.10.3. Emission reductions resulting from heat supply to new residential areas, in cases where more than 50% of the annual heat production originates from heat-only boilers and less than 50% of heat comes from the power plant within the primary district heating system;	AM0058 Version 5.0	DR	N/A	OK	OK
B.2.10.4. Emission reductions resulting from a decrease in heat losses due to the water losses or from demand-side measures (e.g. insulation of buildings, use of thermostatic valves, behavioural changes due to billing practices).	AM0058 Version 5.0	DR	N/A	OK	OK
AMS-I.D.					
B.2.11. Does the proposed project activity comprises renewable energy units such as	AMS I.D.	DR	N/A	OK	OK

*DR= Document Review, I= Interview

Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
photovoltaic, hydro, tidal/wave, wind, geothermal and renewable biomass, supplying one of the following?	Version 18.0 §2 §4 §7				
B.2.11.1.Electricity to a national or a regional grid, or	AMS I.D. Version 18.0 §2 §4 §7	DR	N/A	OK	OK
B.2.11.2.Electricity to an identified consumer facility via national/regional grid through a contractual arrangement such as wheeling?	AMS I.D. Version 18.0 §2 §4 §7	DR	N/A	OK	OK
B.2.11.3.Does the new unit (proposed project activity) have both renewable and non-renewable components?	AMS I.D. Version 18.0 §6 §11	DR	N/A	OK	OK
B.2.12. Does the new unit co-fires fossil fuel?	AMS I.D. Version 18.0 §7	DR	N/A	OK	OK
B.2.13. Does the proposed project activity involve the addition of renewable energy generation units at an existing renewable power generation facility?	AMS I.D. Version 18.0 §8	DR	N/A	OK	OK
B.2.14. Is the project activity a retrofit, rehabilitation or a replacement?	AMS I.D. Version 18.0 §9	DR	N/A	OK	OK
B.2.15. If the proposed project activity is a hydro power plant project, does one of the following conditions conform to the proposed project activity?	AMS I.D. Version 18.0 §5	DR	N/A	OK	OK
B.2.15.1.Is the proposed project activity implemented in an existing reservoir, with no	AMS I.D. Version 18.0	DR	N/A	OK	OK

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Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
change in the volume of reservoir?	§5				
B.2.15.2. Is the project activity implemented in an existing reservoir, where the volume of reservoir is increased and the power density of the project activity, as per the definitions given in the project emissions section, is greater than 4 W/m ² ?	AMS I.D. Version 18.0 §5	DR	N/A	OK	OK
B.2.15.3. Is the project activity results in new reservoirs and the power density of the power plant, as per the definitions given in the project emissions section, is greater than 4 W/m ² ?	AMS I.D. Version 18.0 §5	DR	N/A	OK	OK
B.3. Project boundary					
B.3.1. Has the PP described the emission sources and GHGs included in the project boundary for the purpose of calculating project emissions and baseline emissions, in the tabular format?	GS-PDD-FORM Ver. 1.1	DR	Tabular format is used to present emission types.	OK	OK
B.3.2. Has the PP presented a flow diagram of the project boundary, physically delineating the project activity, based on the description provided in section A.3 of the PDD?	GS-PDD-FORM Ver. 1.1	DR	Yes, flow diagram is presented in PDD.	OK	OK
B.3.3. Has the PP included in the flow diagram the equipment, systems and flows of mass and energy described in section A.3 of the PDD, and indicated in the diagram the emission sources and GHGs included in the project boundary and the data and parameters to be monitored?	GS-PDD-FORM Ver. 1.1	DR	Yes, flow diagram includes the emissions and general flow.	OK	OK
B.3.4. Does the selected methodology allow the PPs to choose whether a source or gas is to be included in the project boundary?	EB93 Report Annex 4 §57	DR	Yes	OK	OK

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Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
B.3.5. If the selected methodology allows the project participants to choose whether a source or gas is to be included in the project boundary, do the project participants explain and justify their choices?	EB93 Report Annex 4 §57	DR	Yes, selections are explained.	OK	OK
B.3.6. Have all sources and GHGs necessary for the calculation of emissions been included within the project boundary?	EB93 Report Annex 5 §69	DR	Yes, relevant gases are included.	OK	OK
B.3.7. Does the PDD correctly describe the project boundary and the physical delineation of the proposed CDM project activity?	EB93 Report Annex 4 §56	DR	Yes, project boundary and delineation is correctly described.	OK	OK
B.3.8. Has the selected methodology been correctly applied with respect to project boundary?	EB93 Report Annex 5 §63a	DR	Yes, boundary is correctly applied as per ACM0002	OK	OK
ACM 0002					
B.3.9. Is the spatial extent of the project boundary identified correctly?	ACM 0002 Version 18.0	DR	Yes, boundary is correctly applied as per ACM0002	OK	OK
B.3.10. Are the greenhouse gases and emission sources included in or excluded from the project boundary given in the tabular form as per the guidance given in Table-2 of ACM 0002?	ACM 0002 Version 18.0	DR	Tabular format is used to present emission types.	OK	OK
ACM 0001					
B.3.11. Does the project boundary include the following as applicable? B.3.11.1. Sites where the LFG is flared or used (e.g. flare, power plant, boiler, air heater, glass melting furnace, kiln, natural gas distribution network, dedicated pipeline or biogas processing facility);	ACM 0001 Version 18.0	DR	N/A	OK	OK
B.3.11.2. Captive power plant(s) (including	ACM 0001	DR	N/A	OK	OK

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Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
emergency diesel generators) or power generation sources connected to the grid, which are supplying electricity to the project activity;	Version 18.0				
B.3.11.3.Captive power plant(s) (including emergency diesel generators) or power generation sources connected to the grid, which are supplying electricity in the baseline that is displaced by electricity generated by captured LFG in the project activity;	ACM 0001 Version 18.0	DR	N/A	OK	OK
B.3.11.4.Heat generation equipment or sources which are supplying heat in the baseline that is displaced by heat generated by captured LFG in the project activity; and	ACM 0001 Version 18.0	DR	N/A	OK	OK
B.3.11.5.The transportation of the compressed/liquefied LFG from the biogas processing facility to consumers.	ACM 0001 Version 18.0	DR	N/A	OK	OK
AM0058					
B.3.12. Does the physical delineation of the project boundary include the following?	AM0058 Version 5.0	DR	N/A	OK	OK
B.3.12.1.For project activities in which a power plant supplies heat to the district heating network, the site of the power plant, including the heat extraction unit(s) and all interrelated production units to account for emissions resulting from changes in power generation and consumption due to the project activity;	AM0058 Version 5.0	DR	N/A	OK	OK
B.3.12.2.The heat-only boilers that supply heat to the district heating system;	AM0058 Version 5.0	DR	N/A	OK	OK
B.3.12.3.The district heating system, including pipes, sub-stations and buildings that are or	AM0058	DR	N/A	OK	OK

*DR= Document Review, I= Interview

Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
will be connected to the district heating system.	Version 5.0				
B.3.13. Has it been illustrated by PP how the project boundary is defined and where the points to measure heat supplied to buildings (Qe and Qn) should be located in line with the Figure-1 in AM0058?	AM0058 Version 5.0	DR	N/A	OK	OK
B.3.14. Are the emissions sources included in or excluded from the project boundary indicated in the PDD in line with the Table-2 of the methodology?	AM0058 Version 5.0	DR	N/A	OK	OK
AMS-I.D.					
B.3.15. Is the spatial extent of the project boundary identified correctly?	AMS I.D. Version 18.0 §18	DR	N/A	OK	OK
B.4. Establishment and description of the baseline scenario					
B.4.1. Does the approved methodology that is selected by the proposed GS project prescribe the baseline scenario and hence no further analysis is required	EB93 Report Annex 5 §94 EB93 Report Annex 4 §48 §49	DR	According to ACM0002 (Version 20), if the project activity is the installation of a new grid-connected renewable power plant, the baseline scenario is the electricity delivered to the grid by the project activity that otherwise would have been generated by the operation of grid-connected power plants and by the addition of new generation sources. This is clearly stated in PDD but please make use of “Tool to assess the validity of the original/current baseline and to update the baseline at the renewal of a crediting period” and please state in PDD.	CL-9	OK
B.4.2. Does the PDD identify the baseline for the proposed GS project, defined as the scenario	EB93 Report	DR	Please see above.	OK	OK

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Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
that reasonably represents the anthropogenic emissions by sources of GHGs that would occur in the absence of the proposed GS project?	Annex 5 §75 EB93 Report Annex 4 §60				
B.4.3. If the methodology requires use of the tools to identify the baseline scenario, have all those been applied?	EB93 Report Annex 5 §77	DR	Yes	OK	OK
B.4.4. Are there relevant national and/or sectoral policies to identify the baseline scenario?	EB93 Report Annex 5 §81 EB93 Report Annex 4 §63	DR	N/A	OK	OK
B.4.5. If there are relevant national and/or sectoral policies to identify the baseline scenario, have those been considered correctly in the PDD?	EB93 Report Annex 5 §83d	DR	N/A	OK	OK
B.4.6. Are there relevant circumstances to identify the baseline scenario?	EB93 Report Annex 5 §81	DR	N/A	OK	OK
B.4.7. Does the methodology require several alternative scenarios to be considered in the identification of the most reasonable baseline scenario?	EB93 Report Annex 5 §78	DR	N/A	OK	OK
B.4.8. If the methodology requires several alternative scenarios to be considered in the identification of the most reasonable baseline scenario, are all credible scenarios that are in the PDD and are supplementary to those required by the methodology reasonable in the context of the proposed GS project?	EB93 Report Annex 5 §78	DR	N/A	OK	OK

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Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
B.4.9. If the proposed project activity includes several different facilities, technologies, outputs or services, do the alternative scenarios for each of them be identified separately?	EB70 Report Annex 8	DR	N/A	OK	OK
B.4.10. If the alternative scenarios for each of them be identified separately, are the realistic combinations of these be considered as possible alternative scenarios to the proposed project activity?	EB70 Report Annex 8	DR	N/A	OK	OK
B.4.11. Does the list of alternative scenarios given in the PDD include the following?	EB93 Report Annex 5 §93	DR	N/A	OK	OK
B.4.11.1.The project activity is undertaken without being registered as a GS project	EB93 Report Annex 5 §93a	DR	N/A	OK	OK
B.4.11.2.All plausible alternatives	EB93 Report Annex 5 §93b	DR	N/A	OK	OK
B.4.11.3.Comply with all applicable and enforced legislation	EB93 Report Annex 5 §93c	DR	N/A	OK	OK
B.4.12. Has the PP explained how the baseline scenario is established in accordance with the selected methodology(ies)?	GS-PDD-FORM Ver. 1.1 EB93 Report Annex 4 §62	DR	Yes	OK	OK
B.4.13. Where the procedure in the selected methodology(ies) involves several steps, has the PPs described how each step is applied and transparently documented the outcome of each step?	GS-PDD-FORM Ver. 1.1	DR	N/A	OK	OK

*DR= Document Review, I= Interview

Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
B.4.14. Has the PP provided and explained all data used to establish the baseline scenario (variables, parameters, data sources, etc.)?	GS-PDD-FORM Ver. 1.1	DR	N/A	OK	OK
B.4.15. Is the identified baseline scenario reasonably supported by correct and verifiable references, assumptions, calculations and rationales?	GS-PDD-FORM Ver. 1.1 EB93 Report Annex 5 §79	DR	N/A	OK	OK
B.4.16. Has a transparent description of the baseline scenario been provided including the technology(ies) that would be employed and/or the activities that would take place in the absence of the project activity?	CDM-PDD-FORM version 8.0 EB93 Report Annex 5 §80	DR	N/A	OK	OK
B.4.17. Has the selected methodology been correctly applied with respect to baseline identification?	EB93 Report Annex 5 §63b	DR	Yes	OK	OK
ACM 0002					
B.4.18. If the project activity involves the installation of a greenfield power plant, is the baseline scenario identified appropriately in accordance with the ACM 0002?	ACM 0002 Version 18.0	DR	According to ACM0002 (Version 20), if the project activity is the installation of a new grid-connected renewable power plant, the baseline scenario is the electricity delivered to the grid by the project activity that otherwise would have been generated by the operation of grid-connected power plants and by the addition of new generation sources. This is clearly stated in PDD.	OK	OK
B.4.19. If the project activity involves capacity addition to existing grid-connected renewable power plant/unit, is the baseline scenario identified appropriately in accordance with the ACM0002?	ACM 0002 Version 18.0	DR	N/A	OK	OK

*DR= Document Review, I= Interview

Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
B.4.20. If the proposed project activity is a capacity addition, retrofit, rehabilitation or replacement, have the existing plant/unit started commercial operation prior to the start of a minimum historical reference period of five years, used for the calculation of baseline emissions and defined in the baseline emission section, and no capacity expansion, retrofit or rehabilitation of the plant has been undertaken between the start of this minimum historical reference period and the implementation of the project activity?	ACM 0002 Version 18.0	DR	N/A	OK	OK
B.4.21. If the project activity is the retrofit or replacement of existing grid-connected renewable power plant/unit, is the point of time at which the generation facility would likely be replaced or retrofitted (DATE _{Baseline} Retrofit) defined?	ACM 0002 Version 18.0	DR	N/A	OK	OK
B.4.22. If the project activity is the retrofit or replacement of existing grid-connected renewable power plant/unit, is the baseline scenario identified following the step-wise procedure in accordance with the ACM0002?	ACM 0002 Version 18.0	DR	N/A	OK	OK
B.4.23. Are the realistic and credible alternative baseline scenarios for power generation appropriately identified following the Step 1 of the "Combined tool to identify the baseline scenario and demonstrate additionality"?	ACM 0002 Version 18.0	DR	N/A	OK	OK
B.4.24. Is "the proposed project activity undertaken without being registered as a CDM project activity" listed as one of the alternatives?	EB70 Report Annex 8 EB93 Report Annex 5 §93a	DR	N/A	OK	OK

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Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
	ACM 0002 Version 18.0				
B.4.25. Has “other realistic and credible alternative scenario(s) to the proposed CDM project activity scenario that deliver outputs services or services with comparable quality, properties and application areas” been listed as an alternative?	EB70 Report Annex 8 EB93 Report Annex 5 §93b ACM 0002 Version 18.0	DR	N/A	OK	OK
B.4.26. Has “continuation of the current situation (no project activity or other alternatives undertaken” been listed as an alternative?	EB70 Report Annex 8 ACM 0002 Version 18.0	DR	N/A	OK	OK
B.4.27. If the barrier analysis is used, is the Step 2 of the latest applicable version of “Combined tool to identify the baseline scenario and demonstrate additionality” applied appropriately?	ACM 0002 Version 18.0	DR	N/A	OK	OK
B.4.28. If more than one alternative is remaining after Step 2 and if the remaining alternatives include scenarios P1 and P3, is the Investment Comparison as per step 3 of the “Combined tool to identify the baseline scenario and demonstrate additionality” applied appropriately?	ACM 0002 Version 18.0	DR	N/A	OK	OK
B.4.29. If more than one alternative is remaining after Step 2 and if the remaining alternatives include scenarios P1 and P2, is the Benchmark Analysis as per step 2b of the “Tool for the demonstration and assessment of additionality” applied appropriately?	ACM 0002 Version 18.0	DR	N/A	OK	OK
ACM 0001					

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Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
c) Has the the most plausible baseline scenario been determined according to the simplified procedures or the procedures according to the latest applicable version of the “Combined tool to identify the baseline scenario and demonstrate additionality”?	ACM 0001 Version 18.0	DR	N/A	OK	OK
AM0058					
B.4.30. Is the most plausible baseline scenario “no implementation of primary district heating system (continuation of current practice)”?	AM0058 Version 5.0	DR	N/A	OK	OK
AMS I.D.					
B.4.31. If the project activity is greenfield power plant, is the baseline scenario identified as “the electricity delivered to the grid by the project activity would have otherwise been generated by the operation of grid-connected power plants and by the addition of new generation sources into the grid?”	AMS I.D. Version 18.0 §19	DR	N/A	OK	OK
B.4.32. If the project activity involves retrofits, rehabilitations or replacements of an existing facility, is baseline scenario identified appropriately in accordance with AMS I.D.?	AMS I.D. Version 18.0 §20	DR	N/A	OK	OK
B.4.33. Have the PPs demonstrated the remaining lifetime of the equipment replaced according to the requirements described in the general guidelines to SSC CDM methodologies?	AMS I.D. Version 18.0 §21	DR	N/A	OK	OK
B.4.34. If the project activity involves capacity addition to existing grid-connected renewable	AMS I.D. Version 18.0	DR	N/A	OK	OK

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Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
energy power plant/unit,, is baseline scenario identified appropriately in accordance with AMS I.D.?	§21				
B.4.35. Have the PPs explained and documented the quantities and types of biomass and the biomass to fossil fuel ratio (in case of co-fired system) to be used during the crediting period in the PDD?	AMS I.D. Version 18.0 §44	DR	N/A	OK	OK
B.5. Demonstration of additionality	This section of the PDD is not reviewed as the project is under validation for renewal of crediting period.				
		DR	Please state in the PDD section B5 that additionality has been evaluated in first validation and that the information is repeated in this PDD and no new additionality assessment is done.	CL-2	OK
		DR	Please provide VER purchase agreements as evidence to “VERs give support to the ongoing financial sustainability of the project”	CL-8	OK
B.6. Sustainable Development Goals (SDG) outcomes					
B.6.1. Relevant target for each of the three SDGs					
B.6.1.1. Has the PPs specified the relevant SDG target for each of three SDGs addressed by the project?	GS-PDD-FORM Ver. 1.1	DR	Project refers to - SDG 7 - Affordable and Clean Energy:91,570 MWh of clean energy expected to be generated annually. - SDG 8 - Decent Work and Economic Growth : The project provides employment opportunities to 3 people - SDG 13 - Climate Action :The project would realize emission reduction of is 56,755 tonnes of CO2eq approximately	OK	OK

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Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
			All approved by DOE		
B.6.2. Explanation of methodological choices/approaches for estimating the SDG outcome					
B.6.2.1. Has the PPs explained how the methods or methodological steps in the selected methodology(ies), for calculating baseline and project outcomes are applied?	GS-PDD-FORM Ver. 1.1	DR	Please see below	OK	OK
B.6.2.1.1. Baseline	GS-PDD-FORM Ver. 1.1	DR	Baseline is fossil fuel based grid for SDG 7 - Affordable and Clean Energy and SDG 13 - Climate Action. Regular employment conditions is baseline for SDG 8 - Decent Work and Economic Growth	OK	OK
B.6.2.1.2. Project	GS-PDD-FORM Ver. 1.1	DR	The project is expected to generated 91,570 MWh annually grid for SDG 7 - Affordable and Clean Energy and SDG 13 - Climate Action For SDG 8 - Decent Work and Economic Growth : The project provides employment opportunities to 3 people	OK	OK
B.6.2.1.3. Leakage	GS-PDD-FORM Ver. 1.1	DR	No leakage in the project	OK	OK
B.6.2.1.4. Net benefit	GS-PDD-FORM Ver. 1.1	DR	a) In PDD ER value is stated as 29,948 tonnes of CO2eq. Please correct. b) The project is expected to generated 91,570 MWh annually grid for SDG 7 - Affordable and Clean Energy and SDG 13 - Climate Action for SDG 8 - Decent Work and Economic Growth : The project provides employment opportunities to 3 people but please provide GWO training certificate or training plan for Ersin Kaymak.	CAR-1 CL-6	OK

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Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
			c) Please provide the justification for the data/parameters planned not to be monitored during the second crediting period along with the relevant evidence documents.		
B.6.2.2. Has the PPs clearly stated which equations will be used in calculating net benefit?	GS-PDD-FORM Ver. 1.1	DR	Calculations for ER are presented clearly	OK	OK
B.6.2.3. Has the PPs explained and justified all relevant methodological choices including the following?	GS-PDD-FORM Ver. 1.1 EB93 Report Annex 4 §57	DR	N/A	OK	OK
B.6.2.3.1. Where the methodology(ies) include different scenarios or cases, indicate and justify which scenario or case applies to the project activity	GS-PDD-FORM Ver. 1.1 EB93 Report Annex 4 §57	DR	N/A	OK	OK
B.6.2.3.2. Where the methodology(ies) provide different options to choose from , indicate and justify which option is chosen for the project activity	GS-PDD-FORM Ver. 1.1 EB93 Report Annex 4 §57	DR	N/A	OK	OK
B.6.2.3.3. Where the methodology(ies) allow different default values, indicate and justify which of the default values have been chosen for the project activity.	GS-PDD-FORM Ver. 1.1	DR	N/A	OK	OK

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Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
B.6.3. Data and parameters fixed ex ante for monitoring contribution to each of the three SDGs					
B.6.3.1. Have the PPs included a compilation of information on the data and parameters that are not monitored during the crediting period but are determined before the registration and remain fixed throughout the crediting period under section B.6.3 of the PDD?	GS-PDD-FORM Ver. 1.1	DR	Turkish grid emission factor has been used as CM and it is provided with correct reference but please also add OM and BM to excel file and please include the reference link in the same.	CL-10	OK
B.6.3.2. Are the data that are calculated with the equations provided in the selected methodology(ies) or default values specified in the methodology(ies) included in the compilation?	GS-PDD-FORM Ver. 1.1	DR	N/a	OK	OK
B.6.3.3. Are the following information regarding the data and parameters specified correctly?	GS-PDD-FORM Ver. 1.1	DR		OK	OK
B.6.3.3.1. Relevant SDG indicator	GS-PDD-FORM Ver. 1.1	DR	Stated as 13.3.2 Number of countries that have communicated the strengthening of institutional, systemic and individual capacity-building to implement adaptation, mitigation and technology transfer, and development actions	OK	OK
B.6.3.3.2. Data/parameter	GS-PDD-FORM Ver. 1.1	DR	Stated as EFgrid,CM,y	OK	OK
B.6.3.3.3. Data/parameter unit	GS-PDD-FORM	DR	Stated as tCO2/MWh	OK	OK

*DR= Document Review, I= Interview

Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
	Ver. 1.1				
B.6.3.3.4. Description of the data/parameter	GS-PDD-FORM Ver. 1.1	DR	Stated as Emission factor of the Turkish grid determined ex-ante. It's been published by the Ministry of Energy for 2018.	OK	OK
B.6.3.3.5. Source of data	GS-PDD-FORM Ver. 1.1	DR	Stated as https://enerjiapi.etkb.gov.tr/Media/Dizin/ETKB/Duyurular//0c6b62ea-bf2f-4fea-b9b3-28bc6f48ddf2_Bilgi_Formu_-_Web_Sitesi.pdf	OK	OK
B.6.3.3.6. Values applied to data/parameter	GS-PDD-FORM Ver. 1.1	DR	Stated as 0.6198	OK	OK
B.6.3.4. Where applied values have been measured, are the following included in the PDD?	GS-PDD-FORM Ver. 1.1	DR	N/A	OK	OK
B.6.3.4.1. The equipment used	GS-PDD-FORM Ver. 1.1	DR	N/A	OK	OK
B.6.3.4.2. The standards used	GS-PDD-FORM Ver. 1.1	DR	N/A	OK	OK
B.6.3.4.3. Responsible person/entity having undertaken the measurement	GS-PDD-FORM Ver. 1.1	DR	N/A	OK	OK
B.6.3.4.4. The date of measurement(s)	GS-PDD-FORM Ver. 1.1	DR	N/A	OK	OK
B.6.3.4.5. The frequency of measurement(s)	GS-PDD-FORM	DR	N/A	OK	OK

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Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
	Ver. 1.1				
B.6.3.4.6. The measurement results	GS-PDD-FORM Ver. 1.1	DR	N/A	OK	OK
B.6.3.5. Has the purpose of data been chosen as one of the following for each data/parameter?	GS-PDD-FORM Ver. 1.1	DR	Please see in below.	OK	OK
B.6.3.5.1. Calculation of baseline;	GS-PDD-FORM Ver. 1.1	DR	Stated as “Calculation of the baseline emissions-to demonstrate contribution to SDG Target 13.3.: Improve education, awareness-raising and human and institutional capacity on climate change mitigation, adaptation, impact reduction and early warning” but please provide SGK employment records (showing the date of the day they have been employed) for 3 plant personnel and also subcontractor personnel. Please provide transfer records for Hazardous waste (oil etc), municipal waste and waste water also for 2020 (provided for 2019)	CL-4 CL-5	OK
B.6.3.5.2. Calculation of project;	GS-PDD-FORM Ver. 1.1	DR	N/A	OK	OK
B.6.3.5.3. Calculation of leakage.	GS-PDD-FORM Ver. 1.1	DR	N/A	OK	OK
B.6.4. Ex ante estimation of outcomes linked to each of the three SDGs					
B.6.4.1. Do the steps taken and equations applied to calculate following comply with the requirements of the selected baseline and monitoring methodology including applicable tool(s)?	EB93 Report Annex 4 §70 EB93 Report	DR	Yes	OK	OK

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Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
	Annex 5 §110				
B.6.4.1.1. project outcome	EB93 Report Annex 4 §70 EB93 Report Annex 5 §110	DR	Yes	OK	OK
B.6.4.1.2. baseline outcome	EB93 Report Annex 4 §70 EB93 Report Annex 5 §110	DR	Yes	OK	OK
B.6.4.1.3. leakage	EB93 Report Annex 4 §70 EB93 Report Annex 5 §110	DR	N/A	OK	OK
B.6.4.1.4. Net outcomes	EB93 Report Annex 4 §70 EB93 Report Annex 5 §110	DR	Yes	OK	OK
B.6.4.2. Where the methodology allows for selection between options for equations or parameters, has adequate justification been provided in the PDD?	EB93 Report Annex 5 §111	DR	N/A	OK	OK
B.6.4.3. Has the PPs used the values contained in the tables in section B.6.2 of the PDD for	GS-PDD-FORM	DR	Yes	OK	OK

*DR= Document Review, I= Interview

Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
data and parameters available before registration?	Ver. 1.1				
B.6.4.4. Has the PPs used the estimates contained in the table in section B.6 of the PDD for the data/parameters not available before registration and monitored during the crediting period?	GS-PDD-FORM Ver. 1.1	DR	N/A	OK	OK
B.6.4.5. If any of these estimates has been determined by a sampling approach, has the PP provided a description of the sampling efforts undertaken in accordance with the “Standard for sampling and surveys for CDM project activities and programme of activities”?	GS-PDD-FORM Ver. 1.1 EB93 Report Annex 4 §74	DR	N/A	OK	OK
B.6.4.6. Has the PPs provided a sample calculation for each equation used?	GS-PDD-FORM Ver. 1.1	DR	N/A	OK	OK
B.6.4.7. Have the PPs provided a sample calculation for each equation used, substituting the values used in the equations?	GS-PDD-FORM Ver. 1.1	DR	N/A	OK	OK
B.6.4.8. Is it explained and clearly stated how the procedures in the approved methodology or standardized baseline(s) to calculate emissions like project emissions, baseline emissions and leakages are applied by the PPs?	EB93 Report Annex 5 §112	DR	Yes	OK	OK
B.6.4.9. Has the selected methodology or standardized baseline(s) been correctly and transparently applied with respect to algorithms and/or formulae used to determine emission reductions?	EB93 Report Annex 4 §63c	DR	Yes	OK	OK
AMS I.D.					

*DR= Document Review, I= Interview

Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
B.6.4.10.Are baseline emissions calculated using equation (1) given in the methodology?	AMS I.D. Version 18.0 §22	DR	N/A	OK	OK
B.6.4.11.Is the emission factor calculated using one of the following options:	AMS I.D. Version 18.0 §23	DR	N/A	OK	OK
B.6.4.11.1. A combined margin (CM), consisting of the combination of operating margin (OM) and build margin (BM) according to the procedures prescribed in the "Tool to calculate the Emission Factor for an electricity system	AMS I.D. Version 18.0 §23	DR	N/A	OK	OK
B.6.4.11.2. The weighted average emissions (in t CO ₂ /MWh) of the current generation mix.	AMS I.D. Version 18.0 §23	DR	N/A	OK	OK
B.6.4.12. Have the calculations been based on data from an official source (where available) and made publicly available?	AMS I.D. Version 18.0 §24	DR	N/A	OK	OK
B.6.4.13.In case of green field power plant, is the generated electricity as a result of project activity calculated using equation (2) given in the methodology?	AMS I.D. Version 18.0 §26	DR	N/A	OK	OK
B.6.4.14.In case of capacity addition in wind, solar, wave or tidal power plants, are the baseline emissions calculated using equation (3) given in the methodology?	AMS I.D. Version 18.0 §27	DR	N/A	OK	OK
B.6.4.15.In case of capacity addition in hydro or geothermal power plants, have the requirements defined in Section 5.5.1.3 of the methodology been followed?	AMS I.D. Version 18.0 §28	DR	N/A	OK	OK

*DR= Document Review, I= Interview

Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
B.6.4.16. In case of capacity addition to biomass power plants, are the baseline emissions calculated using equations (4) and (5) given in the methodology?	AMS I.D. Version 18.0 §29 §30	DR	N/A	OK	OK
B.6.4.17. In case of retrofit, rehabilitation or replacement in hydro, solar, wind, geothermal, wave and tidal plants, are the baseline emissions calculated using equation (6) given in the methodology?	AMS I.D. Version 18.0 §31	DR	N/A	OK	OK
B.6.4.18. In case of retrofit, rehabilitation or replacement in biomass plants, are the baseline emissions calculated using equations (7) and (8) given in the methodology?	AMS I.D. Version 18.0 §32	DR	N/A	OK	OK
B.6.4.19. In case of retrofit, rehabilitation or replacement, have the PPs used among the following two time spans of historical data to determine EGHistorical?	AMS I.D. Version 18.0 §33 §35 §36	DR	N/A	OK	OK
B.6.4.19.1. The three last calendar years (five calendar years for hydro project) prior to the implementation of the project activity	AMS I.D. Version 18.0 §35	DR	N/A	OK	OK
B.6.4.19.2. The time period from the calendar year following <i>DATE_{hist}</i> , up to the last calendar year prior to the implementation of the project, as long as this time span includes at least three calendar years (five calendar years for hydro project), where <i>DATE_{hist}</i> is latest point in time between:	AMS I.D. Version 18.0 §35	DR	N/A	OK	OK

*DR= Document Review, I= Interview

Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
B.6.4.19.3. The commercial commissioning of the plant/unit;	AMS I.D. Version 18.0 §35	DR	N/A	OK	OK
B.6.4.19.4. If applicable: the last capacity addition to the plant/unit; or	AMS I.D. Version 18.0 §35	DR	N/A	OK	OK
B.6.4.19.5. If applicable: the last retrofit of the plant/unit	AMS I.D. Version 18.0 §35	DR	N/A	OK	OK
B.6.4.20. In case of retrofit, rehabilitation or replacement, have PPs followed the latest applicable version of “Tool to determine the remaining lifetime of equipment” to estimate DATEBaselineRetrofit? DATEBaselineRetrofit is the point in time when the existing equipment would need to be replaced/retrofitted in the absence of the project activity. The point in time when the existing equipment would need to be replaced/retrofitted in the absence of the project activity should be chosen in a conservative manner that is, if a range is identified, the earliest date should be chosen.	AMS I.D. Version 18.0 §37 §38	DR	N/A	OK	OK
B.6.4.21. Where the project emissions are taken as “0” have the PPs made proper justification?	AMS I.D. Version 18.0 §39	DR	N/A	OK	OK
B.6.4.22. If the proposed project activity is a geothermal power plant or a hydropower plant, have the project emissions been considered following the procedure described in most recent version of ACM0002?	AMS I.D. Version 18.0 §39	DR	N/A	OK	OK
B.6.4.23. If necessary, have the PPs calculated the CO2 emissions from on-site consumption of fossil fuels due to the project activity using the latest applicable version of the “Tool to calculate project or leakage CO2 emissions	AMS I.D. Version 18.0 §40	DR	N/A	OK	OK

*DR= Document Review, I= Interview

Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
from fossil fuel combustion?					
B.6.4.24. In case biomass is sourced from dedicated plantations, have the procedures in the tool "Project emissions from cultivation of biomass" been followed to calculate project emissions?	AMS I.D. Version 18.0 §41	DR	N/A	OK	OK
B.6.4.25. Has the general guidance on leakage in biomass project activities been followed to quantify leakages pertaining to the use of biomass residues?	AMS I.D. Version 18.0 §42	DR	N/A	OK	OK
B.6.4.26. Are the emission reductions calculated using equation (9) given in the methodology?	AMS I.D. Version 18.0 §43	DR	N/A	OK	OK
ACM 0002					
B.6.4.27. Are baseline emissions calculated using equation (11) given in the methodology?	ACM 0002 Version 18.0	DR	Yes, equation 11 is used.	OK	OK
B.6.4.28. Is the 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 ($EG_{PJ,y}$) calculated using equations (12), (13), (14), (15) or (16) given in the methodology depending on the project type and relevant requirements?	ACM 0002 Version 18.0	DR	Yes, equation 12 is used.	OK	OK
B.6.4.29. When the methodology offers options for approaches in calculations, is it documented in the PDD which option is applied?	ACM 0002 Version 18.0	DR	N/A	OK	OK
B.6.4.30. In the case of retrofits or replacements, has the point in time when the existing equipment would need to be	ACM 0002 Version 18.0	DR	N/A	OK	OK

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Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
replaced/retrofitted in the absence of the project chosen in a conservative manner?					
B.6.4.31. In the case of capacity additions, retrofits, rehabilitations or replacements (except for wind, solar, wave or tidal power capacity addition projects)	ACM 0002 Version 18.0	DR	N/A	OK	OK
B.6.4.31.1. Is it ensured that the existing plant started commercial operation prior to the start of a minimum historical reference period of five years, used for the calculation of baseline emissions?	ACM 0002 Version 18.0	DR	N/A	OK	OK
B.6.4.31.2. Is it defined in the baseline emission section that no capacity addition, retrofit or rehabilitation of the plant has been undertaken between the start of this minimum historical reference period and the implementation of the project activity?	ACM 0002 Version 18.0	DR	N/A	OK	OK
B.6.4.32. Are the project emissions calculated properly using equations (1), (2), (3), (4), (5), (6), (7), (8), (9) or (10) given in the methodology depending on the project type and the power density value?	ACM 0002 Version 18.0	DR	N/A	OK	OK
B.6.4.33. Where project emissions are taken as "0", has the PP made proper justification?	ACM 0002 Version 18.0	DR	N/A	OK	OK
B.6.4.34. Are the emission reductions calculated using equation (17) given in the methodology?	ACM 0002 Version 18.0	DR	Yes, equation 17 is used.	OK	OK
ACM 0001					

*DR= Document Review, I= Interview

Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
B.6.4.35.Are the baseline emissions calculated using relevant equations from equation (1) to equation (21) in the methodology?	ACM 0001 Version 18.0	DR	N/A	OK	OK
B.6.4.36.Are the project emissions calculated using relevant equations from equation (22) to equation (25) in the methodology?	ACM 0001 Version 18.0	DR	N/A	OK	OK
B.6.4.37.Are the emission reductions calculated using equation (26) in the methodology?	ACM 0001 Version 18.0	DR	N/A	OK	OK
AM0058					
B.6.4.38.Are the baseline emissions calculated using equation (1) in the methodology?	AM0058 Version 5.0	DR	N/A	OK	OK
B.6.4.39.Are the baseline emissions from heat generation calculated using equation (2) in the methodology?	AM0058 Version 5.0	DR	N/A	OK	OK
B.6.4.40.Is the CO2 emission factor for heat supply in the baseline calculated using equation (3) in the methodology?	AM0058 Version 5.0	DR	N/A	OK	OK
B.6.4.41.Is the emission factor for new users calculated using equation (4) in the methodology?	AM0058 Version 5.0	DR	N/A	OK	OK
B.6.4.42.Are the baseline emissions from the power generation calculated using equation (5) and equation (6) in the methodology?	AM0058 Version 5.0	DR	N/A	OK	OK
B.6.4.43.Are the project emissions calculated using latest applicable version of “Tool To Calculate Project or Leakage CO2 Emissions From Fossil Fuel Combustion” and the	AM0058 Version 5.0	DR	N/A	OK	OK

*DR= Document Review, I= Interview

Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
relevant principles defined in the methodology?					
B.6.4.44. Are the leakage emissions calculated using equation (7) and equation (8) in the methodology?	AM0058 Version 5.0	DR	N/A	OK	OK
B.6.4.45. Are the emission reductions calculated using equation (9) in the methodology?	AM0058 Version 5.0	DR	N/A	OK	OK
B.6.5. Summary of the ex-ante estimates of SDG outcomes					
B.6.5.1. Have the PPs summarized the results of the ex-ante calculation of emission reductions for all years of the crediting period, using the tabular format?	GS-PDD-FORM Ver. 1.1	DR	Yes, tabular format is used to present ER.	OK	OK
B.7. Monitoring Plan					
B.7.1. Data and parameters to be monitored					
B.7.1.1. In the data/parameter tabular formats for monitoring, has the name of each relevant SDG indicator been included?	GS-PDD-FORM Ver. 1.1	DR	Names of SDG indicators have been correctly included	OK	OK
B.7.1.2. In the data/parameter tabular formats for monitoring, has the name of each data/parameter been included?	GS-PDD-FORM Ver. 1.1	DR	Names of parameters have been correctly included	OK	OK
B.7.1.3. Has the unit of each data/parameter been included?	GS-PDD-FORM Ver. 1.1	DR	Units of parameters have been correctly included	OK	OK

*DR= Document Review, I= Interview

Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
B.7.1.4. Has the description of each data/parameter been included?	GS-PDD-FORM Ver. 1.1	DR	Descriptions of parameters have been correctly included	OK	OK
B.7.1.5. Has the source of each data/parameter been included?	GS-PDD-FORM Ver. 1.1	DR	Sources of parameters have been correctly included but please provide photos of the main and spare meters (serial numbers should be well read).	CL-3	OK
B.7.1.6. Where several sources of data/parameters are used, is the choice of data/parameter sources explained and justified?	GS-PDD-FORM Ver. 1.1	DR	N/A	OK	OK
B.7.1.7. Has the applied value of each data/parameter been included?	GS-PDD-FORM Ver. 1.1	DR	Values have been correctly included	OK	OK
B.7.1.8. Has the measurement methods and procedures been included?)	GS-PDD-FORM Ver. 1.1	DR	Methods and procedures have been correctly included	OK	OK
B.7.1.9. Has the PPs included which measurement equipment is used for monitoring?	GS-PDD-FORM Ver. 1.1	DR	Please provide photos of meters installed	CL	
B.7.1.10. Have the PPs included description of calibration procedures for the monitoring equipment including the following?	GS-PDD-FORM Ver. 1.1	DR	See below	OK	OK
B.7.1.10.1. Frequency of the calibration	GS-PDD-FORM Ver. 1.1 EB93 Report Annex 4 §76c	DR	The meters are calibrated on yearly basis. The latest calibration was made on 26/04/2019 . Documents provided to DOE	OK	OK
B.7.1.10.2. Accuracy of the calibration	EB93 Report Annex 4	DR	The calibration will be implemented in accordance with the related standard procedures (IEC-EN 62053-22 and	OK	OK

*DR= Document Review, I= Interview

Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
	§76b		62053-23) by either Turkish Electricity Transmission Corporation (TEIAS) or the provider company in the name of TEIAS.		
B.7.1.10.3. Uncertainty of the calibration	EB93 Report Annex 4 §76b	DR	Uncertainty is in line with legal legislation	OK	OK
B.7.1.10.4. Calibrating agency/person	EB93 Report Annex 4 §76b	DR	The calibration will be implemented in accordance with the related standard procedures (IEC-EN 62053-22 and 62053-23) by either Turkish Electricity Transmission Corporation (TEIAS) or the provider company in the name of TEIAS.	OK	OK
B.7.1.10.5. The relevant national/international standards	EB93 Report Annex 4 §76c	DR	The calibration will be implemented in accordance with the related standard procedures (IEC-EN 62053-22 and 62053-23) by either Turkish Electricity Transmission Corporation (TEIAS) or the provider company in the name of TEIAS.	OK	OK
B.7.1.11. Has the accuracy level of the measurement method included?	EB93 Report Annex 4 §76b	DR	Included	OK	OK
B.7.1.12. Has the responsible person/entity for the measurements included?	GS-PDD-FORM Ver. 1.1	DR	Included	OK	OK
B.7.1.13. Has the interval for the measurements included?	GS-PDD-FORM Ver. 1.1	DR	Included	OK	OK
B.7.1.14. Has the monitoring frequency for each data/parameter been included?	GS-PDD-FORM Ver. 1.1	DR	Included	OK	OK
B.7.1.15. Has the QA/QC procedures of each data/parameter been included?	GS-PDD-FORM	DR	Included	OK	OK

*DR= Document Review, I= Interview

Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
	Ver. 1.1 EB93 Report Annex 4 §76a				
B.7.1.16.Has the purpose of data/parameter been chosen as one of the following for each data/parameter?	GS-PDD-FORM Ver. 1.1	DR	Chosen for each parameter	OK	OK
B.7.1.16.1. Calculation of baseline outcome;	GS-PDD-FORM Ver. 1.1	DR	Chosen for each parameter	OK	OK
B.7.1.16.2. Calculation of project outcome;	GS-PDD-FORM Ver. 1.1	DR	Chosen for each parameter	OK	OK
B.7.1.16.3. Calculation of leakage.	GS-PDD-FORM Ver. 1.1	DR	N/A	OK	OK
B.7.1.17.Have the PPs developed and described the monitoring plan for the proposed project activity in accordance with the selected methodology(ies) and all other applicable rules and requirements?	EB93 Report Annex 4 §75 EB93 Report Annex 5 §117	DR	Monitoring plan is in line with methodology	OK	OK
B.7.1.18.Does the monitoring plan include all data, parameters and related information required by the selected methodology(ies)?	EB93 Report Annex 4 §76 EB93 Report Annex 5 §118a-ii	DR	Monitoring plan is in line with methodology	OK	OK
B.7.1.19.Are the monitoring arrangements described in the monitoring plan feasible within the project design?	EB93 Report Annex 5 §118b	DR	Monitoring arrangements are feasible.	OK	OK

*DR= Document Review, I= Interview

Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
AM0058					
B.7.1.20. Is the heat supplied to final consumers measured at each sub-station as part of the monitoring plan?	AM0058 Version 5.0	DR	N/A	OK	OK
B.7.2. Sampling plan					
B.7.2.1. Are the data and parameters monitored in section B.7.1 of the PDD determined by a sampling approach?	GS-PDD-FORM Ver. 1.1 EB94 Report Annex 2 EB86 Report Annex 4	DR	No, sampling has not been used.	OK	OK
B.7.2.2. If the data and parameters monitored in section B.7.1 of the PDD are to be determined by a sampling approach, has the PP provided a description of the sampling plan in accordance with the recommended outline for a sampling plan in the latest applicable version of "Standard for Sampling and Surveys for CDM Project Activities and Programme of Activities"? (	GS-PDD-FORM Ver. 1.1 EB94 Report Annex 2 §29 §30 §31 §32 §33	DR	N/A	OK	OK
•					
•					
B.7.2.3. If the sampling approach is used by the PPs, does the sampling plan present a reasonable approach for obtaining unbiased, reliable estimates of the variables?	EB86 Report Annex 4 §40a	DR	N/A	OK	OK
B.7.2.4. If the sampling approach is used by the	EB86 Report	DR	N/A	OK	OK

*DR= Document Review, I= Interview

Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
PPs, are the elements of objectives and reliability requirements complete?	Annex 4 §40a-i				
B.7.2.5. If the sampling approach is used by the PPs, do the requirements specified agree with those stated in the appropriate standards?	EB86 Report Annex 4 §40a-i	DR	N/A	OK	OK
B.7.2.6. If the sampling approach is used by the PPs, is the population in the sampling plan clearly defined?	EB86 Report Annex 4 §40b	DR	N/A	OK	OK
B.7.2.7. If the sampling approach is used by the PPs, is the proposed sampling approach clear?	EB86 Report Annex 4 §40c	DR	N/A	OK	OK
B.7.2.8. If the sampling approach is used by the PPs, does the sampling approach comply with the description of the population?	EB86 Report Annex 4 §40c-ii	DR	N/A	OK	OK
B.7.2.9. If the sampling approach is used by the PPs, is the proposed sample size adequate to achieve the minimum confidence/precision requirements?	EB86 Report Annex 4 §40d	DR	N/A	OK	OK
B.7.2.10.If the sampling approach is used by the PPs, is the ex-ante estimate of the population variance needed for the calculation of the sample size adequately justified?	EB86 Report Annex 4 §40d	DR	N/A	OK	OK
B.7.2.11.If the sampling approach is used by the PPs, is the sample representative of the population?	EB86 Report Annex 4 §40e	DR	N/A	OK	OK
B.7.2.12.If the sampling approach is used by the PPs, is it identified how the sampling frame	EB86 Report Annex 4	DR	N/A	OK	OK

*DR= Document Review, I= Interview

Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
would be kept?	§40e-ii				
B.7.2.13.If the sampling approach is used by the PPs, are the methods of data collection clear and unambiguous?	EB86 Report Annex 4 §40f-i	DR	N/A	OK	OK
B.7.2.14.If the sampling approach is used by the PPs, are the procedures for the data measurements defined appropriately and clearly?	EB86 Report Annex 4 §40g	DR	N/A	OK	OK
B.7.2.15.If the sampling approach is used by the PPs, do the procedures for measurements adequately provide for minimizing non-sampling errors?	EB86 Report Annex 4 §40g	DR	N/A	OK	OK
B.7.2.16.If the sampling approach is used by the PPs, is the quality control and assurance strategy adequate?	EB86 Report Annex 4 §40g-i	DR	N/A	OK	OK
B.7.2.17.If the sampling approach is used by the PPs, are the proposed skill sets, qualifications and experience of the personnel to be engaged to conduct sampling adequate?	EB86 Report Annex 4 §40h-i	DR	N/A	OK	OK
B.7.3. Other elements of monitoring plan					
B.7.3.1. Has the operational and management structure been given in the monitoring plan to monitor emission reductions and any leakage generated by the project activity?	GS-PDD-FORM Ver. 1.1 EB93 Report Annex 4 §77a	DR	Responsibilities are stated in the PDD. The Project Owner will be responsible for the overall management of the monitoring procedures including recording, data collection and store. The consultant will calculate emission reductions based on these monitored data and prepare monitoring report.	OK	OK
B.7.3.2. Has the PP clearly indicated the responsibilities and institutional arrangements for data collection and	GS-PDD-FORM Ver. 1.1	DR	Please see above	OK	OK

*DR= Document Review, I= Interview

Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
archiving?	EB93 Report Annex 4 §77c				
C. Duration and crediting period	This section of the PDD is not reviewed as the project is under validation for renewal of crediting period.				
C.1. Duration of project					
C.1.1. Start date of project					
C.1.2. Expected operational lifetime of project	This section of the PDD is not reviewed as the project is under validation for renewal of crediting period.				
C.2. Crediting period of project					
C.2.1. Start date of crediting period					
C.2.1.1. Is the start date of the crediting period of the project activity given in DD/MM/YYYY format?	GS-PDD-FORM Ver. 1.1	DR	Given as "28.04.2010 (date of signature of the works contract)". Same as in first validation report	OK	OK
C.2.1.2. Have the PPs determined only one start date for the crediting period, even in cases of phased implementation of the proposed CDM project activity?	EB93 Report Annex 4 §84	DR	Yes	OK	OK
C.2.1.3. Has the PPs used any qualifications to the start date, such as "expected"?	EB93 Report Annex 4 §85	DR	No	OK	OK
C.2.2. Total length of crediting period					
C.2.2.1. Is the length of the crediting period of the proposed project activity stated in years and months under section C.2.3 of the PDD?	GS-PDD-FORM Ver. 1.1	DR	Stated as 7 years, crediting period dates are correct	OK	OK

*DR= Document Review, I= Interview

Question	Reference	Means of Validation*	Findings, Comments, References and Document Sources	Draft Opinion	Final Opinion
D. Safeguarding principles assessment	This section of the PDD is not reviewed as the project is under validation for renewal of crediting period.				
D.1. Analysis of social, economic and environmental impacts					
E. Local Stakeholder Consultation	This section of the PDD is not reviewed as the project is under validation for renewal of crediting period.				
E.1. Solicitation of comments from stakeholders					
E.2. Summary of comments received	This section of the PDD is not reviewed as the project is under validation for renewal of crediting period.				
E.3. Report on consideration of comments received	This section of the PDD is not reviewed as the project is under validation for renewal of crediting period.				

Question	Reference	Means of validation*	Findings, comments, references and document sources	Draft opinion	Final opinion
Appendix-1 Contact information of project participants					
1. Is the contact information of PPs listed in Section A.4 of PDD provided in Appendix 1?	GS-PDD-FORM Ver. 1.1	DR	Contact info is presented but please provide evidence that contact details of PP have been provided to Mahmudiye village residents just in case of any complaints.	CL-7	OK
Appendix-2 Summary of post registration design changes					
1. If applicable, is the summary of the post registration changes provided?	GS-PDD-FORM Ver. 1.1	DR	N/A	OK	OK

*DR= Document Review, I= Interview

Table 2 – Resolution of Corrective Action, Forward Action and Clarification Requests

Draft Report Clarifications, Forward Action and Corrective Action Requests by Validation Team	Ref. to Checklist Questions in Table-1	Summary of Project Participants' Response	Validation Team Conclusion
CAR-1 In PDD ER value is stated as 29,948 tonnes of CO2eq. Please correct.	B.6.2	The section has been revised accordingly.	Review-1: Ok Closed (The PDD with section B.6.2 revised has been provided).
CL-1 Please include the DOE site visit date to PDD pg 8 and 46.	A.8.5	The date has been included.	Review-1: Ok Closed (The PDD with dates included has been provided).
CL-2 Please state in the PDD section B5 that additionality has been evaluated in first validation and that the information is repeated in this PDD and no new additionality assessment is done.	B.5	B5 has been revised accordingly.	Review-1: Ok Closed (The PDD with section B.5 revised has been provided).
CL-3 Please provide photos of the main and spare meters. (serial numbers should be well read).	B.7.1.5	The photos are provided.	Review-1: Ok Closed (Photos of meters have been provided and serial numbers match with PDD).
CL-4 Please provide SGK employment records (showing the date of the day they have been employed) for 3 plant personnel and subcontractor personnel.	B.6.3.5	The records are available to the DOE.	Review-1: Ok Closed (Social Security records for 3 employees, 1 cleaning subcontractor and 9 security subcontractor personnel have been provided).
CL-5	B.6.3.5	The transfer records for 2020 are available to the DOE.	Review-1:

* CAR= Corrective Action Request, FAR= Forward Action Request, CL= Clarification Request

Draft Report Clarifications, Forward Action and Corrective Action Requests by Validation Team	Ref. to Checklist Questions in Table-1	Summary of Project Participants' Response	Validation Team Conclusion
Please provide transfer records for hazardous waste (oil etc), municipal waste and waste water for 2020 (provided for 2019).		Since the capacity of the cesspool is big, and there are not many employees, wastewater transfer is realized once in two or three years. The latest record belongs to 2018.	Ok Closed (Latest wastewater transfer records provided to DOE. Transfer records for hazardous waste and waste to be recycled is provided to DOE, dated 13/10/2020. Also, photos of waste storage areas is provided and DOE concludes waste management activities are in line with SDGs and legal requirements).
CL-6 a) Please provide the justification for the data/parameters planned not to be monitored during the second crediting period along with the relevant evidence documents. b) Please provide GWO training certificate or training plan for Ersin Kaymak.	B.6.2.1	a) Most of the data data/parameters planned not to be monitored was determined to be monitored "at the end of construction" or "once in first year of operation". <u>Other Pollutants (Noise)</u> According the Noise Report submitted to the DOE, the noise levels are in line with the relevant legal regulations. During the site meeting, it's been clear that there hasn't been any complaint on this. This is the second crediting period of the project activity and it's obvious that villagers are not unhappy on this issue. <u>Soil Condition - Waste Oil (SDI.3)</u> The relevant regulations already regulate this waste to be transferred properly. All documentation/proofs provided during the monitoring periods make it obvious that the actions for this parameter is already a must for the Project Owner to do. b) Since Ersin Kaymak is not working in the turbines, he will not get GWO training certificate. He's working for	Review-1: a) Ok Closed (Air quality, water quality and soil quality-excitation+effect to agriculture were planned to be monitored only during construction. Soil quality-wastes are monitored once for each year of operation and legal requirements mandate the PP to manage waste properly, evidences provided to DOE and discussed in CL-5. Noise emissions have been monitored so far and there were no cases when there is a complaint on noise. Thus it will not be monitored in second crediting period. Biodiversity, Quantitative employment and income generation, Quantitative employment and income generation and Livelihood of the poor was

* CAR= Corrective Action Request, FAR= Forward Action Request, CL= Clarification Request

Draft Report Clarifications, Forward Action and Corrective Action Requests by Validation Team	Ref. to Checklist Questions in Table-1	Summary of Project Participants' Response	Validation Team Conclusion
		the operations support.	planned to be monitored in first 2 years of operation). b) Ok Closed
CL-7 Please provide evidence that contact details of PP have been provided to Mahmudiye village residents just in case of any complaints.	Appendix 1	The letter signed by the mukhtar of Mahmudiye village is available to the DOE. The letter states that contact details of PP is available to Mahmudiye village residents. Review-1: The letter has been provided to the DOE.	Review-1: Please provide the relevant document. Review-2: OK Closed (Signed letter from muhtar is available).
CL-8 Please provide VER purchase agreements as evidence to "VERs give support to the ongoing financial sustainability of the project".	B.5	VER purchase agreements cannot be shared due to confidentiality clause. However, the retirements on the impact registry could be seen through the link below. These retirements are the proof of the sale of the credits: https://registry.goldstandard.org/projects/details/1252	Review-1: Ok Closed (Link provided shows the Retired and issued credits).
CL-9 Please make use of "Tool to assess the validity of the original/current baseline and to update the baseline at the renewal of a crediting period" and please state in PDD.	B.4.1	The PDD has been prepared as taking "Tool to assess the validity of the original/current baseline and to update the baseline at the renewal of a crediting period" into consideration. The sections below have also been updated accordingly: Section B1 (Statement of the Tool), B4 (Establishment and description of baseline scenario), B5 (The technical lifetime of the equipment).	Review-1: Ok Closed (PDD has been updated to refer to the tool).
CL-10	B.6.3.1	Excel file has been revised accordingly.	Review-1:

* CAR= Corrective Action Request, FAR= Forward Action Request, CL= Clarification Request

PROJECT NUMBER: 657



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Please add OM and BM to excel file and please include the reference link in the same.			Ok Closed (Excel file has been updated to include OM and BM).